

Smarty

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Smarty - ##### PHP #####

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##

```
"PHP #####" #####PHP##### PHP
# "HTML #####" ##### PHP # HTML #####
#####
#####

##### PHP #####
## ##### HTML #####/#####
#####/##### ##### HTML #####HTML ##### PHP ##
##### PHP #####

###PHP ##### HTML #####
##### HTML #####
#####

### 1999 ##### PHP ##### C #####
#####
##### PHP ##### PHP #####
##### ## SmartTemplate™ ##### (#: #####)#####
#####PHP ##### if #####
#####
#####
## ##### PHP #####

##### Smarty ##### PHP #####
##### PHP ##### PHP #####
##### "Smarty" #####
##..... (^o^)
```

Part I.

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Chapter 1. Smarty ##?

Smarty # PHP #####php #####
#####

#####web#####

- ### \$headline (###)#\$tagline (#####)#\$author (##) ### \$body (##) #####
Smarty #
- ##### HTML ### ##### ## ## (#####div#####
#####svg ##) #####
- ##### (#####) #####
- #####
- #####

Smarty #####

- ##### include #####
#####
- #####Smarty ##### Smarty #####
- #####

Smarty #####Smarty ##### PHP ##
PHP #####
eAccelerator [http://eaccelerator.net/]# ionCube [http://www.php-
accelerator.co.uk/]# mmCache [http://turck-mmcache.sourceforge.net/] ##### Zend Accelerator [http://
www.zend.com/] ##### PHP #####

Smarty ###

- #####
- ##### PHP #####
- #####
- #####
- ##### ## # #####
- ##### {####} ##### {foo}#{ {foo} }# <!-- {foo} --> #####
- {if}..{elseif}..{else}..{/if} ### PHP ##### {if...} #####
- sections # if's #####
- ##### PHP ##### (#####)#

- #####
- ### #####
- #####
- #####

Chapter 2.

####

Smarty ##PHP 4.0.6 #####

#####

Smarty ##### /libs/ ##### .php ##### #
Smarty

#####Smarty # tarball #####

- *nix #### /usr/local/lib/Smarty-v.e.r/
- Windows ##### c:\webroot\libs\Smarty-v.e.r\

Example 2.1. ### Smarty

```
Smarty-v.e.r/  
  libs/  
    Smarty.class.php  
    Smarty_Compiler.class.php  
    Config_File.class.php  
    debug.tpl  
    internals/*.php  (#####)  
    plugins/*.php   (#####)
```

```
Smarty ##SMARTY_DIR ##### PHP # ## [http://php.net/define] #####Smarty # libs/ ####  
#### ##### ##### Smarty.class.php ##### SMARTY_DIR ##  
#####Smarty ##### ##### Smarty.class.php # include_path [http://php.net/  
ini.core.php#ini.include-path] ##### ## SMARTY_DIR ##  
##### SMARTY_DIR ## ##### / #####
```

```
#####PHP ##### Smarty #####
```

```
<?php  
// #: Smarty # 'S' #####  
require_once('Smarty.class.php');  
$smarty = new Smarty();  
?>
```

```
##### Smarty.class.php #####
```

Example 2.2. ### SMARTY_DIR #####

```

<?php
// *nix ##### (#### 'S' ###)
define('SMARTY_DIR', '/usr/local/lib/Smarty-v.e.r/libs/');

// windows #####
define('SMARTY_DIR', 'c:/webroot/libs/Smarty-v.e.r/libs/');

// *nix#windows#####
// Smarty ##### 'includes/' #####
define('SMARTY_DIR',str_replace("\\","/",getcwd()).'/includes/Smarty-v.e.r/libs/')

require_once(SMARTY_DIR . 'Smarty.class.php');
$smarty = new Smarty();
?>

```

Example 2.3. #####

```

<?php
// *nix ##### (#### 'S' ###)
require_once('/usr/local/lib/Smarty-v.e.r/libs/Smarty.class.php');

// windows #####
require_once('c:/webroot/libs/Smarty-v.e.r/libs/Smarty.class.php');

$smarty = new Smarty();
?>

```

Example 2.4. php.ini #####

```

;;;;;;;;;;;;;;;;;;;;;;;;;
; Paths and Directories ;
;;;;;;;;;;;;;;;;;;;;;;;;;

; *nix: "/path1:/path2"
include_path = "./usr/share/php:/usr/local/lib/Smarty-v.e.r/libs/"

; Windows: "\path1;\path2"
include_path = ".;c:\php\includes;c:\webroot\libs\Smarty-v.e.r\libs\"

```

**Example 2.5. PHP ##### ini_set() [http://php.net/ini-set] ####
#####**

```
<?php
// *nix
ini_set('include_path', ini_get('include_path').PATH_SEPARATOR.'/usr/local/lib/Smarty-2.6.18');

// windows
ini_set('include_path', ini_get('include_path').PATH_SEPARATOR.'c:/webroot/lib/Smarty-2.6.18');
?>
```

Smarty

- Smarty ##### templates/# templates_c/#configs/ ### cache/ #####
#####
- ##### Smarty ##### \$template_dir# \$compile_dir# \$config_dir ###
\$cache_dir #####
- Smarty #####

Smarty #####
guestbook/

Example 2.6. #####

```
/usr/local/lib/Smarty-v.e.r/libs/
Smarty.class.php
Smarty_Compiler.class.php
Config_File.class.php
debug.tpl
internals/*.php
plugins/*.php
```

```
/web/www.example.com/
guestbook/
    templates/
        index.tpl
    templates_c/
    configs/
    cache/
    htdocs/
        index.php
```

web ##### /web/www.example.com/
guestbook/htdocs/ #####Smarty ##### Smarty ##### web #####
(#####)#

#####

```
##### web ##### /htdocs/  
##### index.php #####
```

```
Smarty # $compile_dir # $cache_dir (templates_c/ # cache/) # #####  
## web ##### (windows #####)#
```

Note

```
##### “nobody” ##### “nobody” ##OS X ##### “www” #####  
“www” ## ## Apache #####httpd.conf #####
```

Example 2.7.

```
chown nobody:nobody /web/www.example.com/guestbook/templates_c/  
chmod 770 /web/www.example.com/guestbook/templates_c/
```

```
chown nobody:nobody /web/www.example.com/guestbook/cache/  
chmod 770 /web/www.example.com/guestbook/cache/
```

##

```
chmod 770 ##### “nobody” ##### “nobody” #####/#####  
##### (#####) ##### 775 #####
```

```
###Smarty ##### index.tpl ##### $template_dir #####
```

Example 2.8. /web/www.example.com/guestbook/templates/index.tpl

```
{* Smarty *}
```

```
#####{$name}##### Smarty #!
```

#####

```
{* Smarty *} #####  
#####  
#####
```

```
###index.php ##### Smarty ##### (assign())# index.tpl ###  
### (display()) #####
```

Example 2.9. /web/www.example.com/docs/guestbook/index.php ###

```

<?php

require_once(SMARTY_DIR . 'Smarty.class.php');

$smarty = new Smarty();

$smarty->template_dir = '/web/www.example.com/guestbook/templates/';
$smarty->compile_dir = '/web/www.example.com/guestbook/templates_c/';
$smarty->config_dir = '/web/www.example.com/guestbook/configs/';
$smarty->cache_dir = '/web/www.example.com/guestbook/cache/';

$smarty->assign('name', 'Ned');

/** #####
// $smarty->debugging = true;

$smarty->display('index.tpl');

?>

```

##

```

#####Smarty##### ## /web/www.example.com/guestbook/
# PHP # include_path #####(###)#####
##### Smarty #####

###web ##### index.php ##### "#####Ned##### Smarty #!" #####

### Smarty #####

```

#####

```

#####

Smarty ##### [http://php.net/ref.classobj] ##### Smarty #####
#####

#####/php/includes/guestbook/ #####setup.php ##### /
php/includes # include_path ### #####

```

Example 2.10. /php/includes/guestbook/setup.php

```
<?php

// Smarty#####
require('Smarty.class.php');

// setup.php#####
// #####:
// require('guestbook/guestbook.lib.php');

class Smarty_GuestBook extends Smarty {

    function Smarty_GuestBook()
    {

        // #####
        // #####

        $this->Smarty();

        $this->template_dir = '/web/www.example.com/guestbook/templates/';
        $this->compile_dir  = '/web/www.example.com/guestbook/templates_c/';
        $this->config_dir   = '/web/www.example.com/guestbook/configs/';
        $this->cache_dir    = '/web/www.example.com/guestbook/cache/';

        $this->caching = true;
        $this->assign('app_name', 'Guest Book');
    }
}
?>

###index.php ##### setup.php #####
```

Example 2.11. /web/www.example.com/guestbook/htdocs/index.php

```
<?php
require('guestbook/setup.php');

$smarty = new Smarty_GuestBook();

$smarty->assign('name', 'Ned');

$smarty->display('index.tpl');
?>
```

```
##### Smarty_GuestBook() #####Smarty #####
#####
```

Part II. ##### Smarty

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.total	93
{strip}	93
8. #####	95
{assign}	95
{counter}	96
{cycle}	97
{debug}	98
{eval}	98
{fetch}	100
{html_checkboxes}	101
{html_image}	104
{html_options}	105
{html_radios}	109
{html_select_date}	112
{html_select_time}	116
{html_table}	119
{mailto}	122
{math}	123
{popup}	126
{popup_init}	129
{textformat}	130
9. #####	133
10. #####	134

Chapter 3.

{ # } #####

Smarty ##### Smarty ##### ###
#####

####

#####

{* ##### *}

Smarty ##### <!-- HTML ##### --> #####
;-)

```

{* ### Smarty ##### *}
<html>                                     #####
<head>
<title>{$title}</title>
Example 3.1. #####
<body>

{* ## Smarty ##### *}
<!-- HTML ##### -->

{* #####
   Smarty #####
   #####
*}

{*****
#####
  @ author:          bg@example.com
  @ maintainer:      support@example.com
  @ para:            var that sets block style
  @ css:             the style output
*****}

{* ##### *}
{include file='header.tpl'}

{* #####: ## $includeFile ### foo.php ##### *}
<!-- ##### -->
{include file=$includeFile}

{* ## <select> ##### *}
{*
<select name="company">
  {html_options options=$vals selected=$selected_id}
</select>
*}

<!-- ##### -->
{* $affiliate|upper *}

{* ##### *}
{*
<select name="company">
  {* <option value="0">-- none -- </option> *}
  {html_options options=$vals selected=$selected_id}
</select>
*}

{* ##### cvs ##### 36 #####
. cvs #####..... *}
{* &#36;Id: Exp &#36; *}
{* $Id: *}
</body>
</html>

```

##

```
##### $ ##### PHP ### [http://php.net/language.variables] #####
#####
```

```
Config ##### # ##### $smarty.config #####
```

Example 3.2.

```
{ $foo } <-- ##### (#####) #####
{ $foo[4] } <-- 0#####5#####
{ $foo.bar } <-- "bar"#####PHP # $foo['bar'] #####
{ $foo.$bar } <-- #####PHP # PHP $foo[$bar] #####
{ $foo->bar } <-- ##### "bar"#####
{ $foo->bar() } <-- #####"bar"#####
{ #foo# } <-- config#####"foo"#####
{ $smarty.config.foo } <-- {#foo#}#####
{ $foo[bar] } <-- section#####{section}#####
{ assign var=foo value='baa' } { $foo } <-- "baa"#####{assign}#####
```

```
#####
```

```
{ $foo.bar.baz }
{ $foo.$bar.$baz }
{ $foo[4].baz }
{ $foo[4].$baz }
{ $foo.bar.baz[4] }
{ $foo->bar($baz,2,$bar) } <-- #####
{ "foo" } <-- #####
```

```
{ * ##### "SERVER_NAME" ##### ( $_SERVER['SERVER_NAME'] ) * }
{ $smarty.server.SERVER_NAME }
```

```
$_GET # $_SESSION ##### $smarty #####
```

```
$smarty# config ### { assign } ### assign() #####
```

##

```
#### Smarty #### ## ##### {funcname attr1='vall'
attr2='val2'} ##### ## #####
```

Example 3.3. #####

```
{config_load file='colors.conf'}

{include file='header.tpl'}
{insert file='banner_ads.tpl' title='#### Smarty'}

{if $logged_in}
    #####<font color="{#fontColor#}">{$name}!</font>
{else}
    ###{$name}
{/if}

{include file='footer.tpl' ad=$random_id}
```

- ##### # ##### #####
 - ##### Smarty # ### ##### {if}# {section} ### {strip} #####
#####
 - ##### ### #### ##### ##### {html_options} #
{popup} #####
- register_function() #####

##

```
##### ## ### #####Smarty ##### HTML #####  
#####  
  
#####boolean # (TRUE #### FALSE) ##### true# on#yes ####  
false#off# no #####
```

Example 3.4. #####

```

{include file='header.tpl'}

{include file='header.tpl' attrib_name='attrib value'}

{include file=$includeFile}

{include file=#includeFile# title='#### Smarty'}

{html_select_date display_days=yes}

{mailto address='smarty@example.com'}

<select name='company_id'>
  {html_options options=$companies selected=$company_id}
</select>

```

#####

- Smarty # "#####" ##### # #####_#####[]##### ####
[http://php.net/language.variables]
- #####.##### \$object>reference##### `#####` #####
###
- ### #####

Example 3.5. ####

```

{func var="test $foo test"} <-- $foo #####
{func var="test $foo_bar test"} <-- $foo_bar #####
{func var="test $foo[0] test"} <-- $foo[0] #####
{func var="test $foo[bar] test"} <-- $foo[bar] #####
{func var="test $foo.bar test"} <-- $foo (not $foo.bar) #####
{func var="test ` $foo.bar ` test"} <-- $foo.bar #####
{func var="test ` $foo.bar ` test"|escape} <-- #####

```

Example 3.6. ###

```

{* $tpl_name ##### *}
{include file="subdir/$tpl_name.tpl"}

{* $tpl_name ##### *}
{include file='subdir/$tpl_name.tpl'} <--

{* . ##### *}
{cycle values="one,two,`$smarty.config.myval`"}

{* php ##### $module['contact'].'.tpl' #####
{include file="`$module.contact`.tpl"}

{* php ##### $module[$view'].'.tpl' #####
{include file="`$module.$view`.tpl"}

escape #####

```

###

#####

Example 3.7. #####

```

{$foo+1}

{$foo*$bar}

{* ##### *}

{$foo->bar-$bar[1]*$baz->foo->bar()-3*7}

{if ($foo+$bar.test%$baz*134232+10+$b+10)}

{$foo|truncate:"`$fooTruncCount/$barTruncFactor-1`"}

{assign var="foo" value="`$foo+$bar`"}

##### {math} ##### {eval} #####

```

Smarty #####

```

###Smarty ##### Javascript # CSS ###
##### Smarty ##### { # } #####

```

```
#####Javascript # CSS ##### HTML #####  
#####
```

```
##### {literal}..{/literal} ##### HTML #####  
{ldelim}#{rdelim}#### {$smarty.ldelim} #####
```

```
### Smarty # $left_delimiter### $right_delimiter #####
```

Example 3.8. #####

```
<?php  
  
$smarty->left_delimiter = '<!--{';  
$smarty->right_delimiter = '}->';  
  
$smarty->assign('foo', 'bar');  
$smarty->assign('name', 'Albert');  
$smarty->display('example.tpl');  
  
?>
```

```
#####
```

```
Welcome <!--{$name}-> to Smarty  
<script language="javascript">  
  var foo = <!--{$foo}->;  
  function dosomething() {  
    alert("foo is " + foo);  
  }  
  dosomething();  
</script>
```

Chapter 4.

Smarty ##### (#####)#

Smarty ##### ## #### ## #### ##### ##### ##### #
#####

Example 4.1.

```
{ $Name }
```

```
{ $product.part_no } <b>{ $product.description }</b>
```

```
{ $Contacts[row].Phone }
```

```
<body bgcolor="{ #bgcolor# }">
```

###

Smarty #####

PHP

PHP ## ##### (php ####) ##### (\$) ##### {assign} #####
#####

Example 4.2.

php script

```
<?php
$smarty = new Smarty();

$smarty->assign('firstname', 'Doug');
$smarty->assign('lastname', 'Evans');
$smarty->assign('meetingPlace', 'New York');

$smarty->display('index.tpl');

?>
```

###index.tpl #####

```
Hello {$firstname} {$lastname}, glad to see you can make it.
<br />
{* ##### *}
This weeks meeting is in {$meetingplace}.
{* ##### *}
This weeks meeting is in {$meetingPlace}.
```

#####

```
Hello Doug Evans, glad to see you can make it.
<br />
This weeks meeting is in .
This weeks meeting is in New York.
```

####

PHP #####' (####) #####

Example 4.3. #####

```
<?php
$smarty->assign('Contacts',
    array('fax' => '555-222-9876',
          'email' => 'zaphod@slartibartfast.example.com',
          'phone' => array('home' => '555-444-3333',
                          'cell' => '555-111-1234')
    )
);
$smarty->display('index.tpl');
?>
```

```
###index.tpl#####
```

```
{ $Contacts.fax }<br />
{ $Contacts.email }<br />
{ * you can print arrays of arrays as well *}
{ $Contacts.phone.home }<br />
{ $Contacts.phone.cell }<br />
```

```
#####
```

```
555-222-9876<br />
zaphod@slartibartfast.example.com<br />
555-444-3333<br />
555-111-1234<br />
```

#####

```
##### PHP #####
```

Example 4.4. #####

```
<?php
$smarty->assign('Contacts', array(
    '555-222-9876',
    'zaphod@slartibartfast.example.com',
    array('555-444-3333',
        '555-111-1234')
    ));
$smarty->display('index.tpl');
?>
```

```
###index.tpl #####
```

```
{ $Contacts[0] }<br />
{ $Contacts[1] }<br />
{ * you can print arrays of arrays as well *}
{ $Contacts[2][0] }<br />
{ $Contacts[2][1] }<br />
```

```
#####
```

```
555-222-9876<br />
zaphod@slartibartfast.example.com<br />
555-444-3333<br />
555-111-1234<br />
```

#####

```
PHP ##### ##### #####-> #####
```

Example 4.5. #####

```
name: {$person->name}<br />
email: {$person->email}<br />
```

#####

```
name: Zaphod Beeblebrox<br />
email: zaphod@slartibartfast.example.com<br />
```

#####

```
##### (##) ##### Smarty ## $smarty.config ##### ##
#####
```

Example 4.6: #####

```
pageTitle = "This is mine"
bodyBgColor = '#eeeeee'
tableBorderSize = 3
tableBgColor = "#bbbbbb"
rowBgColor = "#cccccc"
```

```
#hash# #####
```

```
{config_load file='foo.conf'}
<html>
<title>{#pageTitle#}</title>
<body bgcolor="{#bodyBgColor#}">
<table border="{#tableBorderSize#}" bgcolor="{#tableBgColor#}">
<tr bgcolor="{#rowBgColor#}">
    <td>First</td>
    <td>Last</td>
    <td>Address</td>
</tr>
</table>
</body>
</html>
```

```
$smarty.config #####
```

```
{config_load file='foo.conf'}
<html>
<title>{$smarty.config.pageTitle}</title>
<body bgcolor="{ $smarty.config.bodyBgColor}">
<table border="{ $smarty.config.tableBorderSize}" bgcolor="{ $smarty.config.tableBgC">
<tr bgcolor="{ $smarty.config.rowBgColor}">
    <td>First</td>
    <td>Last</td>
    <td>Address</td>
</tr>
</table>
</body>
</html>
```

```
#####
```

```
<html>
<title>This is mine</title>
<body bgcolor="#eeeeee">
<table border="3" bgcolor="#bbbbbb">
<tr bgcolor="#cccccc">
    <td>First</td>
    <td>Last</td>
    <td>Address</td>
</tr>
</table>
</body>
</html>
```

```
##### {config_load} #####
```

```
## ## $smarty #####
```

{Smarty}

```
PHP ##### {Smarty} #####
```

#####

```
$_GET#$_POST#$_COOKIE#$_SERVER#$_ENV ### $_SESSION($request_vars_order #
## $request_use_auto_globals #####) #### [http://php.net/reserved.variables] #
#####
```

Example 4.7.

```
{* ($_GET) http://www.example.com/index.php?page=foo ## page ##### *}
{Smarty.get.page}
```

```
{* ($_POST['page']) #####"page"##### *}
{Smarty.post.page}
```

```
{* #####"username"##### ($_COOKIE['username']) *}
{Smarty.cookies.username}
```

```
{* #####"SERVER_NAME"##### ($_SERVER['SERVER_NAME']) *}
{Smarty.server.SERVER_NAME}
```

```
{* #####"PATH"##### *}
{Smarty.env.PATH}
```

```
{* php#####"id"##### ($_SESSION['id']) *}
{Smarty.session.id}
```

```
{* get/post/cookies/server/env#####"username"##### *}
{Smarty.request.username}
```

Note

```
#####{SCRIPT_NAME} #####
{Smarty.server.SCRIPT_NAME} #####
```

```
<a href="{SCRIPT_NAME}?page=smarty">click me</a>
<a href="{Smarty.server.SCRIPT_NAME}?page=smarty">click me</a>
```


{Smarty.now}

```
### ##### [http://php.net/function.time] ##### {Smarty.now} ##### #####
(1970#1#1#) ##### ##### date_format ##### time()
[http://php.net/function.time] ##### #####
## $smarty.now #####
```

```
{* date_format ##### *}
{Smarty.now|date_format:'%Y-%m-%d %H:%M:%S'}
```

{Smarty.const}

```
PHP #####smarty ## #####
```

```
<?php
// php #####
define('MY_CONST_VAL', 'CHERRIES');
?>
```

```
#####
```

```
{Smarty.const.MY_CONST_VAL}
```

{Smarty.capture}

```
##### {capture}..{/capture} ##### {Smarty.capture} ###
##### {capture} #####
```

{Smarty.config}

```
{Smarty.config} ##### config ## ##### {Smarty.config.foo} #
{#foo#} ##### {config_load} #####
```

{Smarty.section}#{Smarty.foreach}

```
{Smarty.section} ##### {Smarty.foreach} ##### {section} ### {foreach} #####
##### .first#.index #####
```

{Smarty.template}

```
##### ## container.tpl ##### banner.tpl ###
{Smarty.template} #####
```

```
<b>Main container is {$smarty.template}</b>
{include file='banner.tpl'}
```

```
#####
```

```
<b>Main page is container.tpl</b>
banner.tpl
```

{Smarty.version}

```
##### Smarty #####
```

```
<div id="footer">Powered by Smarty {Smarty.version}</div>
```

{Smarty.ldelim}#{Smarty.rdelim}

```
##### {ldelim}#{rdelim} #####
```

```
assigned variables ### config variables #####
```

Chapter 5.

```
##### ## # ##### ##### | (###) ##### #####  
#####: (###) ##### PHP #  
##### (#####)#####
```

Example 5.1.

```
{* ##### *}  
{ $title|upper}  
  
{* ##### *}  
{ $title|truncate:40:'...'}  
  
{* ##### *}  
{html_table loop=$myvar|upper}  
  
{* ##### *}  
{html_table loop=$myvar|truncate:40:'...'}  
  
{* ##### *}  
{ 'foobar'|upper}  
  
{* ##### date_format ### *}  
{ $smarty.now|date_format:"%Y/%m/%d"}  
  
{* ##### *}  
{mailto|upper address='smarty@example.com'}  
  
{* php # str_repeat ### *}  
{ '='|str_repeat:80}  
  
{* php # count *}  
{ $myArray|@count}  
  
{* php # shuffle ##### ip ##### *}  
{ $smarty.server.SERVER_ADDR|shuffle}  
  
(* ##### *}  
<select name="name_id">  
{html_options output=$myArray|upper|truncate:20}  
</select>  
  
• ##### @ #####  
##
```

#

```
{ $articleTitle | @count } - #### ## $articleTitle #####php # count()
[http://php.net/count] #####
```

- ##### \$plugins_dir ##### register_modifier() #####PHP ##
Smarty
- ##### PHP #####PHP#####
- ##### \$foo # {"%2.f" | sprintf:\$foo} #####
Smarty ##### { \$foo | string_format:"%2.f" }
- ##### \$security ##### PHP ### \$security_settings ###
MODIFIER_FUNCS ### #####

```
register_modifier()# ##### ## ## ## ## Smarty ## ## ## ## ##
```

capitalize

```
##### PHP # ucwords() [http://php.net/ucwords] #####
```

#####	#	##	####	##
1	boolean	No	FALSE	##### #####

#####

Example 5.2. capitalize

```
<?php
$smarty->assign('articleTitle', 'next x-men film, x3, delayed. ');
?>
```

#####

```
{ $articleTitle }
{ $articleTitle | capitalize }
{ $articleTitle | capitalize : true }
```

##

```
next x-men film, x3, delayed.
Next X-Men Film, x3, Delayed.
Next X-Men Film, X3, Delayed.
```

lower ### upper #####

cat

#####

#####	#	##	#####	##
1	string	No	<i>empty</i>	##### #

#####

Example 5.3. cat

```
<?php
$smarty->assign('articleTitle', "Psychics predict world didn't end");
?>
```

#####

```
{ $articleTitle|cat:' yesterday.' }
```

##

Psychics predict world didn't end yesterday.

count_characters

#####

#####	#	##	#####	##
1	boolean	No	FALSE	##### #####

Example 5.4. count_characters

```
<?php
$smarty->assign('articleTitle', 'Cold Wave Linked to Temperatures. ');
?>
```

#####

```
{ $articleTitle }
{ $articleTitle | count_characters }
{ $articleTitle | count_characters : true }
```

##

```
Cold Wave Linked to Temperatures.
29
33
```

```
count_words# count_sentences ### count_paragraphs #####
```

count_paragraphs

#####

Example 5.5. count_paragraphs

```
<?php
$smarty->assign('articleTitle',
               "War Dims Hope for Peace. Child's Death Ruins Couple's Holiday.\n
               Man is Fatally Slain. Death Causes Loneliness, Feeling of Isolati
               );
?>
```

#####

```
{ $articleTitle }
{ $articleTitle | count_paragraphs }
```

##

War Dims Hope for Peace. Child's Death Ruins Couple's Holiday.

Man is Fatally Slain. Death Causes Loneliness, Feeling of Isolation.
2

count_characters# count_sentences ### count_words. #####

count_sentences

#####

Example 5.6. count_sentences

```
<?php
$smarty->assign('articleTitle',
               'Two Soviet Ships Collide - One Dies.
               Enraged Cow Injures Farmer with Axe.'
               );
?>
```

#####

```
{ $articleTitle }
{ $articleTitle | count_sentences }
```

##

```
Two Soviet Ships Collide - One Dies. Enraged Cow Injures Farmer with Axe.
2
```

```
count_characters# count_paragraphs ### count_words. #####
```

count_words

#####

Example 5.7. count_words

```
<?php
$smarty->assign('articleTitle', 'Dealers Will Hear Car Talk at Noon. ');
?>
```

#####

```
{ $articleTitle }
{ $articleTitle | count_words }
```

##

```
Dealers Will Hear Car Talk at Noon.
7
```

```
count_characters# count_paragraphs ### count_sentences. #####
```

date_format

```
##### strftime() [http://php.net/strftime] ##### Unix ##### [http://
php.net/function.time] # MySQL ##### (PHP # strtotime() [http://php.net/
strtotime] #####) ##### date_format #####
##### date_format #####
```

#####	#	##	#####	##
1	string	No	%b %e, %Y	#####
2	string	No	n/a	##### #

Note

```
Smarty-2.6.10 ###date_format ##### ## (MySQL #####) Unix
#####
```

```
Smarty-2.6.10 #####PHP # strtotime() ##### (YYYYMMDD #####) ## #####
##### (strtotime() #####)#
```

```
#####mysql #####14## ("YYYYMMDDHHMMSS") ### mysql ###
##### unix #####
```

#####

```
date_format ##### PHP # strftime() [http://php.net/strftime] #####PHP ###
##### strftime() [http://php.net/strftime] ##### #
##### man ##### Windows #####%D, %e, %h, %l,
%n, %r, %R, %t, %T #####
```

Example 5.8. date_format

```
<?php

$config['date'] = '%I:%M %p';
$config['time'] = '%H:%M:%S';
$smarty->assign('config', $config);
$smarty->assign('yesterday', strtotime('-1 day'));

?>
```

\$smarty.now

```
{ $smarty.now | date_format }
{ $smarty.now | date_format: "%D" }
{ $smarty.now | date_format: $config.date }
{ $yesterday | date_format }
{ $yesterday | date_format: "%A, %B %e, %Y" }
{ $yesterday | date_format: $config.time }
```

##

```
Jan 1, 2022
01/01/22
02:33 pm
Dec 31, 2021
Monday, December 1, 2021
14:33:00
```

date_format

- %a - #####
- %A - #####
- %b - #####

- %B - #####
- %c - #####
- %C - ##(##100#####00##99)
- %d - 10#####(01##31)
- %D - %m/%d/%y###
- %e - #####10#####1#####('1'##'31')
- %g - ##### [00,99]
- %G - ## [0000,9999]
- %h - %b####
- %H - ###24#####10###(00##23##)
- %I - ###12#####10###(01##12#####)
- %j - #####10##### (001##366)
- %k - 24##### (0 ## 23#####)
- %l - 12##### (1 ## 12#####)
- %m - ##10##### (01##12)
- %M - ##10#####
- %n - ####
- %p - ##### `am' ### `pm' #####
- %r - a.m.###p.m.#####
- %R - 24#####
- %S - 10#####
- %t - ####
- %T - #####%H:%M:%S####
- %u - 10#####[1,7]####1#####
- %U - ##### 10 #####
- %V - ISO 8601:1988#####10##### 01##53##### 1##### ##4#####
- %w - ###10#####0#####
- %W - #####10#####
- %x - #####
- %X - #####
- %y - #####10#####(00##99#####)

- %Y - #####10####
- %Z - #####
- %% - #####`%`

```
$smarty.now# strftime() [http://php.net/strftime]# {html_select_date} ### ##### #
#####
```

default

```
#####
```

Note

```
error_reporting(E_ALL) [http://php.net/error_reporting] #####
#####null #####
```

#####	#	##	####	##
1	string	No	<i>empty</i>	##### #####

Example 5.9. default

```
<?php

$smarty->assign('articleTitle', 'Dealers Will Hear Car Talk at Noon. ');
$smarty->assign('email', '');

?>
```

```
#####
```

```
{ $articleTitle|default:'no title' }
{ $myTitle|default:'no title' }
{ $email|default:'No email address available' }
```

```
##
```

```
Dealers Will Hear Car Talk at Noon.
no title
No email address available
```

#####

#####

escape

escape ##### html#url##### hex#hexentity# javascript
mail ##### html

#####	#	##	####	#####	##
1	string	No	html, htmlall, url, urlpathinfo, quotes,hex, hexentity, javascript, mail	html	##### ###
2	string	No	ISO-8859-1, UTF-8 ### htmlentities() [http://php.net/ htmlentities] ##### #####	ISO-8859-1	htmlentities() # ##### ###

Example 5.10. escape

```

<?php

$smarty->assign('articleTitle',
               "'Stiff Opposition Expected to Casketless Funeral Plan'"
               );
$smarty->assign('EmailAddress', 'smarty@example.com');

?>

escape #####

{$articleTitle}
'Stiff Opposition Expected to Casketless Funeral Plan'

{$articleTitle|escape}
&#039;Stiff Opposition Expected to Casketless Funeral Plan&#039;;

{$articleTitle|escape:'html'}    { * & " ' < > ##### * }
&#039;Stiff Opposition Expected to Casketless Funeral Plan&#039;;

{$articleTitle|escape:'htmlall'} { * ### html ##### * }
&#039;Stiff Opposition Expected to Casketless Funeral Plan&#039;;

<a href="?title={$articleTitle|escape:'url'}">click here</a>
<a
href="?title=%27Stiff%20Opposition%20Expected%20to%20Casketless%20Funeral%20Plan%2
{$articleTitle|escape:'quotes'}
\'Stiff Opposition Expected to Casketless Funeral\'

<a href="mailto:{$EmailAddress|escape:"hex"}">{$EmailAddress|escape:"hexentity"}</
{$EmailAddress|escape:'mail'}    { * email ##### * }
<a href="mailto:%62%6f%..snip..%65%74">&#x62;&#x66;&#x62..snip..&#x65;&#x74;</a>

{'mail@example.com'|escape:'mail'}
smarty [AT] example [DOT] com

```

Example 5.11. ###

PHP ##### \$security #####

```
{* "rewind" ##### *}
<a href="{ $SCRIPT_NAME }?page=foo&rewind={ $smarty.server.REQUEST_URI | urlencode }">cl
```

email ##### {mailto}

```
{* email ##### *}
<a href="mailto:{ $EmailAddress | escape: 'hex' }">{ $EmailAddress | escape: 'mail' }</a>
```

Smarty ##### {mailto} ### E-mail #####

indent

```
##### 4 ### #####
##### " \t" #####
```

#####	#	##	#####	##
1	integer	No	4	#####
2	string	No	(##### 1 ##)	#####

Example 5.12. indent

```
<?php
$smarty->assign('articleTitle',
               'NJ judge to rule on nude beach.
               Sun or rain expected today, dark tonight.
               Statistics show that teen pregnancy drops off significantly after 25.'
               );
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|indent }
{ $articleTitle|indent:10 }
{ $articleTitle|indent:1:"\t" }
```

##

```
NJ judge to rule on nude beach.
Sun or rain expected today, dark tonight.
Statistics show that teen pregnancy drops off significantly after 25.
```

```
    NJ judge to rule on nude beach.
    Sun or rain expected today, dark tonight.
    Statistics show that teen pregnancy drops off significantly after 25.
```

```
        NJ judge to rule on nude beach.
        Sun or rain expected today, dark tonight.
        Statistics show that teen pregnancy drops off significantly after 25.
```

```
            NJ judge to rule on nude beach.
            Sun or rain expected today, dark tonight.
            Statistics show that teen pregnancy drops off significantly after 25.
```

```
strip# wordwrap ### specify #####
```

lower

```
#####PHP # strtolower() [http://php.net/strtolower] #####
```

Example 5.13. lower

```
<?php
$smarty->assign('articleTitle', 'Two Convicts Evade Noose, Jury Hung. ');
?>
```

```
#####
```

```
{ $articleTitle }
{ $articleTitle|lower }
```

```
##
```

```
Two Convicts Evade Noose, Jury Hung.
two convicts evade noose, jury hung.
```

```
upper ### capitalize #####
```

nl2br

```
##### "\n" # html # <br /> ##### PHP # nl2br() [http://php.net/nl2br] #
#####
```

Example 5.14. nl2br

```
<?php
$smarty->assign('articleTitle',
               "Sun or rain expected\ntoday, dark tonight"
               );
?>
```

#####

```
{ $articleTitle|nl2br }
```

##

```
Sun or rain expected<br />today, dark tonight
```

```
word_wrap# count_paragraphs ### count_sentences #####
```

regex_replace

```
#####PHP##### preg_replace() [http://php.net/preg_replace] #
#####
```

#####	#	##	#####	##
1	string	Yes	<i>n/a</i>	#####
2	string	Yes	<i>n/a</i>	#####

Example 5.15. regex_replace

```
<?php
$smarty->assign('articleTitle', "Infertility unlikely to\nbe passed on, experts sa
?>
```

#####

```
{* ##### *}
{$articleTitle}
{$articleTitle|regex_replace:"/[\r\t\n]/" : " "}
```

##

```
Infertility unlikely to
be passed on, experts say.
Infertility unlikely to be passed on, experts say.
```

replace ### escape #####

replace#####PHP # str_replace() [http://php.net/str_replace] #####

#####	#	##	#####	##
1	string	Yes	<i>n/a</i>	#####
2	string	Yes	<i>n/a</i>	#####

#####

Example 5.16. replace

```
<?php
$smarty->assign('articleTitle', "Child's Stool Great for Use in Garden.");
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|replace:'Garden':'Vineyard' }
{ $articleTitle|replace:' ':' ' }
```

##

Child's Stool Great for Use in Garden.
 Child's Stool Great for Use in Vineyard.
 Child's Stool Great for Use in Garden.

regex_replace ### escape #####

specify

specify #####(#####) #####

#####	#	##	#####	##
1	string	No	one space	##### ###

Example 5.17. spacyfy

```
<?php
$smarty->assign('articleTitle', 'Something Went Wrong in Jet Crash, Experts Say.')
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|spacyfy }
{ $articleTitle|spacyfy:"^" }
```

##

```
Something Went Wrong in Jet Crash, Experts Say.
S o m e t h i n g   W . . . . s n i p . . . . s h ,   E x p e r t s   S a y .
S ^ ^ o ^ ^ m ^ ^ e ^ ^ t ^ ^ h ^ ^ i ^ ^ n ^ ^ g ^ ^ . . . . s n i p . . . . ^ ^ e ^ ^ r ^ ^ t ^ ^ s ^ ^ ^ ^ S ^ ^ a ^ ^ y ^ ^ .
```

wordwrap ### nl2br #####

string_format

```
#####10##### sprintf() [http://php.net/sprintf] #####
#####
```

#####	#	##	#####	##
1	string	Yes	n/a	#####(sprintf)

Example 5.18. string_format

```
<?php
$smarty->assign('number', 23.5787446);
?>
```

```
#####
```

```
{ $number }
{ $number | string_format: "%.2f" }
{ $number | string_format: "%d" }
```

```
##
```

```
23.5787446
23.58
24
```

```
date_format #####
```

strip

```
#####
```

Note

```
##### {strip} #####
```

Example 5.19. strip

```
<?php
$smarty->assign('articleTitle', "Grandmother of\neight makes\t      hole in one.");
$smarty->display('index.tpl');
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|strip }
{ $articleTitle|strip:'&nbsp;' }
```

##

```
Grandmother of
eight makes      hole in one.
Grandmother of eight makes hole in one.
Grandmother&nbsp;of&nbsp;eight&nbsp;makes&nbsp;hole&nbsp;in&nbsp;one.
```

```
{strip} ### truncate #####
```

strip_tags

< # >

#####	#	##	#####	##
1	bool	No	TRUE	### '###'##### ###

Example 5.20. strip_tags

```
<?php

$smarty->assign('articleTitle',
    "Blind Woman Gets <font face=\"helvetica\">New
Kidney</font> from Dad she Hasn't Seen in <b>years</b>."
    );

?>

#####

{$articleTitle}
{$articleTitle|strip_tags} { * same as {$articleTitle|strip_tags:true} *}
{$articleTitle|strip_tags:false}
```

##

```
Blind Woman Gets <font face="helvetica">New Kidney</font> from Dad she Hasn't Seen
Blind Woman Gets  New Kidney  from Dad she Hasn't Seen in  years .
Blind Woman Gets New Kidney from Dad she Hasn't Seen in years.
```

```
replace ### regex_replace #####
```

truncate

```
#####(#####80)#####
#####truncate#####
TRUE #####
```

#####	#	##	#####	##
1	integer	No	80	#####
2	string	No	...	##### ##### ##### ##
3	boolean	No	FALSE	##### (FALSE)##### #####(TRUE)

#####

#####	#	##	#####	##
4	boolean	No	FALSE	##### (FALSE)# ##### ###(TRUE)##### #TRUE#### ##### #####

Example 5.21. truncate

```
<?php
$smarty->assign('articleTitle', 'Two Sisters Reunite after Eighteen Years at Check
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|truncate }
{ $articleTitle|truncate:30 }
{ $articleTitle|truncate:30:"" }
{ $articleTitle|truncate:30:"---" }
{ $articleTitle|truncate:30:"":true }
{ $articleTitle|truncate:30:"...":true }
{ $articleTitle|truncate:30:'..':true:true }
```

##

```
Two Sisters Reunite after Eighteen Years at Checkout Counter.
Two Sisters Reunite after Eighteen Years at Checkout Counter.
Two Sisters Reunite after...
Two Sisters Reunite after
Two Sisters Reunite after---
Two Sisters Reunite after Eigh
Two Sisters Reunite after E...
Two Sisters Re..ckout Counter.
```

upper

```
#####PHP # strtoupper() [http://php.net/strtoupper] #####
```

Example 5.22. upper

```
<?php
$smarty->assign('articleTitle', "If Strike isn't Settled Quickly it may Last a While.");
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|upper }
```

##

```
If Strike isn't Settled Quickly it may Last a While.
IF STRIKE ISN'T SETTLED QUICKLY IT MAY LAST A WHILE.
```

lower ### capitalize #####

wordwrap

```
#####80## #####
# "\n"## #####wordwrap ##### TRUE ###
## ## PHP # wordwrap( ) [http://php.net/wordwrap] #####
```

#####	#	##	#####	##
1	integer	No	80	#####
2	string	No	\n	#####
3	boolean	No	FALSE	##### #(FALSE)# ##### #####(TRUE)

Example 5.23. wordwrap

```
<?php
$smarty->assign('articleTitle',
               "Blind woman gets new kidney from dad she hasn't seen in years."
               );
?>
```

#####

```
{ $articleTitle }
{ $articleTitle|wordwrap:30 }
{ $articleTitle|wordwrap:20 }
{ $articleTitle|wordwrap:30:"<br />\n" }
{ $articleTitle|wordwrap:26:"\n":true }
```

##

Blind woman gets new kidney from dad she hasn't seen in years.

Blind woman gets new kidney
from dad she hasn't seen in
years.

Blind woman gets new
kidney from dad she
hasn't seen in
years.

Blind woman gets new kidney

from dad she hasn't seen in

years.

Blind woman gets new kidn
ey from dad she hasn't se
en in years.

nl2br ### {textformat} #####

Chapter 6.

| (##)

Example 6.1.

```
<?php
$smarty->assign('articleTitle', 'Smokers are Productive, but Death Cuts Efficiency
?>
```

```
#####
```

```
{ $articleTitle }
{ $articleTitle|upper|spacify }
{ $articleTitle|lower|spacify|truncate }
{ $articleTitle|lower|truncate:30|spacify }
{ $articleTitle|lower|spacify|truncate:30:". . ." }
```

```
##
```

```
Smokers are Productive, but Death Cuts Efficiency.
S M O K E R S   A R ....snip.... H   C U T S   E F F I C I E N C Y .
s m o k e r s   a r ....snip.... b u t   d e a t h   c u t s...
s m o k e r s   a r e   p r o d u c t i v e ,   b u t . . .
s m o k e r s   a r e   p . . .
```

Chapter 7.

```
Smarty #####
#####
```

```
##### assign ##### {assign} #####
```

{capture}

```
{capture} ##### {capture name='foo'} #
{/capture} #####name #####
```

```
##### $smarty.capture.foo ("foo" # name #####) ##### name #
##### "default" #####$smarty.capture.default #####
```

```
{capture}'s #####
```

###	#	##	#####	##
name	string	no	default	#####
assign	string	No	n/a	##### #####

##

```
{insert} ##### $caching ##### {insert} #####
#####
```

Example 7.1. name ##### {capture}

```
{* ##### *}
{capture name=banner}
  {include file='get_banner.tpl'}
{/capture}

{if $smarty.capture.banner ne ''}
<div id="banner">{$smarty.capture.banner}</div>
{/if}
```

Example 7.2. {capture} #####

{popup}

```
{capture name=some_content assign=popText}
The server is {$smarty.server.SERVER_NAME|upper} at {$smarty.server.SERVER_ADDR}<b
Your ip is {$smarty.server.REMOTE_ADDR}.
{/capture}
<a href="#" {popup caption='Server Info' text=$popText}>help</a>
```

```
$smartyy.capture# {eval}# {fetch}# fetch() ### {assign} #####
```

{config_load}

```
{config_load} #####
```

###	#	##	#####	##
file	string	Yes	<i>n/a</i>	##### ##
section	string	No	<i>n/a</i>	#####
scope	string	no	<i>local</i>	##### ##local#parent#global ##### local ##### ## ##### ##### parent ##### ## ##### ##### ## global ##### ##### #####
global	boolean	No	<i>No</i>	##### ##### ##scope=parent ## ### (#: ##### ##### scope #### ##### # ##### ##scope ##### #####)#

Example 7.3. {config_load}

example.conf ####

#####

#####

pageTitle = "Main Menu"

bodyBgColor = #000000

tableBgColor = #000000

rowBgColor = #00ff00

customer

[Customer]

pageTitle = "Customer Info"

#####

{config_load file="example.conf"}

<html>

<title>{#pageTitle#|default:"No title"}</title>

<body bgcolor="{#bodyBgColor#}">

<table border="{#tableBorderSize#}" bgcolor="{#tableBgColor#}">

<tr bgcolor="{#rowBgColor#}">

<td>First</td>

<td>Last</td>

<td>Address</td>

</tr>

</table>

</body>

</html>

#####section ##### #####
#####(#####
#####)#**Note**

sections ##### {section}

##

Example 7.4. ##### {config_load} ##

```
{config_load file='example.conf' section='Customer'}
```

```
<html>
<title>{#pageTitle#}</title>
<body bgcolor="{#bodyBgColor#}">
<table border="{#tableBorderSize#}" bgcolor="{#tableBgColor#}">
  <tr bgcolor="{#rowBgColor#}">
    <td>First</td>
    <td>Last</td>
    <td>Address</td>
  </tr>
</table>
</body>
</html>
```

```
##### $config_overwrite #####
```

```
##### ##### config ## ##### $config_dir# get_config_vars() ### config_load() ##
#####
```

{foreach},{foreachelse}

```
{foreach} ##### {section} #####
##### {foreach} #### {section} ##### {foreach} ##
## ##### {/foreach} #####
```

###	#	##	#####	##
from	array	Yes	n/a	#####
item	string	Yes	n/a	#####
key	string	No	n/a	#####
name	string	No	n/a	foreach ##### ##### foreach ### #

- ##### from# item###
- {foreach} #### name ##### PHP ### [http://php.net/language.variables] #####
- {foreach} ##### {foreach} # name #####
- from ##### {foreach} #####
- {foreachelse} ## from #####
- {foreach} #####
{\$smarty.foreach.name.property} ####"name" # name #####

##

```
name ##### {foreach} ##### ## {section} #####  
###{foreach} ##### ## name #####
```

- {foreach} ##### *index# iteration# first# last# show# total* #####

Example 7.5. item ##

```
<?php  
$arr = array(1000, 1001, 1002);  
$smarty->assign('myArray', $arr);  
?>
```

```
$myArray #####
```

```
<ul>  
{foreach from=$myArray item=foo}  
  <li>{foo}</li>  
{/foreach}  
</ul>
```

##

```
<ul>  
  <li>1000</li>  
  <li>1001</li>  
  <li>1002</li>  
</ul>
```

Example 7.6. *item* ### *key* #####

```
<?php
$arr = array(9 => 'Tennis', 3 => 'Swimming', 8 => 'Coding');
$smarty->assign('myArray', $arr);
?>
```

```
$myArray # ##/ # ##### PHP # foreach [http://php.net/foreach] #####
```

```
<ul>
{foreach from=$myArray key=k item=v}
  <li>{$k}: {$v}</li>
{/foreach}
</ul>
```

```
##
```

```
<ul>
  <li>9: Tennis</li>
  <li>3: Swimming</li>
  <li>8: Coding</li>
</ul>
```

Example 7.7. {foreach} ##### item #####

```
<?php
$items_list = array(23 => array('no' => 2456, 'label' => 'Salad'),
                    96 => array('no' => 4889, 'label' => 'Cream')
                    );
$smarty->assign('items', $items_list);
?>
```

```
$items # $myId # url #####
```

```
<ul>
{foreach from=$items key=myId item=i}
  <li><a href="item.php?id={$myId}">{$i.no}: {$i.label}</li>
{/foreach}
</ul>
```

```
##
```

```
<ul>
  <li><a href="item.php?id=23">2456: Salad</li>
  <li><a href="item.php?id=96">4889: Cream</li>
</ul>
```

Example 7.8. {foreach} # item # key #####

```
### Smarty #####key #####
```

```
<?php
$smarty->assign('contacts', array(
    array('phone' => '1',
          'fax' => '2',
          'cell' => '3'),
    array('phone' => '555-4444',
          'fax' => '555-3333',
          'cell' => '760-1234')
));
?>
```

```
$contact #####
```

```
{foreach name=outer item=contact from=$contacts}
  <hr />
  {foreach key=key item=item from=$contact}
    {$key}: {$item}<br />
  {/foreach}
{/foreach}
```

```
##
```

```
<hr />
  phone: 1<br />
  fax: 2<br />
  cell: 3<br />
<hr />
  phone: 555-4444<br />
  fax: 555-3333<br />
  cell: 760-1234<br />
```

Example 7.9. ##### {foreachelse} ##

(PEAR # ADODB ##) ##### Smarty

```
<?php
    $search_condition = "where name like '$foo%' ";
    $sql = 'select contact_id, name, nick from contacts '.$search_condition.' order
    $smarty->assign('results', $db->getAssoc($sql) );
?>
```

#####{foreachelse} ##### "#####" #####

```
{foreach key=cid item=con from=$results}
    <a href="contact.php?contact_id={$cid}">{$con.name} - {$con.nick}</a><br />
{foreachelse}
    #####
{/foreach}
```

.index*index* #####**Example 7.10. *index* ##**

```
{* ##### *}
<table>
{foreach from=$items key=myId item=i name=foo}
    {if $smarty.foreach.foo.index % 5 == 0}
        <tr><th>####</th></tr>
    {/if}
    <tr><td>{$i.label}</td></tr>
{/foreach}
</table>
```

.iteration*iteration* ##### *index* ##### 1 ##### 1 #####

Example 7.11. *iteration* ### *index* ##

```
{* ##### 0|1, 1|2, 2|3, ... ##### *}
{foreach from=$myArray item=i name=foo}
{$smarty.foreach.foo.index}|{$smarty.foreach.foo.iteration},
{/foreach}
```

.first

```
first ##### {foreach} ##### TRUE #####
```

Example 7.12. *first* #####

```
{* ##### id ##### *}
<table>
{foreach from=$items key=myId item=i name=foo}
<tr>
  <td>{if $smarty.foreach.foo.first}##{else}{$myId}{/if}</td>
  <td>{$i.label}</td>
</tr>
{/foreach}
</table>
```

.last

```
last ##### {foreach} ##### TRUE #####
```

Example 7.13. *last* #####

```
{* ##### *}
{foreach from=$items key=part_id item=prod name=products}
  <a href="#"{$part_id}">{$prod}</a>{if $smarty.foreach.products.last}<hr>{else},{/
{foreachelse}
  ... ##### ...
{/foreach}
```

.show

```
show # {foreach} ##### show # boolean #### FALSE #### {foreach} ##### ##
{foreachelse} #####
```


.total

```
total ### {foreach} ##### {foreach} #####
```

Example 7.14. `total`

```
{* ##### *}
{foreach from=$items key=part_id item=prod name=foo}
{$prod.name}<hr/>
{if $smarty.foreach.foo.last}
  <div id="total">{$smarty.foreach.foo.total} items</div>
{/if}
{foreachelse}
  ... ##### ...
{/foreach}
```

```
{section} ### $smarty.foreach #####
```

{if},{elseif},{else}

```
Smarty ##### {if} #####PHP # if [http://php.net/if] #####
##### {if} ##### {/if} ##### {else} # {elseif} ##### // # or#
&&#and# is_array() ###PHP #####
```

```
$security ##### $security_settings ### IF_FUNCS ##### PHP #####
```

```
##### [] ##### "PHP
##" ###PHP #####
```

#####	##	###	##	PHP ##
==	eq	\$a eq \$b	###	==
!=	ne, neq	\$a neq \$b	#####	!=
>	gt	\$a gt \$b	#####	>
<	lt	\$a lt \$b	#####	<
>=	gte, ge	\$a ge \$b	##	>=
<=	lte, le	\$a le \$b	##	<=
===		\$a === 0	#####	===
!	not	not \$a	## (##)	!
%	mod	\$a mod \$b	##	%
is [not] div by		\$a is not div by 4	#####	\$a % \$b == 0
is [not] even		\$a is not even	##### [##] (##)	\$a % 2 == 0
is [not] even by		\$a is not even by \$b	##### [##]	(\$a / \$b) % 2 == 0
is [not] odd		\$a is not odd	##### [##] (##)	\$a % 2 != 0

#####

#####	##	###	##	PHP ##
is [not] odd by		\$a is not odd by \$b	##### [##]	(\$a / \$b) % 2 != 0

```

{* #####*}
{if $name == 'Fred' || $name == 'Wilma'}
...
{/if}
#####

```

Example 7.15: {if} #####

```

{if ( $amount < 0 or $amount > 1000 ) and $volume >= #minVolAmt#}
...
{/if}

{* PHP ##### *}
{if count($var) gt 0}
...
{/if}

{* ##### *}
{if is_array($foo) }
.....
{/if}

{* null ##### *}
{if isset($foo) }
.....
{/if}

{* ##### *}
{if $var is even}
...
{/if}
{if $var is odd}
...
{/if}
{if $var is not odd}
...
{/if}

{* ## 4 ##### *}
{if $var is div by 4}
...
{/if}

{*
##### even #####
0=even, 1=even, 2=odd, 3=odd, 4=even, 5=even, etc.
*}
{if $var is even by 2}
...
{/if}

{* 0=even, 1=even, 2=even, 3=odd, 4=odd, 5=odd, etc. *}
{if $var is even by 3}
...
{/if}

```

Example 7.16. {if} #####

```
{if isset($name) && $name == 'Blog'}
    {* ##### *}
{elseif $name == $foo}
    {* ##### *}
{/if}

{if is_array($foo) && count($foo) > 0}
    {* foreach ##### *}
{/if}
```

{include}

```
{include} #####  
#####
```

- {include} ##### *file* #####
- {include} ##### *assign* ##### {assign} #
#####
- ##### *attributes* #####
#####
- #####
{include}
- *\$template_dir* ##### {include} #####

###	#	##	#####	##
file	string	Yes	<i>n/a</i>	##### #####
assign	string	No	<i>n/a</i>	##### #####
[var ...]	[var type]	No	<i>n/a</i>	##### ##

Example 7.17. ##### {include} ##

```

<html>
<head>
  <title>{$title}</title>
</head>
<body>
{include file='page_header.tpl'}

{* ##### $tpl_name
   ##### 'contact.tpl' #####
*}
{include file="$tpl_name.tpl"}

{include file='page_footer.tpl'}
</body>
</html>

```

Example 7.18. {include} #####

```

{include file='links.tpl' title='Newest links' links=$link_array}
{* ##### *}
{include file='footer.tpl' foo='bar'}

```

```
##### links.tpl #####
```

```

<div id="box">
<h3>{$title}</h3>
<ul>
{foreach from=$links item=l}
.. ##### ...
</foreach>
</ul>
</div>

```

Example 7.19. {include} #####

#####nav.tpl ##### \$navbar ##### #####

```

<body>
  {include file='nav.tpl' assign=navbar}
  {include file='header.tpl' title='Smarty is cool'}
    {$navbar}
    {* ##### *}
    {$navbar}
  {include file='footer.tpl'}
</body>

```

Example 7.20. ##### {include} #####

```

{* ##### *}
{include file='/usr/local/include/templates/header.tpl'}

{* #####(#####) *}
{include file='file:/usr/local/include/templates/header.tpl'}

{* Windows#####(#####"file:####") *}
{include file='file:C:/www/pub/templates/header.tpl'}

{* "db"##### *}
{include file='db:header.tpl'}

{* ##### - # $module = 'contacts' *}
{include file="$module.tpl"}

{* ##### *}
{include file='$module.tpl'}

{* ##### - # amber/links.view.tpl *}
{include file="$style_dir/$module.$view.tpl"}

{include_php}# {insert}# {php}# ##### ### ##### #####

```

{include_php}

#####

```

{include_php} # Smarty #####
{include_php} ##### plugins/ ##### PHP #####
##### ### #####

```

###	#	##	#####	##
file	string	Yes	<i>n/a</i>	##### PHP ### ##
once	boolean	No	<i>TRUE</i>	## PHP ##### ##### #####
assign	string	No	<i>n/a</i>	include_php ##### #####

```
{include_php} #####PHP ##### $security #####PHP #####
$trusted_dir #####{include_php} ##### file #####
# PHP ##### $trusted_dir #####
```

```
#####PHP##### once #####
##### FALSE ##### PHP #####
```

```
##### assign ##### {include_php} #####
#####
```

```
Smarty ##### PHP ##### $this #####
```

Example 7.21. {include_php}

```
load_nav.php ###
```

```
<?php
```

```
// mysql #####
require_once('database.class.php');
$db = new Db();
$db->query('select url, name from navigation order by name');
$this->assign('navigation', $db->getRows());
```

```
?>
```

```
#####
```

```
{* ##### $trusted_dir ##### *}
{include_php file='/path/to/load_nav.php'}

{foreach item='nav' from=$navigation}
  <a href="{ $nav.url }">{ $nav.name }</a><br />
{/foreach}
```

```
{include}# $security# $trusted_dir# {php}#{capture}#####
#####
```

{insert}

```
{insert} ### {include} ##### {insert} ##### #####
## #####
```

###	#	##	#####	##
name	string	Yes	n/a	####insert#### (insert_name)
assign	string	No	n/a	##### #
script	string	No	n/a	insert##### #####PHP#### #
[var ...]	[var type]	No	n/a	insert#####

```
#####HTML, images, flash##### #####
##### #banner_location_id# #
#site_id# ##### {insert} #####
```

Example 7.22. {insert}

```
{* ##### *}
{insert name="getBanner" lid=#banner_location_id# sid=#site_id#}

#####name ### "getBanner" ##### #banner_location_id# # #site_id# #####Smarty #
PHP ##### insert_getBanner() ##### #banner_location_id# # #site_id# #####
##### {insert} ##### "insert_" #####
insert_getBanner() ##### {insert} #####
#####Smarty # insert_getBanner(array("lid" => "12345","sid" => "67890")); #####
{insert} #####
```

- assign ##### {insert} #####

Note

```
#####
```

- script ##### PHP ##### {insert} ##### (####) ##### ##insert #####
#####insert ##### PHP #####

```
##### $trusted_dir #####$security #####
$trusted_dir #####
```

```
Smarty ##### {insert} #### Smarty #####
```

```
#####
```

```
##### {insert} #####
### #####
```

```
{include} #####
```


{ldelim},{rdelim}

```
{ldelim}### {rdelim}##### {### }##### Javascript # CSS
##### {literal}/{literal}#####{$smarty.ldelim}##
#####
```

Example 7.23. {ldelim}, {rdelim}

```
{* ##### *}
{ldelim}funcname{rdelim} is how functions look in Smarty!
```

#####

```
{funcname} is how functions look in Smarty!
```

Javascript #####

```
<script language="JavaScript">
function foo() {ldelim}
    ... ### ...
{rdelim}
</script>
```

##

```
<script language="JavaScript">
function foo() {
    .... ### ...
}
</script>
```

Example 7.24. ## Javascript ##

```

<script language="JavaScript" type="text/javascript">
    function myJsFunction(){ldelim}
        alert("The server name\n{$smarty.server.SERVER_NAME}\n{$smarty.server.SERV
    {rdelim}
</script>
<a href="javascript:myJsFunction()">Click here for Server Info</a>

```

```
{literal} ### Smarty #####
```

{literal}

```

{literal} #####Javascript ##### ##
## ##### {literal}{/literal} ##### {literal} #
##### {ldelim}{rdelim} #####

```

Example 7.25. {literal} ##

```

{literal}
<script type="text/javascript">
<!--
    function isblank(field) {
        if (field.value == '')
            { return false; }
        else
            {
                document.loginform.submit();
                return true;
            }
    }
// -->
</script>
{/literal}

```

Example 7.26. Javascript #####

```

<script language="JavaScript" type="text/javascript">
{literal}
function myJsFunction(name, ip){
    alert("The server name\n" + name + "\n" + ip);
}
{/literal}
</script>
<a href="javascript:myJsFunction('{ $smarty.server.SERVER_NAME }', '{ $smarty.server.S

```

Example 7.27. ##### css style

```

{ * included this style .. as an experiment *}
<style type="text/css">
{literal}
/* this is an interesting idea for this section */
.madIdea{
    border: 3px outset #ffffff;
    margin: 2 3 4 5px;
    background-color: #001122;
}
{/literal}
</style>
<div class="madIdea">With smarty you can embed CSS in the template</div>

```

```
{ldelim} {rdelim} ### Smarty #####
```

{php}

```
{php} #####PHP ##### $php_handling #####
```

```
#####
```

```
{php} ##### PHP #####PHP # global [http://php.net/global] #####
```

Example 7.28. {php} ##### PHP ###

```

{php}
    // PHP #####
    include('/path/to/display_weather.php');
{/php}

```

Example 7.29. {php} ### global #####

```
{* ##### {php} ##### $varX ##### *}
{php}
    global $foo, $bar;
    if($foo == $bar){
        echo 'This will be sent to browser';
    }
    // ### Smarty #####
    $this->assign('varX','Toffee');
{/php}
{* ##### *}
<strong>{$varX}</strong> is my fav ice cream :-)
```

```
$php_handling# {include_php}# {include}# {insert} ### #####
###
```

{section},{sectionelse}

```
{section} ## ##### {foreach} # #####
#### {section} ##### {/section} #####
```

###	#	##	#####	##
name	string	Yes	<i>n/a</i>	#####
loop	mixed	Yes	<i>n/a</i>	#####
start	integer	No	<i>0</i>	##### ##### ## ##### ## #####7## #####start#-2## #####5 ##### ##### ## ##### ##
step	integer	No	<i>1</i>	##### ##### ## step=2##### 0, 2, 4##### ## step##### #####
max	integer	No	<i>n/a</i>	##### #
show	boolean	No	<i>TRUE</i>	##### #

- ##### name # loop ###

- {section} # name ## ##### PHP ### [http://php.net/language.variables] #####
- {section} ##### {section} #####
- loop ##### (#####) ## {section} ##### loop ##### #####
- {section} ##### {} #####
- ##### {sectionelse} #####
- {section} ##### {*\$smarty.section.name.property*} ##### "name" ##name #####
- {section} ##### *index# index_prev# index_next# iteration# first# last# rownum# loop# show# total* #####

Example 7.30. {section} #####

```
### Smarty # assign() ###
```

```
<?php
$data = array(1000,1001,1002);
$smarty->assign('custid',$data);
?>
```

```
#####
```

```
{* #### $custid ##### *}
{section name=customer loop=$custid}
  id: {$custid[customer]}<br />
{/section}
<hr />
{* $custid ##### *}
{section name=foo loop=$custid step=-1}
  {$custid[foo]}<br />
{/section}
```

```
#####
```

```
id: 1000<br />
id: 1001<br />
id: 1002<br />
<hr />
id: 1002<br />
id: 1001<br />
id: 1000<br />
```

Example 7.31. {section} #####

```
{section name=foo start=10 loop=20 step=2}
  {$smarty.section.foo.index}
{/section}


---



```

#####

```
10 12 14 16 18


---



```

Example 7.32. {section} ###

```
{section} # name #####PHP ### [http://php.net/language.variables] #####
##{section} #####
```

```
{section name=anything loop=$myArray}
  {$myArray[anything].foo}
  {$name[anything]}
  {$address[anything].bar}
{/section}
```

Example 7.33. {section} #####

{section} ##### ##### \$contacts # Smarty ### PHP

```
<?php
$data = array(
    array('name' => 'John Smith', 'home' => '555-555-5555',
        'cell' => '666-555-5555', 'email' => 'john@myexample.com'),
    array('name' => 'Jack Jones', 'home' => '777-555-5555',
        'cell' => '888-555-5555', 'email' => 'jack@myexample.com'),
    array('name' => 'Jane Munson', 'home' => '000-555-5555',
        'cell' => '123456', 'email' => 'jane@myexample.com')
);
$smarty->assign('contacts',$data);
?>
```

```
$contacts #####
```

```
{section name=customer loop=$contacts}
<p>
    name: {$contacts[customer].name}<br />
    home: {$contacts[customer].home}<br />
    cell: {$contacts[customer].cell}<br />
    e-mail: {$contacts[customer].email}
</p>
{/section}
```

```
#####
```

```
<p>
    name: John Smith<br />
    home: 555-555-5555<br />
    cell: 666-555-5555<br />
    e-mail: john@myexample.com
</p>
<p>
    name: Jack Jones<br />
    home phone: 777-555-5555<br />
    cell phone: 888-555-5555<br />
    e-mail: jack@myexample.com
</p>
<p>
    name: Jane Munson<br />
    home phone: 000-555-5555<br />
    cell phone: 123456<br />
    e-mail: jane@myexample.com
</p>
```


Example 7.34. {section} ## loop #####

```
#####$custid#$name ### $address #####Smarty #####
### PHP #####
```

```
<?php
```

```
$id = array(1001,1002,1003);
$smarty->assign('custid',$id);
```

```
$fullnames = array('John Smith','Jack Jones','Jane Munson');
$smarty->assign('name',$fullnames);
```

```
$addr = array('253 Abbey road', '417 Mulberry ln', '5605 apple st');
$smarty->assign('address',$addr);
```

```
?>
```

```
loop ##### {section} #####
```

```
{section name=customer loop=$custid}
<p>
  id: {$custid[customer]}<br />
  name: {$name[customer]}<br />
  address: {$address[customer]}
</p>
{/section}
```

```
#####
```

```
<p>
  id: 1000<br />
  name: John Smith<br />
  address: 253 Abbey road
</p>
<p>
  id: 1001<br />
  name: Jack Jones<br />
  address: 417 Mulberry ln
</p>
<p>
  id: 1002<br />
  name: Jane Munson<br />
  address: 5605 apple st
</p>
```

```

{section} ##### {section} ##### #####
php #####
Example 7.35. ##### {section}

$id = array(1001,1002,1003);
$smarty->assign('custid',$id);

$fullnames = array('John Smith','Jack Jones','Jane Munson');
$smarty->assign('name',$fullnames);

$addr = array('253 N 45th', '417 Mulberry ln', '5605 apple st');
$smarty->assign('address',$addr);

$types = array(
    array( 'home phone', 'cell phone', 'e-mail'),
    array( 'home phone', 'web'),
    array( 'cell phone')
);
$smarty->assign('contact_type', $types);

$info = array(
    array('555-555-5555', '666-555-5555', 'john@myexample.com'),
    array( '123-456-4', 'www.example.com'),
    array( '0457878')
);
$smarty->assign('contact_info', $info);

#####$contact_type[customer]#####
{section name=customer loop=$custid}
<hr>
  id: {$custid[customer]}<br />
  name: {$name[customer]}<br />
  address: {$address[customer]}<br />
  {section name=contact loop=$contact_type[customer]}
    {$contact_type[customer][contact]}: {$contact_info[customer][contact]}<br />
  {/section}
{/section}
#####
<hr>
  id: 1000<br />
  name: John Smith<br />
  address: 253 N 45th<br />
    home phone: 555-555-5555<br />
    cell phone: 666-555-5555<br />
    e-mail: john@myexample.com<br />
<hr>
  id: 1001<br />
  name: Jack Jones<br />
  address: 417 Mulberry ln<br />
    home phone: 123-456-4<br />
    web: www.example.com<br />
<hr>
  id: 1002<br />
  name: Jane Munson<br />
  address: 5605 apple st<br />
    cell phone: 0457878<br />

```

Example 7.36. ##### {sectionelse} ##

(ADODB # PEAR) ##### Smarty

```
<?php
$sql = 'select id, name, home, cell, email from contacts '
      . "where name like '$foo%' ";
$smarty->assign('contacts', $db->getAll($sql));
?>
```

HTML

```
<table>
<tr><th>&nbsp;</th><th>Name</th><th>Home</th><th>Cell</th><th>Email</th></tr>
{section name=co loop=$contacts}
  <tr>
    <td><a href="view.php?id={$contacts[co].id}">view<a></td>
    <td>{$contacts[co].name}</td>
    <td>{$contacts[co].home}</td>
    <td>{$contacts[co].cell}</td>
    <td>{$contacts[co].email}</td>
  <tr>
{sectionelse}
  <tr><td colspan="5">No items found</td></tr>
{/section}
</table>
```

.index

```
index ##### 0(## start ####)##### 1(## step ####)#####
```

#####

```
step # start ##### iteration ##### 1 #### 0 #####
#####
```

Example 7.37. {section} # index #####

####.....

\$custid[customer.index] # \$custid[customer] #####

```
{section name=customer loop=$custid}
  {$smarty.section.customer.index} id: {$custid[customer]}<br />
{/section}
```

#####

```
0 id: 1000<br />
1 id: 1001<br />
2 id: 1002<br />
```

.index_prev

index_prev #####.1#####

.index_next

index_next ##### (step #####)#

Example 7.38. index#index_next ### index_prev #####

```

<?php
$data = array(1001,1002,1003,1004,1005);
$smarty->assign('rows',$data);
?>

#####

{* $rows[row.index] # $rows[row] ##### *}
<table>
  <tr>
    <th>index</th><th>id</th>
    <th>index_prev</th><th>prev_id</th>
    <th>index_next</th><th>next_id</th>
  </tr>
  {section name=row loop=$rows}
  <tr>
    <td>{$smarty.section.row.index}</td><td>{$rows[row]}</td>
    <td>{$smarty.section.row.index_prev}</td><td>{$rows[row.index_prev]}</td>
    <td>{$smarty.section.row.index_next}</td><td>{$rows[row.index_next]}</td>
  </tr>
{/section}
</table>

```

#####

index	id	index_prev	prev_id	index_next	next_id
0	1001	-1		1	1002
1	1002	0	1001	2	1003
2	1003	1	1002	3	1004
3	1004	2	1003	4	1005
4	1005	3	1004	5	

.iteration

```
iteration #####
```

Note

```

index ##### {section} ##### start#step ### max #####
iteration # 1 ##### index # 0 #####rownum # iteration #####
#####

```

Example 7.39. ##### iteration

```
<?php
// 3000 ## 3015 #####
$id = range(3000,3015);
$smarty->assign('arr',$id);
?>
```

```
$arr ##### step=2 #####
```

```
{section name=cu loop=$arr start=5 step=2}
  iteration={smarty.section.cu.iteration}
  index={smarty.section.cu.index}
  id={$custid[cu]}<br />
{/section}
```

```
#####
```

```
iteration=1 index=5 id=3005<br />
iteration=2 index=7 id=3007<br />
iteration=3 index=9 id=3009<br />
iteration=4 index=11 id=3011<br />
iteration=5 index=13 id=3013<br />
iteration=6 index=15 id=3015<br />
```

```
#####iteration ##### 5 ##### {if} ### mod #####
```

```
<table>
{section name=co loop=$contacts}
  {if $smarty.section.co.iteration % 5 == 1}
    <tr><th>&nbsp;</th><th>Name</th><th>Home</th><th>Cell</th><th>Email</th></tr>
  {/if}
  <tr>
    <td><a href="view.php?id={$contacts[co].id}">view<a></td>
    <td>{$contacts[co].name}</td>
    <td>{$contacts[co].home}</td>
    <td>{$contacts[co].cell}</td>
    <td>{$contacts[co].email}</td>
  </tr>
{/section}
</table>
```

.first

```
first #### {section} ##### TRUE #####
```

.last

```
last #### {section} ##### TRUE #####
```

Example 7.40. {section} ##### first # last

```
#### $customers ##### total #####
```

```
{section name=customer loop=$customers}
  {if $smarty.section.customer.first}
    <table>
      <tr><th>id</th><th>customer</th></tr>
    {/if}

    <tr>
      <td>{$customers[customer].id}</td>
      <td>{$customers[customer].name}</td>
    </tr>

    {if $smarty.section.customer.last}
      <tr><td></td><td>{$smarty.section.customer.total} customers</td></tr>
    </table>
  {/if}
{/section}
```

.rownum

```
rownum #####(1####)# ### iteration #####
```

.loop

```
loop #### {section} ##### {section} #####
```

Example 7.41. {section} ##### loop

```
{section name=customer loop=$custid}
  {$smarty.section.customer.index} id: {$custid[customer]}<br />
{/section}
There are {$smarty.section.customer.loop} customers shown above.
```

#####

```
0 id: 1000<br />
1 id: 1001<br />
2 id: 1002<br />
There are 3 customers shown above.
```

.show

```
show ##### boolean #####FALSE ##### {sectionelse} #####
#####
```

Example 7.42. show #####

```
Boolean $show_customer_info # PHP #####
```

```
{section name=customer loop=$customers show=$show_customer_info}
  {$smarty.section.customer.rownum} id: {$customers[customer]}<br />
{/section}
```

```
{if $smarty.section.customer.show}
  the section was shown.
{else}
  the section was not shown.
{/if}
```

#####

```
1 id: 1000<br />
2 id: 1001<br />
3 id: 1002<br />

the section was shown.
```


.total

```
total# {section} ##### {section} #####
```

Example 7.43. total

```
{section name=customer loop=$custid step=2}
  {$smarty.section.customer.index} id: {$custid[customer]}<br />
{/section}
  There are {$smarty.section.customer.total} customers shown above.
```

```
{foreach} ### $smarty.section #####
```

{strip}

```
Web#####HTML #####
#####

{strip}{/strip} #####
### #####
```

Note

```
{strip}{/strip} ##### strip ### #####
```

Example 7.44. {strip}

```
{* ##### *}
{strip}
<table border='0'>
  <tr>
    <td>
      <a href="{ $url }">
        <font color="red">This is a test</font>
      </a>
    </td>
  </tr>
</table>
{/strip}
```

```
#####
```

```
<table border='0'><tr><td><a href="http://. snipped...</a></td></tr></table>
```

#####

HTML ##### HTML #####
#####

strip #####

Chapter 8.

Smarty #####

{assign}

{assign} #####

###	#	##	#####	##
var	string	Yes	<i>n/a</i>	##### ###
value	string	Yes	<i>n/a</i>	#####

Example 8.1. {assign}

```
{assign var='name' value='Bob'}
```

The value of \$name is { \$name }.

#####

The value of \$name is Bob.

Example 8.2. {assign}

#####`#####`#####

```
{assign var=running_total value=`$running_total+$some_array[row].some_value`}
```

Example 8.3. PHP ##### {assign} #####

```
PHP ##### {assign} ##### get_template_vars() ##### $foo #####
#####
```

```
{assign var='foo' value='Smarty'}
```

```
#####
```

```
<?php
```

```
// #####
echo $smarty->get_template_vars('foo');
```

```
// #####
$whole_page = $smarty->fetch('index.tpl');
```

```
// ### 'smarty' #####
echo $smarty->get_template_vars('foo');
```

```
$smarty->assign('foo','Even smarter');
```

```
// ### 'Even smarter' #####
echo $smarty->get_template_vars('foo');
```

```
?>
```

```
#####
```

```
{capture}# {include}# {include_php}# {insert}# {counter}# {cycle}# {eval}#
{fetch}# {math}# {textformat}
```

```
assign() ### get_template_vars() #####
```

{counter}

```
{counter} ##### {counter} #####/#####
### #####name#####name##### "default" ###
###
```

```
assign ##### {counter} #####
```

###	#	##	#####	##
name	string	No	<i>default</i>	#####
start	number	No	<i>1</i>	#####
skip	number	No	<i>1</i>	#####

#####

###	#	##	#####	##
direction	string	No	<i>up</i>	##### (up/down)
print	boolean	No	<i>TRUE</i>	#####
assign	string	No	<i>n/a</i>	##### ###

Example 8.4. {counter}

```
{* initialize the count *}
{counter start=0 skip=2}<br />
{counter}<br />
{counter}<br />
{counter}<br />
```

##

```
0<br />
2<br />
4<br />
6<br />
```

{cycle}

```
{cycle} #####
```

###	#	##	#####	##
name	string	No	<i>default</i>	#####
values	mixed	Yes	<i>N/A</i>	##### (delimiter#####)## ##### #####
print	boolean	No	<i>TRUE</i>	#####
advance	boolean	No	<i>TRUE</i>	#####
delimiter	string	No	,	value ##### ###
assign	string	No	<i>n/a</i>	##### ###
reset	boolean	No	<i>FALSE</i>	##### #####

- `name ##### {cycle} ##### # {cycle} ##### name ### #####`
- `print ### FALSE #####`
- `advance ##### FALSE ##### {cycle} #####`
- `assign ##### {cycle} #####`

Example 8.5. {cycle}

```
{section name=rows loop=$data}
<tr class="{cycle values='odd,even'}">
  <td>{$data[rows]}</td>
</tr>
{/section}
```

```
#####
```

```
<tr class="odd">
  <td>1</td>
</tr>
<tr class="even">
  <td>2</td>
</tr>
<tr class="odd">
  <td>3</td>
</tr>
```

{debug}

```
{debug} #####PHP##### debug #####
## #####
```

###	#	##	#####	##
output	string	No	<i>javascript</i>	#####html## javascript

```
#####
```

{eval}

```
{eval} #####
```

#####

assign ##### {eval} #####

###	#	##	#####	##
var	mixed	Yes	n/a	##### (#####)
assign	string	No	n/a	##### ###

#####

- #####
- #####
#####

Example 8.6. {eval}

setup.conf

```

emphstart = <strong>
emphend = </strong>
title = Welcome to {$company}'s home page!
ErrorCity = You must supply a {#emphstart#}city{#emphend#}.
ErrorState = You must supply a {#emphstart#}state{#emphend#}.

```

#####

```

{config_load file='setup.conf'}

{eval var=$foo}
{eval var=#title#}
{eval var=#ErrorCity#}
{eval var=#ErrorState# assign='state_error'}
{$state_error}

```

#####

```

This is the contents of foo.
Welcome to Foobar Pub & Grill's home page!
You must supply a <strong>city</strong>.
You must supply a <strong>state</strong>.

```

Example 8.7. ##### {eval} ##

(#####) # IP ##### ##### \$str ##

```
<?php
$str = 'The server name is {$smarty.server.SERVER_NAME|upper} '
      .'at {$smarty.server.SERVER_ADDR}';
$smarty->assign('foo', $str);
?>
```

#####

{eval var=\$foo}

{fetch}

{fetch} #####http, ftp#####

- ##### http:// #####web #####

Note

http #####

- ##### ftp:// ##### ftp #####
- ##### ##### PHP #####

Note##### \$security ##### {fetch} ##### ##
#####

- assign ##### {fetch} #####

###	#	##	####	##
file	string	Yes	n/a	#####http ### # ftp ###
assign	string	No	n/a	##### ###

Example 8.8. {fetch} ##

```

{* #####JavaScript##### *}
{fetch file='/export/httpd/www.example.com/docs/navbar.js'}

{* ##web##### *}
{fetch file='http://www.myweather.com/68502/'}

{* ftp##### *}
{fetch file='ftp://user:password@ftp.example.com/path/to/currentheadlines.txt'}
{* ##### *}
{fetch file="ftp://`$user`:`$password`@`$server`/`$path`"}

{* ##### *}
{fetch file='http://www.myweather.com/68502/' assign='weather'}
{if $weather ne ''}
  <div id="weather">{$weather}</div>
{/if}

{capture}# {eval}# {assign} ### fetch() #####

```

{html_checkboxes}

```

{html_checkboxes} ## ##### HTML ##### #####
#####

```

###	#	##	#####	##
name	string	No	<i>checkbox</i>	#####
values	array	Yes (options #####)	<i>n/a</i>	##### #
output	array	Yes (options #####)	<i>n/a</i>	##### ##
selected	string/array	No	<i>empty</i>	##### #####
options	associative array	Yes (values# output#####)	<i>n/a</i>	values##output## #####
separator	string	No	<i>empty</i>	##### #####
assign	string	No	<i>empty</i>	##### #####
labels	boolean	No	<i>TRUE</i>	### <label> #####

- *options* ##### ##### *values* ## *output* #####
- ##### XHTML #####

- ##### <input type="checkbox"/> #####/#####

Example 8.9. {html_checkboxes}

```
<?php
```

```
$smarty->assign('cust_ids', array(1000,1001,1002,1003));
```

```
$smarty->assign('cust_names', array(
    'Joe Schmoe',
    'Jack Smith',
    'Jane Johnson',
    'Charlie Brown')
);
```

```
$smarty->assign('customer_id', 1001);
```

```
?>
```

```
#####
```

```
{html_checkboxes name='id' values=$cust_ids output=$cust_names
    selected=$customer_id separator='<br />'}
```

```
##### PHP #####
```

```
<?php
```

```
$smarty->assign('cust_checkboxes', array(
    1000 => 'Joe Schmoe',
    1001 => 'Jack Smith',
    1002 => 'Jane Johnson',
    1003 => 'Charlie Brown')
);
```

```
$smarty->assign('customer_id', 1001);
```

```
?>
```

```
#####
```

```
{html_checkboxes name='id' options=$cust_checkboxes
    selected=$customer_id separator='<br />'}
```

```
#####
```

```
<label><input type="checkbox" name="id[]" value="1000" />Joe Schmoe</label><br />
<label><input type="checkbox" name="id[]" value="1001" checked="checked" />Jack Sm
<br />
<label><input type="checkbox" name="id[]" value="1002" />Jane Johnson</label><br />
<label><input type="checkbox" name="id[]" value="1003" />Charlie Brown</label><br />
```

Example 8.10. ##### (PEAR ##### ADODB)

```
<?php

$sql = 'select type_id, types from contact_types order by type';
$smarty->assign('contact_types', $db->getAssoc($sql));

$sql = 'select contact_id, contact_type_id, contact '
      .'from contacts where contact_id=12';
$smarty->assign('contact', $db->getRow($sql));

?>
```

#####

```
{html_checkboxes name='contact_type_id' options=$contact_types
  selected=$contact.contact_type_id separator='<br />'}
```

```
{html_radios} ### {html_options} #####
```

{html_image}

```
{html_image} ##HTML # <img> ##### height ## width #####
#####
```

###	#	##	#####	##
file	string	Yes	n/a	#####
height	string	No	#####	#####
width	string	No	#####	#####
basedir	string	no	web ##### #####	##### #
alt	string	no	“”	#####
href	string	no	n/a	##### href ##
path_prefix	string	no	n/a	#####

- *basedir* ##### web #####
\$_ENV['DOCUMENT_ROOT'] ##### \$security #####
- *href* ##### href ##### image ##### <a> #####
- *path_prefix* #####
- ##### ##### #/# #####

#####

```
{html_image} #####
##{html_image} ##### image #####
```

Example 8.11. {html_image} ##

```
{html_image file='pumpkin.jpg'}
{html_image file='/path/from/docroot/pumpkin.jpg'}
{html_image file='../path/relative/to/currdir/pumpkin.jpg'}
```

#####

```



```

{html_options}

```
{html_options} ##HTML # <select><option> #####
#####
```

###	#	##	#####	##
values	array	Yes (options #####)	<i>n/a</i>	#####value #####
output	array	Yes (options #####)	<i>n/a</i>	##### ###
selected	string/array	No	<i>empty</i>	##### #####
options	associative array	Yes (values# output#####)	<i>n/a</i>	###values##### output#####
name	string	No	<i>empty</i>	select#####

- *options* ##### *values* ### *output* #####
- ##### *name* ##### <select></select> ##### <option> #####
###
- ##### HTML # <optgroup> ##### <optgroup> #####
- ##### <select> ##### ##/# ##### *name* #####
#####
- ##### XHTML #####

Example 8.12. options #####

```
<?php
$smarty->assign('myOptions', array(
    1800 => 'Joe Schmoie',
    9904 => 'Jack Smith',
    2003 => 'Charlie Brown')
);
$smarty->assign('mySelect', 9904);
?>
```

```
##### name ##### <select> #####
```

```
{html_options name=foo options=$myOptions selected=$mySelect}
```

```
#####
```

```
<select name="foo">
<option label="Joe Schmoie" value="1800">Joe Schmoie</option>
<option label="Jack Smith" value="9904" selected="selected">Jack Smith</option>
<option label="Charlie Brown" value="2003">Charlie Brown</option>
</select>
```

Example 8.13. values # ouptut #####

```
<?php
$smarty->assign('cust_ids', array(56,92,13));
$smarty->assign('cust_names', array(
    'Joe Schmoie',
    'Jane Johnson',
    'Charlie Brown'));
$smarty->assign('customer_id', 92);
?>
```

```
##### (PHP # count() [http://php.net/function.count] ##### select #
#####)#
```

```
<select name="customer_id" size="{ $cust_names|@count }">
    {html_options values=$cust_ids output=$cust_names selected=$customer_id}
</select>
```

```
#####
```

```
<select name="customer_id" size="3">
    <option label="Joe Schmoie" value="56">Joe Schmoie</option>
    <option label="Jack Smith" value="92" selected="selected">Jane Johnson</option>
    <option label="Charlie Brown" value="13">Charlie Brown</option>
</select>
```

Example 8.14. ##### (ADODB ##### PEAR) ##

```
<?php

$sql = 'select type_id, types from contact_types order by type';
$smarty->assign('contact_types', $db->getAssoc($sql));

$sql = 'select contact_id, name, email, contact_type_id
        from contacts where contact_id='.$contact_id;
$smarty->assign('contact', $db->getRow($sql));

?>

##### truncate #####

<select name="type_id">
  <option value='null'>-- none --</option>
  {html_options options=$contact_types|truncate:20 selected=$contact.type_id}
</select>
```


Example 8.15. <optgroup> #####

```
<?php
$arr['Sport'] = array(6 => 'Golf', 9 => 'Cricket',7 => 'Swim');
$arr['Rest']  = array(3 => 'Sauna',1 => 'Massage');
$smarty->assign('lookups', $arr);
$smarty->assign('fav', 7);
?>
```

#####

```
{html_options name=foo options=$lookups selected=$fav}
```

##

```
<select name="foo">
<optgroup label="Sport">
<option label="Golf" value="6">Golf</option>
<option label="Cricket" value="9">Cricket</option>
<option label="Swim" value="7" selected="selected">Swim</option>
</optgroup>
<optgroup label="Rest">
<option label="Sauna" value="3">Sauna</option>
<option label="Massage" value="1">Massage</option>
</optgroup>
</select>
```

```
{html_checkboxes} ### {html_radios} #####
```

{html_radios}

```
{html_radios} # HTML #####
```

###	#	##	#####	##
name	string	No	<i>radio</i>	#####
values	array	Yes (options #####)	<i>n/a</i>	#####
output	array	Yes (options #####)	<i>n/a</i>	#####
selected	string	No	<i>empty</i>	#####

###	#	##	#####	##
options	associative array	Yes (values# output#####)	<i>n/a</i>	values###output## #####
separator	string	No	<i>empty</i>	##### ####
assign	string	No	<i>empty</i>	radio ##### #####

- *options* ##### *values* ### *output* #####
- ##### XHTML #####
- ##### <input> ##### ##/# #####

Example 8.16. {html_radios}

```
<?php

$smarty->assign('cust_ids', array(1000,1001,1002,1003));
$smarty->assign('cust_names', array(
    'Joe Schmoe',
    'Jack Smith',
    'Jane Johnson',
    'Charlie Brown')
);
$smarty->assign('customer_id', 1001);

?>

#####

{html_radios name='id' values=$cust_ids output=$cust_names
  selected=$customer_id separator='<br />'}
```

Example 8.17. {html_radios} #####

```
<?php
$smarty->assign('cust_radios', array(
    1000 => 'Joe Schmoe',
    1001 => 'Jack Smith',
    1002 => 'Jane Johnson',
    1003 => 'Charlie Brown'));
$smarty->assign('customer_id', 1001);
?>
```

#####

```
{html_radios name='id' options=$cust_radios
    selected=$customer_id separator='<br />'}

```

#####

```
<label for="id_1000">
<input type="radio" name="id" value="1000" id="id_1000" />Joe Schmoe</label><br />
<label for="id_1001"><input type="radio" name="id" value="1001" id="id_1001" check
<label for="id_1002"><input type="radio" name="id" value="1002" id="id_1002" />Jan
<label for="id_1003"><input type="radio" name="id" value="1003" id="id_1003" />Cha
```

Example 8.18. {html_radios} - ##### (PEAR ##### ADODB) ##

```
<?php

$sql = 'select type_id, types from contact_types order by type';
$smarty->assign('contact_types', $db->getAssoc($sql));

$sql = 'select contact_id, name, email, contact_type_id '
      . 'from contacts where contact_id=' . $contact_id;
$smarty->assign('contact', $db->getRow($sql));

?>
```

```
#####
```

```
{html_radios name='contact_type_id' options=$contact_types
  selected=$contact.contact_type_id separator='<br />'}
```

```
{html_checkboxes} ### {html_options} #####
```

{html_select_date}

```
{html_select_date} ##### ##   
##### <select> ##### ##/##
```

###	#	##	#####	##
prefix	string	No	Date_	name#####
time	timestamp/ YYYY-MM-DD	No	UNIX##### YYYY-MM-DD #####	#####/##
start_year	string	No	####	##### (##### ####(+/- N))
end_year	string	No	start_year###	##### # (##### #####(+/- N))
display_days	boolean	No	TRUE	#####
display_months	boolean	No	TRUE	#####
display_years	boolean	No	TRUE	#####
month_format	string	No	%B	##### (strftime)
day_format	string	No	%02d	##### (sprintf)

#####

###	#	##	#####	##
day_value_format	string	No	%d	##### (sprintf)
year_as_text	boolean	No	FALSE	##### ##
reverse_years	boolean	No	FALSE	#####
field_array	string	No	null	name##### ##### name[Day],name[Month],name[Year] #####PHP## #
day_size	string	No	null	##select###size### ##
month_size	string	No	null	##select###size### ##
year_size	string	No	null	##select###size### ##
all_extra	string	No	null	###select/input### #####
day_extra	string	No	null	##select/input#### #####
month_extra	string	No	null	##select/input#### #####
year_extra	string	No	null	##select/input#### #####
field_order	string	No	MDY	#####
field_separator	string	No	\n	#####
month_value_format	string	No	%m	strftime() ##### #####%m#
year_empty	string	No	null	##### #####label# ### ## “” #value ##### ##### “##### ##” ##### ## ##### ####time##### “- MM-DD” ##### #####
month_empty	string	No	null	##### #####label# ### ## “” #value# ##### ##### time# ##### “YYYY-- DD” ##### #####

#####

###	#	##	#####	##
day_empty	string	No	null	##### #####label# ### ## “” #value# ##### ##### time# ##### “YYYY- MM-” ##### #####

Note

{html_select_date} ##### php

Example 8.19. {html_select_date}

#####

{html_select_date}

##

```
<select name="Date_Month">
<option value="1">January</option>
<option value="2">February</option>
<option value="3">March</option>
..... ## .....
<option value="10">October</option>
<option value="11">November</option>
<option value="12" selected="selected">December</option>
</select>
<select name="Date_Day">
<option value="1">01</option>
<option value="2">02</option>
<option value="3">03</option>
..... ## .....
<option value="11">11</option>
<option value="12">12</option>
<option value="13" selected="selected">13</option>
<option value="14">14</option>
<option value="15">15</option>
..... ## .....
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>
<select name="Date_Year">
<option value="2006" selected="selected">2006</option>
</select>
```

Example 8.20. {html_select_date} #####

```
{* ##### *}
{html_select_date prefix='StartDate' time=$time start_year='-5'
  end_year='+1' display_days=false}
```

```
##### 2000 #####
```

```
<select name="StartDateMonth">
<option value="1">January</option>
<option value="2">February</option>
.... ## ....
<option value="11">November</option>
<option value="12" selected="selected">December</option>
</select>
<select name="StartDateYear">
<option value="1995">1995</option>
.... ## ....
<option value="1999">1999</option>
<option value="2000" selected="selected">2000</option>
<option value="2001">2001</option>
</select>
```

```
{html_select_time}#date_format# $smarty.now ### #####
```

{html_select_time}

```
{html_select_time} ##### am/pm #####
##
```

```
time #####UNIX##### YYYYMMDDHHMMSS #####PHP # strtotime() [http://php.net/
strtotime] #####
```

###	#	##	#####	##
prefix	string	No	Time_	name#####
time	timestamp	No	#####	#####/##
display_hours	boolean	No	TRUE	#####
display_minutes	boolean	No	TRUE	#####
display_seconds	boolean	No	TRUE	#####
display_meridian	boolean	No	TRUE	am/pm #####
use_24_hours	boolean	No	TRUE	24 ##### #
minute_interval	integer	No	1	#####

#####

###	#	##	#####	##
second_interval	integer	No	1	#####
field_array	string	No	n/a	##### ###
all_extra	string	No	null	###select/input### #####
hour_extra	string	No	null	###select/input### #####
minute_extra	string	No	null	##select/input#### #####
second_extra	string	No	null	##select/input#### #####
meridian_extra	string	No	null	am/pm#select/input #####

Example 8.21. {html_select_time}

```
{html_select_time use_24_hours=true}
```

```
##### 9 # 20 # 23 #####
```

```
<select name="Time_Hour">
<option value="00">00</option>
<option value="01">01</option>
... ## ....
<option value="08">08</option>
<option value="09" selected>09</option>
<option value="10">10</option>
... ## ....
<option value="22">22</option>
<option value="23">23</option>
</select>
<select name="Time_Minute">
<option value="00">00</option>
<option value="01">01</option>
... ## ....
<option value="19">19</option>
<option value="20" selected>20</option>
<option value="21">21</option>
... ## ....
<option value="58">58</option>
<option value="59">59</option>
</select>
<select name="Time_Second">
<option value="00">00</option>
<option value="01">01</option>
... ## ....
<option value="22">22</option>
<option value="23" selected>23</option>
<option value="24">24</option>
... ## ....
<option value="58">58</option>
<option value="59">59</option>
</select>
<select name="Time_Meridian">
<option value="am" selected>AM</option>
<option value="pm">PM</option>
</select>
```

```
Smarty.now# {html_select_date} ### #####
```

{html_table}`{html_table} ##HTML # <table> ##### ##### ###`

###	#	##	#####	##
loop	array	Yes	<i>n/a</i>	#####
cols	mixed	No	3	#####cols## #####rows##### ##### cols#### ##### ##cols##### rows##### ##### rows#cols# ##### cols## ##### 3 ##### ### ##### ##### #####
rows	integer	No	<i>empty</i>	#####rows#### ####cols##### ##### rows##### ##### #rows##### cols##### #####
inner	string	No	<i>cols</i>	##### ##### cols ##### ##### rows ##### ##### ##
caption	string	No	<i>empty</i>	##### <caption> ##### #####
table_attr	string	No	<i>border="1"</i>	<table> #####
th_attr	string	No	<i>empty</i>	<th> ##### (#### #####)
tr_attr	string	No	<i>empty</i>	<tr> ##### (#### #####)
td_attr	string	No	<i>empty</i>	<td> ##### (#### #####)
trailpad	string	No	<i>&nbsp;</i>	##### #####
hdir	string	No	<i>right</i>	#####: <i>right</i> (#####)# <i>left</i> (#####)
vdir	string	No	<i>down</i>	##### ##: <i>down</i> (#####)# <i>up</i> (#####)

- `cols #####`
- `table_attr#tr_attr###td_attr##### <table>#<tr>### <td> #####`
- `tr_attr#td_attr#####`
- `trailpad#####`

Example 8.22. {html_table}

```
<?php
$smarty->assign( 'data', array(1,2,3,4,5,6,7,8,9) );
$smarty->assign( 'tr', array('bgcolor="#eeeeee"', 'bgcolor="#dddddd"') );
$smarty->display('index.tpl');
?>
```

PHP #####

```
{**** # 1 ****}
{html_table loop=$data}
```

```
<table border="1">
<tbody>
<tr><td>1</td><td>2</td><td>3</td></tr>
<tr><td>4</td><td>5</td><td>6</td></tr>
<tr><td>7</td><td>8</td><td>9</td></tr>
</tbody>
</table>
```

```
{**** # 2 ****}
{html_table loop=$data cols=4 table_attr='border="0"'}>
```

```
<table border="0">
<tbody>
<tr><td>1</td><td>2</td><td>3</td><td>4</td></tr>
<tr><td>5</td><td>6</td><td>7</td><td>8</td></tr>
<tr><td>9</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td></tr>
</tbody>
</table>
```

```
{**** # 3 ****}
{html_table loop=$data cols="first,second,third,fourth" tr_attr=$tr}
```

```
<table border="1">
<thead>
<tr>
<th>first</th><th>second</th><th>third</th><th>fourth</th>
</tr>
</thead>
<tbody>
<tr bgcolor="#eeeeee"><td>1</td><td>2</td><td>3</td><td>4</td></tr>
<tr bgcolor="#dddddd"><td>5</td><td>6</td><td>7</td><td>8</td></tr>
<tr bgcolor="#eeeeee"><td>9</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td></tr>
</tbody>
</table>
```

{mailto}

```
{mailto} ##mailto: #####
#####
```

```
#####
```

```
Javascript ##### hex#####
```

###	#	##	#####	##
address	string	Yes	n/a	#####
text	string	No	n/a	##### #####
encode	string	No	none	##### ## none# hex#javascript #### javascript_charcode #####
cc	string	No	n/a	##### #### ##### #####
bcc	string	No	n/a	##### ##### #####
subject	string	No	n/a	#####
newsgroups	string	No	n/a	##### ##### ##
followupto	string	No	n/a	##### ##### #####
extra	string	No	n/a	##### ##### ###

Example 8.23. {mailto} #####

```
{mailto address="me@example.com"}
<a href="mailto:me@example.com" >me@example.com</a>

{mailto address="me@example.com" text="send me some mail"}
<a href="mailto:me@example.com" >send me some mail</a>

{mailto address="me@example.com" encode="javascript"}
<script type="text/javascript" language="javascript">
    eval(unescape('%64%6f% ... snipped ...%61%3e%27%29%3b'))
</script>

{mailto address="me@example.com" encode="hex"}
<a href="mailto:%6d%65.. snipped..3%6f%6d">&#x6d;&#x6d;..snipped...#x6f;&#x6d;</a>

{mailto address="me@example.com" subject="Hello to you!"}
<a href="mailto:me@example.com?subject=Hello%20to%20you%21" >me@example.com</a>

{mailto address="me@example.com" cc="you@example.com,they@example.com"}
<a href="mailto:me@example.com?cc=you@example.com%2Cthey@example.com" >me@example.com</a>

{mailto address="me@example.com" extra='class="email"'}
<a href="mailto:me@example.com" class="email">me@example.com</a>

{mailto address="me@example.com" encode="javascript_charcode"}
<script type="text/javascript" language="javascript">
    <!--
        {document.write(String.fromCharCode(60,97, ... snipped ....60,47,97,62))}
    //-->
</script>

escape# {textformat} ### E-mail #####
```

{math}

```
{math} #####
• #####
• #####
• +, -, /, *, abs, ceil, cos, exp, floor, log, log10, max, min, pi, pow, rand, round, sin, sqrt, srans ### tan #
  ##### PHP # ## [http://php.net/eval] #####
• assign ##### {math} #####

#####

{math} # PHP # eval() [http://php.net/eval] ##### PHP
## math ##### math####PHP#####PHP#####
assign() ##### {section} ##### {math} #####
```

#####

###	#	##	#####	##
equation	string	Yes	<i>n/a</i>	#####
format	string	No	<i>n/a</i>	##### (sprintf)
var	numeric	Yes	<i>n/a</i>	#####
assign	string	No	<i>n/a</i>	##### #
[var ...]	numeric	Yes	<i>n/a</i>	#####

Example 8.24. {math}**#### a:**

```
{* $height=4, $width=5 *}
{math equation="x + y" x=$height y=$width}
```

#####

9

b:

```
{* $row_height = 10, $row_width = 20, #col_div# = 2, ##### *}
{math equation="height * width / division"
height=$row_height
width=$row_width
division=#col_div#}
```

#####

100

c:

```
{* ##### *}
{math equation="(( x + y ) / z )" x=2 y=10 z=2}
```

#####

6

d:

```
{* sprintf ##### *}
{math equation="x + y" x=4.4444 y=5.0000 format="%.2f"}
```

#####

9.44

{popup}

{popup} #####Javascript ##### {popup_init} #####

###	#	##	#####	##
text	string	Yes	<i>n/a</i>	##### ##text/html
trigger	string	No	<i>onMouseOver</i>	##### ##### #onMouseOver## onClick#
sticky	boolean	No	<i>FALSE</i>	##### ####
caption	string	No	<i>n/a</i>	#####
fgcolor	string	No	<i>n/a</i>	#####
bgcolor	string	No	<i>n/a</i>	#####
textcolor	string	No	<i>n/a</i>	##### ####
capcolor	string	No	<i>n/a</i>	##### #####
closecolor	string	No	<i>n/a</i>	close#####
textfont	string	No	<i>n/a</i>	##### #####
captionfont	string	No	<i>n/a</i>	#####
closefont	string	No	<i>n/a</i>	“Close” #####
textsize	string	No	<i>n/a</i>	#####
captionsize	string	No	<i>n/a</i>	#####
closesize	string	No	<i>n/a</i>	“Close” ##### ###
width	integer	No	<i>n/a</i>	#####
height	integer	No	<i>n/a</i>	#####
left	boolean	No	<i>FALSE</i>	##### #
right	boolean	No	<i>FALSE</i>	##### #
center	boolean	No	<i>FALSE</i>	##### #
above	boolean	No	<i>FALSE</i>	##### # (#: height##### #####)
below	boolean	No	<i>FALSE</i>	##### #
border	integer	No	<i>n/a</i>	#####

###	#	##	#####	##
offsetx	integer	No	n/a	##### ##### ##
offsety	integer	No	n/a	##### ##### ##
fgbackground	url to image	No	n/a	##### #####
bgbackground	url to image	No	n/a	##### ##### (#:bgcolor # color # “” ##### #) (#:Close##### ####Netscape #### #####) #####)
closetext	string	No	n/a	“Close” ##### #####
noclose	boolean	No	n/a	sticky###true##### ##### “Close” ##### #
status	string	No	n/a	##### #####
autostatus	boolean	No	n/a	##### ##### # (#: status##### #####)
autostatuscap	string	No	n/a	##### ##### #### (#: status# autostatus##### #####)
inarray	integer	No	n/a	overlib.js ##### ol_array ##### ##### text ### ## (#####text# #####)
caparray	integer	No	n/a	overlib.js ##### ol_caps ##### ##### caption # ####
capicon	url	No	n/a	##### #####
snapx	integer	No	n/a	##### #####

###	#	##	#####	##
snapy	integer	No	n/a	##### #####
fixx	integer	No	n/a	##### ## (#. ##### ##### ##)
fixy	integer	No	n/a	##### ## (#. ##### ##### ##)
background	url	No	n/a	##### #####
padx	integer,integer	No	n/a	##### ##### (#. #####)
pady	integer,integer	No	n/a	##### ##### (#. #####)
fullhtml	boolean	No	n/a	#####HTML### ##### (HTML #### “text” ##### #)
frame	string	No	n/a	##### ##### (### overlib#####)
function	string	No	n/a	#### Javascript ## ##### #####
delay	integer	No	n/a	##### ##### (## #) #####
hauto	boolean	No	n/a	##### ##### #####
vauto	boolean	No	n/a	##### ##### #####

Example 8.25. {popup}

```

{* popup_init##### *}
{popup_init src='/jascripts/overlib.js'}

{* ##### *}
<a href="mypage.html" {popup text='This link takes you to my page!'}>mypage</a>

{* popup#text#html#links##### *}
<a href="mypage.html" {popup sticky=true caption='mypage contents'
text="<ul><li>links</li><li>pages</li><li>images</li></ul>"
snapx=10 snapy=10 trigger='onClick'}>mypage</a>

{* ##### *}
<tr><td {popup caption='Part details' text=$part_long_description}>{$part_number}<

{capture} #####

{popup_init} ### overLib [http://www.bosrup.com/web/overlib/] #####

```

{popup_init}

```

{popup} ##### overLib [http://www.bosrup.com/web/overlib/] ##### ###
#####

• {popup_init} ## {popup} ##### <head> #####
#####

• #####

• overLib [http://www.bosrup.com/web/overlib/] ##### Erik Bosrup #####/##### http://
www.bosrup.com/web/overlib/ ###

```

Example 8.26. {popup_init}

```

<head>
{* popup_init ##### *}
{popup_init src='jascripts/overlib/overlib.js'}

{* ##### url ## *}
{popup_init src='http://myserver.org/my_js_libs/overlib/overlib.js'}
</head>

// #####
<head>
<div id="overDiv" style="position:absolute; visibility:hidden; z-index:1000;"></div>
<script type="text/javascript" language="JavaScript" src="jascripts/overlib/overlib.js">
</script>
</head>

```

XHTML ###

```
{popup_init} # strict #####strict ##### document type does not allow
element "div" here; ##### (<div> ### <head> #####)# ##
##<script> ### <div> #####
```

{textformat}

```
{textformat} ## #####
#####
```

```
##### "email" #####
```

###	#	##	####	##
style	string	No	<i>n/a</i>	#####
indent	number	No	<i>0</i>	##### #
indent_first	number	No	<i>0</i>	##### ###
indent_char	string	No	(#####)	##### #####(#####)
wrap	number	No	<i>80</i>	##### #####
wrap_char	string	No	<i>\n</i>	##### (#####)
wrap_cut	boolean	No	<i>FALSE</i>	TRUE ##### ##### #####
assign	string	No	<i>n/a</i>	##### ###

```
{textformat wrap=40}
```

```
This is foo.  
This is foo. #####  
-----  
This is foo.  
This is foo.
```

Example 8.27. {textformat}

```
This is foo.

This is foo. This is foo. This is foo.
This is bar:
This is foo. This is foo. This is foo.

bar foo bar foo    foo.
This is bar. foo
{textformat wrap=40 indent=4}
bar foo bar foo    foo.
##### bar foo bar foo    foo. bar foo bar foo
bar foo bar foo    foo. bar foo bar
bar foo bar foo    foo. bar foo
bar foo bar foo    foo. bar foo
bar foo bar foo    foo.
This is foo.

This is foo.
{/textformat}
This is foo.

This is foo. This is foo. This is
This is bar:
foo. This is foo. This is foo. This
is foo bar foo    foo.
bar foo bar foo    foo.
This is bar. foo
bar foo bar foo    foo.
##### bar foo bar foo    foo. bar foo
bar foo bar foo    foo. bar foo
bar foo bar foo    foo. bar foo bar
bar foo bar foo    foo. bar foo bar
This is foo.
{/textformat}
This is foo.

This is foo.
This is foo. This is foo. This
is foo. This is foo. This is foo.
This is bar:
This is foo.

bar foo bar foo    foo.
This is bar. foo
bar foo bar foo    foo.
##### bar foo bar foo    foo. bar
bar foo bar foo    foo. bar
foo foo. bar foo
bar foo bar foo    foo. bar foo bar foo
bar foo bar foo    foo. bar foo
bar foo bar foo    foo. bar foo
bar foo bar foo    foo.
This is foo.
{/textformat}
This is foo.

This is foo. This is foo. This is foo. This is
foo.

bar foo bar foo    foo.
This is bar. foo
bar foo bar foo    foo.

bar foo bar foo    foo. bar foo bar foo foo. bar foo
##### bar foo bar foo    foo. bar
bar foo bar foo    foo. bar foo bar foo
bar foo bar foo    foo. bar foo bar foo
bar foo bar foo    foo.
bar foo bar foo    foo.

{/textformat}
```

#####

```
{strip} ### wordwrap #####
```

Chapter 9.

```
#####  
## #####  
#####
```

Example 9.1.

```
# #####  
pageTitle = "Main Menu"  
bodyBgColor = #000000  
tableBgColor = #000000  
rowBgColor = #00ff00  
  
[Customer]  
pageTitle = "Customer Info"  
  
[Login]  
pageTitle = "Login"  
focus = "username"  
Intro = ""This is a value that spans more  
        than one line. you must enclose  
        it in triple quotes.""  
  
# #####  
[.Database]  
host=my.example.com  
db=ADDRESSBOOK  
user=php-user  
pass=foobar  
  
#####(#####)# #####  
#####(" ") ##### # (###) #####  
  
#####[]####[####] #####  
#####(#####)#####  
#####  
##### $config_overwrite #####  
  
##### {config_load} #### API ## config_load() #####  
  
[.hidden] #####  
#####(DB#####)#####  
## #####  
  
{config_load}# $config_overwrite# get_config_vars()# clear_config() ##  
config_load() #####
```

Chapter 10.

```
Smarty #####  
#### ## #####Smarty ##### debug.tpl #####  
###
```

```
debug.tpl (##### SMARTY_DIR #####) # $debug_tpl #####  
Smarty # $debugging # TRUE ##### Javascript #####  
#####
```

```
##### {debug} ##### $debugging #  
FALSE ##### $debugging_ctrl # URL ### SMARTY_DEBUG  
##### .
```

#####

```
fetch() API ##### display() #####  
##### Javascript #####Javascript ##### debug.tpl ###  
##### debug.tpl #####
```

Note

#####

```
##### $error_reporting ### trigger_error() #####
```

Part III. ##### Smarty

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#####	209
###	209
#####	210
#####	210
#####	212
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#####	215
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#####	218
#####	219

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Chapter 11.

SMARTY_DIR

```
#####Smarty #####  
### #####
```

Example 11.1. SMARTY_DIR

```
<?php  
// Smarty#####*nix#####  
define('SMARTY_DIR', '/usr/local/lib/php/Smarty-v.e.r/libs/');  
  
// Smarty####windows#####  
define('SMARTY_DIR', 'c:/webroot/libs/Smarty-v.e.r/libs/');  
  
// 'S'#####smarty#####  
require_once(SMARTY_DIR . 'Smarty.class.php');  
?>
```

```
$smarty.const ### $php_handling ## #####
```

SMARTY_CORE_DIR

```
#####Smarty #####  
internals/ #####  
#####
```

Example 11.2. SMARTY_CORE_DIR

```
<?php  
  
// core.get_microtime.php #####  
require_once(SMARTY_CORE_DIR . 'core.get_microtime.php');  
  
?>
```

```
$smarty.const #####
```

Chapter 12. Smarty

\$template_dir

```
#####  
./templates ## ##### templates/ #####  
  
#####  
  
#####web#####
```

\$compile_dir

```
##### ./templates_c ## ##### PHP #####  
templates_c/ ##### web #####  
#####  
  
#####  
  
##### include_path #####  
  
#####  
  
#####web#####  
  
$compile_id ### $use_sub_dirs #####
```

\$config_dir

```
##### ##### ./configs ##### PHP #####  
configs/ #####  
  
#####  
  
#####web#####
```

\$plugins_dir

```
Smarty##### SMARTY_DIR ## plugins/ ## #####  
##### SMARTY_DIR #####PHP#include_path#####  
$plugins_dir #####Smarty #####  
  
#####  
  
#####$plugins_dir ## PHP #####  
SMARTY_DIR #####
```


Example 12.1. #####

```
<?php
$smarty->plugins_dir[] = 'includes/my_smarty_plugins';
?>
```

Example 12.2. ### \$plugins_dir

```
<?php
$smarty->plugins_dir = array(
    'plugins', // ##### SMARTY_DIR ###
    '/path/to/shared/plugins',
    '../../../../includes/my/plugins'
);
?>
```

\$debugging

```
##### javascript ##### {assign} #####
#####url ## $debugging_ctrl #####
{debug}# $debug_tpl# ### $debugging_ctrl #####
```

\$debug_tpl

```
##### debug_tpl ##### SMARTY_DIR #####
$debugging ### #####
```

\$debugging_ctrl

```
##### $debugging ##### NONE ##### URL ##QUERY_STRING
##### SMARTY_DEBUG ##### $debugging # TRUE #####
#####
```

Example 12.3. localhost ## \$debugging_ctrl

```
<?php
// localhost #####
// http://localhost/script.php?foo=bar&SMARTY_DEBUG
// #####
$smarty->debugging = false; // #####
$smarty->debugging_ctrl = ($_SERVER['SERVER_NAME'] == 'localhost') ? 'URL' : 'NONE'
?>
```

```
##### ## $debugging #####
```

\$autoload_filters

```
##### Smarty #####
#####
```

```
<?php
$smarty->autoload_filters = array('pre' => array('trim', 'stamp'),
                                'output' => array('convert'));
?>
```

```
register_outputfilter()# register_prefilter()# register_postfilter() ##
load_filter() #####
```

\$compile_check

```
Smarty#PHP#####
#####
##### TRUE ##
```

```
##### ## compile_check# #####
##### $compile_check # FALSE ##### FALSE #####
##### $caching# $compile_check #####
##### ## $force_compile ## clear_compiled_tpl()
#####
```

\$force_compile

```
#####(#####)##### ## $compile_check #####
##### ## ##### ## $caching #####
```

\$caching

```
##### $cache_dir ##### 0 #####
##### $caching #####
```

```
### #####

• ##### 1 ### 2 #####

• 1 ##Smarty ##### $cache_lifetime #####

• 2 ##Smarty ##### $cache_lifetime #####
##### ##### ## ##### $cache_lifetime ##### is_cached() #####

• $compile_check #####

• $force_compile #####

$cache_dir# $cache_lifetime# $cache_handler_func# $cache_modified_check#
is_cached() ### #####
```

\$cache_dir

```
##### ./cache ## #####PHP##### cache/ #####
##### ##### web #####

##### $use_sub_dirs #####

#####

##### include_path #####

#####

#####web#####

$caching# $use_sub_dirs# $cache_lifetime# $cache_handler_func#
$cache_modified_check ### #####
```

\$cache_lifetime

```
#####(####)#####

• $cache_lifetime ##### $caching #### (1 ##### 2 #####) #####

• $cache_lifetime ### -1 #####

• ##### 0 ##### (##### $caching = 0
#####)#

• ##### $caching = 2 ##### display() #### fetch() #####
$cache_lifetime #####

$force_compile ##### clear_all_cache() #
#####clear_cache() ##### (####) #####
```

\$cache_handler_func

```
$cache_dir. ##### cache #####
#####
```

\$cache_modified_check

```
TRUE #####Smarty ##### If-Modified-Since #####
##### '304: Not Modified' ##### {insert} ##
#####
```

```
$caching# $cache_lifetime# $cache_handler_func ### #####
```

\$config_overwrite

```
TRUE ##### (##### TRUE)# FALSE #####
#####
```

Example 12.4.

```
##### $config_overwrite = FALSE ### {cycle} ##### #/# #
```

```
#####
```

```
# row colors
rowColors = #FF0000
rowColors = #00FF00
rowColors = #0000FF
```

```
{section} #####
```

```
<table>
  {section name=r loop=$rows}
  <tr bgcolor="{cycle values=#rowColors#}">
    <td> ....#####.... </td>
  </tr>
  {/section}
</table>
```

```
{config_load}# get_config_vars()# clear_config()# config_load() ### config
files section #####
```

\$config_booleanize

```
TRUE ##### # on/true/yes # off/false/no ##### boolean #####
## {if #foobar#}...{/if} #####foobar # on#true ### yes ##### {if} ###
##### TRUE ###
```

\$config_read_hidden

```
TRUE ##### #hidden##### ##### FALSE ##
#####
##### FALSE ###
```

\$config_fix_newlines

```
TRUE #####mac # dos ##### ('\r' # '\r\n') ##### '\n' ##### is
TRUE ###
```

\$default_template_handler_func

```
#####
```

\$php_handling

```
##### PHP ##### SMARTY_PHP_PASSTHRU ### #####
## {php}{/php} #####PHP#####
```

- SMARTY_PHP_PASSTHRU - PHP#####
- SMARTY_PHP_QUOTE - PHP###HTML#####
- SMARTY_PHP_REMOVE - PHP#####
- SMARTY_PHP_ALLOW - PHP#####

Note

```
#####PHP##### ##### ##### ## ## #####
```

\$security

```
$security # TRUE ### FALSE #### ##### FALSE #####
##### (###FTP###) #####
$security_settings #####
```

- If \$php_handling # SMARTY_PHP_ALLOW ##### SMARTY_PHP_PASSTHRU #####
- PHP ## {if} ##### \$security_settings #####
- ##### \$secure_dir #####
- ##### \$secure_dir ##### {fetch} #####
- {php}{/php} #####
- PHP ##### \$security_settings #####

\$secure_dir

```
##### {include} ### {fetch} ##$security #####
#####
```

Example 12.5. \$secure_dir

```
<?php
$secure_dirs[] = '/path/to/site/root/templates/';
$secure_dirs[] = '/path/to/includes/';
$smarty->secure_dir = $secure_dirs;
?>
```

```
$security_settings ### $trusted_dir #####
```

\$security_settings

```
$security #####
```

- PHP_HANDLING - boolean#TRUE ##### \$php_handling #####
- IF_FUNCS - ### {if} ##### PHP #####
- INCLUDE_ANY - boolean#TRUE #### \$secure_dir #####
#####
- PHP_TAGS - boolean#TRUE ##### {php} {/php} #####
- MODIFIER_FUNCS - ### ##### PHP #####
- ALLOW_CONSTANTS - boolean#TRUE ##### {\$smarty.const.FOO} #####
#####

\$trusted_dir

```
$trusted_dir ## $security #####  
##### {include_php} ##### PHP #####
```

\$left_delimiter

```
##### { ###  
$right_delimiter ### Smarty #####
```

\$right_delimiter

```
##### } ###
```

\$left_delimiter ### Smarty #####

\$compiler_class

Smarty ##### 'Smarty_Compiler' ### #####

\$request_vars_order

#####php.ini#variables_order#####

\$smarty.request ### *\$request_use_auto_globals* #####

\$request_use_auto_globals

Smarty ##PHP # \$HTTP_*_VARS[] ##### (FALSE ##) #### \$_*[] ##### (TRUE ##) ####
\$_*[] ##### {*\$smarty.request.**}, {*\$smarty.get.**} ####
#####

##

\$request_use_auto_globals # true ##### *\$request_vars_order* #####
##PHP #### gpc_order #####

\$error_reporting

null ##### display() # fetch() #### PHP # error_reporting [http://
php.net/error_reporting] #####

trigger_error()# #####

\$compile_id

id ##### *\$compile_id* ##### *\$compile_id*

\$compile_id ##### *\$compile_dir* #### *\$template_dirs* ##### ##
\$compile_id ##### *\$template_dir* #####Smarty ##### *\$compile_id* ##
####

(#####) ## prefilter #####*\$compile_id*

#####/#####

Example 12.6. ##### \$compile_id

```
<?php

$smarty->compile_id = $_SERVER['SERVER_NAME'];
$smarty->compile_dir = '/path/to/shared_compile_dir';

?>
```

\$use_sub_dirs

```
$use_sub_dirs # TRUE ##### Smarty # ##### # ##### # #####
### FALSE ### #####
#####PHP#####

#####10#####100#####1#####
1000 ##### Solaris 7 (UFS) #####.....# ext3 # reiserfs
#####
```

#####

- \$use_sub_dirs=true ## safe_mode=On [http://php.net/features.safe-mode] #####
 - ##safe_mode ##### off ###
- \$use_sub_dirs=true ##Windows #####
- Safe_mode ##PHP6 #####

```
$compile_id# $cache_dir ### $compile_dir #####
```

\$default_modifiers

```
##### # HTML#####
array('escape:"htmlall"') ##### {$var|smarty:nodefaults} ###
nodefaults ##### smarty #####
```

\$default_resource_type

```
##### file ## ## $smarty->display('index.tpl') #
$smarty->display('file:index.tpl') #####
```

Chapter 13. Smarty

Name

append() — #####

##

```
void append(mixed var);
```

```
void append(string varname,
             mixed var,
             bool merge);
```

```
#####
##### TRUE #####
#####
```

#####

```
merge #####
#####PHP # array_merge() [http://php.net/
array_merge] #####
```

Example 13.1. append

```
<?php
// ##### assign() #####
$smarty->append('foo', 'Fred');
// #####foo #####
$smarty->append('foo', 'Albert');

$array = array(1 => 'one', 2 => 'two');
$smarty->append('X', $array);
$array2 = array(3 => 'three', 4 => 'four');
// ## X #####
$smarty->append('X', $array2);

// #####
$smarty->append(array('city' => 'Lincoln', 'state' => 'Nebraska'));
?>
```

```
append_by_ref()# assign() ### get_template_vars() #####
```

Name

append_by_ref() — #####

##

```
void append_by_ref(string varname,
                  mixed var,
                  bool merge);
```

```
##### ## #### #####
append_by_ref() #####PHP #####
##### TRUE #####
```

```
#####
```

```
merge #####
#####PHP # array_merge() [http://php.net/
array_merge] #####
```

Example 13.2. append_by_ref

```
<?php
// ##/# #####
$smarty->append_by_ref('Name', $myname);
$smarty->append_by_ref('Address', $address);
?>
```

```
append()# assign() ### get_template_vars() #####
```

Name

assign() — #####

##

```
void assign(mixed var);
```

```
void assign(string varname,  
             mixed var);
```

#####/#####

Example 13.3. assign()

```
<?php
// ##/#####
$smarty->assign('Name', 'Fred');
$smarty->assign('Address', $address);

// #####
$smarty->assign(array('city' => 'Lincoln', 'state' => 'Nebraska'));

// #####
$myArray = array('no' => 10, 'label' => 'Peanuts');
$smarty->assign('foo', $myArray);

// ##### (#: adodb) #####
$sql = 'select id, name, email from contacts where contact = '.$id;
$smarty->assign('contact', $db->getRow($sql));
?>

#####

{* #####php ##### *}
{$Name}
{$Address}
{$city}
{$state}

{$foo.no}, {$foo.label}
{$contact.id}, {$contact.name}, {$contact.email}

##### {foreach} ### {section} #####

assign_by_ref()# get_template_vars()# clear_assign()# append() ###
{assign} #####
```

Name

assign_by_ref() — #####

##

```
void assign_by_ref(string varname,
                   mixed var);
```

```
##### ##### ### #####PHP #####
```

```
#####
```

```
#####
objects #####assign_by_ref() ##### PHP #####
#####
```

Example 13.4. assign_by_ref()

```
<?php
// ##/#####
$smarty->assign_by_ref('Name', $myname);
$smarty->assign_by_ref('Address', $address);
?>
```

```
assign()# clear_all_assign()# append()# {assign} ### get_template_vars() #
#####
```

Name

clear_all_assign() — #####

##

```
void clear_all_assign();
```

Example 13.5. clear_all_assign()

```
<?php
// ##/#####
$smarty->assign('Name', 'Fred');
$smarty->assign('Address', $address);

// #####
print_r( $smarty->get_template_vars() );

// #####
$smarty->clear_all_assign();

// #####
print_r( $smarty->get_template_vars() );

?>
```

```
clear_assign()#clear_config()#get_template_vars()#assign()###append()
#####
```

Name

clear_all_cache() — #####

##

```
void clear_all_cache(int expire_time);
```

```
#####
```

Example 13.6. clear_all_cache

```
<?php
// #####
$smarty->clear_all_cache();

// #####
$smarty->clear_all_cache(3600);
?>
```

```
clear_cache()# is_cached() ### #####
```

Name

clear_assign() — #####

##

```
void clear_assign(mixed var);  
#####
```

Example 13.7. clear_assign()

```
<?php  
// #####  
$smarty->clear_assign('Name');  
  
// #####  
$smarty->clear_assign(array('Name', 'Address', 'Zip'));  
?>
```

```
clear_all_assign()# clear_config()# get_template_vars()# assign() ###  
append() #####
```


Name

`clear_cache()` — #####

Description

```
void clear_cache(string template,
                 string cache_id,
                 string compile_id,
                 int expire_time);
```

- If you have multiple caches for a template, you can clear a specific cache by supplying the *cache_id* as the second parameter.
- You can also pass a *\$compile_id* as a third parameter. You can group templates together so they can be removed as a group, see the caching section for more information.
- As an optional fourth parameter, you can supply a minimum age in seconds the cache file must be before it will get cleared.

Example 13.8. `clear_cache()`

```
<?php
// clear the cache for a template
$smarty->clear_cache('index.tpl');

// clear the cache for a particular cache id in an multiple-cache template
$smarty->clear_cache('index.tpl', 'MY_CACHE_ID');
?>
```

See also `clear_all_cache()` and caching section.

Name

clear_compiled_tpl() — #####

##

```
void clear_compiled_tpl(string tpl_file,
                        string compile_id,
                        int exp_time);

#####
$compile_id ##### $compile_id #####exp_time ##### exp_time #####
#####
###
```

Example 13.9. clear_compiled_tpl()

```
<?php
// #####
$smarty->clear_compiled_tpl('index.tpl');

// #####
$smarty->clear_compiled_tpl();
?>
```

clear_cache() #####

Name

clear_config() — #####

##

```
void clear_config(string var);
```

```
#####
```

Example 13.10. clear_config()

```
<?php
// #####
$smarty->clear_config();

// #####
$smarty->clear_config('foobar');
?>
```

```
get_config_vars()# config variables# config files# {config_load}#
config_load()### clear_assign() #####
```

Name

config_load() — #####

##

```

void config_load(string file,
                 string section);

##### {config_load} #####

#####

Smarty 2.4.0##### fetch() ### display() #####
config_load() #####
##### $force_compile # $compile_check #####

```

Example 13.11. config_load()

```

<?php
// #####
$smarty->config_load('my.conf');

// #####
$smarty->config_load('my.conf', 'foobar');
?>

```

```
{config_load}#get_config_vars()#clear_config() ### #####
```

Name

display() — #####

##

```

void display(string template,
             string cache_id,
             string compile_id);

##### (fetch() #####)# ##### #####
##### ####ID ##### ## #####

##### $compile_id ##### #####
##### $compile_id ##### $template_dir #####
$compile_dir ##### $template_dir #### $compile_id #####
##### ##### compile_id ##### $compile_id #####

```

Example 13.12. display()

```

<?php
include(SMARTY_DIR.'Smarty.class.php');
$smarty = new Smarty();
$smarty->caching = true;

// #####
if(!$smarty->is_cached('index.tpl')) {

    // #####
    $address = '245 N 50th';
    $db_data = array(
        'City' => 'Lincoln',
        'State' => 'Nebraska',
        'Zip' => '68502'
    );

    $smarty->assign('Name', 'Fred');
    $smarty->assign('Address', $address);
    $smarty->assign('data', $db_data);

}

// #####
$smarty->display('index.tpl');
?>

```

Example 13.13. display() #####

```
$template_dir #####
```

```
<?php
// #####
$smarty->display('/usr/local/include/templates/header.tpl');

// ##### (####)
$smarty->display('file:/usr/local/include/templates/header.tpl');

// windows##### (####"file:"#####)
$smarty->display('file:C:/www/pub/templates/header.tpl');

// "db"#####
$smarty->display('db:header.tpl');
?>
```

```
fetch() ### template_exists() #####
```

Name

fetch() — #####

##

```
string fetch(string template,
             string cache_id,
             string $compile_id);
```

```
#####
##### #####ID #####
```

```
##### $compile_id #####
##### $compile_id ##### $template_dir #####
$compile_dir ##### $template_dir ##### $compile_id #####
##### compile_id ##### $compile_id #####
```

Example 13.14. fetch()

```
<?php
include('Smarty.class.php');
$smarty = new Smarty;

$smarty-> caching = true;

// #####
if(!$smarty->is_cached('index.tpl')) {

    // #####
    $address = '245 N 50th';
    $db_data = array(
        'City' => 'Lincoln',
        'State' => 'Nebraska',
        'Zip' => '68502'
    );

    $smarty->assign('Name', 'Fred');
    $smarty->assign('Address', $address);
    $smarty->assign($db_data);

}

// #####
$output = $smarty->fetch('index.tpl');

// ##$output#####
echo $output;
?>
```

Example 13.15. Email ##### fetch() #####

```
email_body.tpl #####
```

```
Dear {$contact.name},
```

```
Welcome and thankyou for signing up as a member of our user group,
```

```
Click on the link below to login with your user name of '{$contact.login_id}'
so you can post in our forums.
```

```
http://{$smarty.server.SERVER_NAME}/login/
```

```
List master
```

```
Some user group
```

```
{include file='email_disclaimer.tpl'}
```

```
{textformat} ##### email_disclaimer.tpl
```

```
{textformat wrap=40}
```

```
Unless you are named "{$contact.name}", you may read only the "odd numbered
words" (every other word beginning with the first) of the message above. If you ha
violated that, then you hereby owe the sender 10 GBP for each even
numbered word you have read
```

```
{/textformat}
```

```
PHP # mail() [http://php.net/function.mail] #####PHP#####
```

```
<?php
```

```
// pear # adodb #####
```

```
$query = 'select name, email, login_id from contacts where contact_id='{$contact_
```

```
$contact = $db->getRow($sql);
```

```
$smarty->assign('contact', $contact);
```

```
mail($contact['email'], 'Subject', $smarty->fetch('email_body.tpl'));
```

```
?>
```

```
{fetch}#display()# {eval}# ## template_exists() #####
```


Name

get_config_vars() — #####

##

```
array get_config_vars(string varname);
```

```
#####
```

Example 13.16. get_config_vars()

```
<?php
```

```
// #####
```

```
$myVar = $smarty->get_config_vars('foo');
```

```
// #####
```

```
$all_config_vars = $smarty->get_config_vars();
```

```
// #####
```

```
print_r($all_config_vars);
```

```
?>
```

```
clear_config()# {config_load}# config_load() ### get_template_vars() #####
```

```
#####
```

Name

get_registered_object() — #####

##

```
array get_registered_object(string object_name);  
#####
```

Example 13.17. get_registered_object()

```
<?php  
function smarty_block_foo($params, &$smarty)  
{  
    if (isset($params['object'])) {  
        // #####  
        $obj_ref = &$smarty->get_registered_object($params['object']);  
        // #####$obj_ref#####  
    }  
}  
?>
```

```
register_object()#unregister_object() ### #####
```

Name

get_template_vars() — #####

##

```
array get_template_vars(string varname);
```

```
#####
```

Example 13.18. get_template_vars

```
<?php
// #####'foo'#####
$myVar = $smarty->get_template_vars('foo');

// #####
$all_tpl_vars = $smarty->get_template_vars();

// #####
print_r($all_tpl_vars);
?>
```

```
assign()# {assign}# append()# clear_assign()# clear_all_assign() ###
get_config_vars() #####
```

Name

is_cached() — #####true#####

##

```
bool is_cached(string template,
               string cache_id,
               string compile_id);
```

- ##### \$caching # TRUE #####
- ##### \$cache_id #####
- ##### \$compile_id ##### \$compile_id #####
- \$cache_id ##### \$compile_id ##### \$cache_id # NULL #####

#####

```
is_cached() # TRUE #####
display() ## fetch() #####
## is_cached() ##### display() #####
##### is_cached() # TRUE ##### clear_cache() #####
#####
```

Example 13.19. is_cached()

```
<?php
$smarty->caching = true;

if(!$smarty->is_cached('index.tpl')) {
// #####
}

$smarty->display('index.tpl');
?>
```

Example 13.20. ##### is_cached()

```
<?php
$smarty-> caching = true;

if(!$smarty->is_cached('index.tpl', 'FrontPage')) {
    // #####
}

$smarty->display('index.tpl', 'FrontPage');
?>
```

```
clear_cache()#clear_all_cache() ### #####
```

Name

load_filter() — #####

##

```
void load_filter(string type,  
                 string name);
```

```
#####pre#post####output#####  
(#: 'trim')
```

Example 13.21.

```
<?php
```

```
// 'trim'#####  
$smarty->load_filter('pre', 'trim');
```

```
// 'datefooter'#####  
$smarty->load_filter('pre', 'datefooter');
```

```
// 'compress'#####  
$smarty->load_filter('output', 'compress');
```

```
?>
```

```
register_prefilter()# register_postfilter()# register_outputfilter()#  
$autoload_filters#######
```

Name

register_block() — #####

##

```
void register_block(string name,
                    mixed impl,
                    bool cacheable,
                    mixed cache_attrs);
```

PHP

PHP ##### *function* #####

- #####
- array(&\$object, \$method) ##### #&\$object ##### \$method #####
- array(\$class, \$method) ##### #&\$class ##### \$method #####

cacheable # *cache_attrs* #####
#####

Example 13.22. register_block()

```
<?php
// #####
function do_translation ($params, $content, &$smarty, &$repeat)
{
    if (isset($content)) {
        $lang = $params['lang'];
        // $content #####
        return $translation;
    }
}

// smarty #####
$smarty->register_block('translate', 'do_translation');
?>
```

#####

```
{translate lang='br'}Hello, world!{/translate}
```

```
unregister_block() ### #####
```

Name

register_compiler_function() — #####

##

```
bool register_compiler_function(string name,  
                                mixed impl,  
                                bool cacheable);
```

PHP

PHP ##### *function* #####

- #####
 - array(&\$object, \$method) ##### #&\$object ##### \$method #####
 - array(\$class, \$method) ##### #&\$class ##### \$method #####
- cacheable* ##### ##### #####
- unregister_compiler_function() ### #####

Name

register_function() — #####

##

```

void register_function(string name,
                       mixed impl,
                       bool cacheable,
                       mixed cache_attrs);

```

PHP

PHP ##### *function* #####

- #####
- array(&\$object, \$method) ##### #&\$object ##### \$method #####
- array(\$class, \$method) ##### #&\$class ##### \$method #####

```

cacheable # cache_attrs ## ##### #
##### #
##### #

```

Example 13.23. register_function()

```

<?php
$smarty->register_function('date_now', 'print_current_date');

function print_current_date($params, &$smarty)
{
    if(empty($params['format'])) {
        $format = "%b %e, %Y";
    } else {
        $format = $params['format'];
    }
    return strftime($format,time());
}
?>

```

#####

{date_now}

```

{* ##### *}
{date_now format="%Y/%m/%d"}

```

unregister_function() ### #####

Name

register_modifier() — #####

##

```
void register_modifier(string name,
                        mixed impl);
```

#####PHP#####

PHP ##### *function* #####

- #####
- array(&\$object, \$method) ##### &\$object ##### \$method #####
- array(\$class, \$method) ##### \$class ##### \$method #####

Example 13.24. register_modifier()

```
<?php
// php#stripslashes#####
$smarty->register_modifier('ss', 'stripslashes');
?>
```

#####ss#####

```
<?php
{$var|ss}
?>
```

```
unregister_modifier()# register_function()# ##### Smarty ### ### #####
#####
```

Name

register_object() — #####

##

```
void register_object(string object_name,  
                    object object,  
                    array allowed_methods_properties,  
                    boolean format,  
                    array block_methods);
```

#####

get_registered_object() ### unregister_object() #####

Name

register_outputfilter() — #####

##

```
void register_outputfilter(mixed function);
```

```
##### ## #####  
###
```

PHP ##### *function* #####

- #####
- array(&\$object, \$method) ##### #&\$object ##### \$method #####
- array(\$class, \$method) ##### #&\$class ##### \$method #####

```
#####
```

```
##### function # array(&$object, $method) ##### ## $method ###  
##### function #####
```

```
unregister_outputfilter()#load_filter()#$autoload_filters ### ##### #  
#####
```

Name

register_postfilter() — #####

##

```
void register_postfilter(mixed function);
```

```
#####
```

PHP ##### *function* #####

- #####
- array(&\$object, \$method) ##### #&\$object ##### \$method #####
- array(\$class, \$method) ##### #&\$class ##### \$method #####

```
#####
```

```
##### function # array(&$object, $method) ##### ## $method ####  
##### function #####
```

```
unregister_postfilter()#          register_prefilter()#          load_filter()#  
$autoload_filters ### #####
```

Name

register_prefilter() — #####

##

```
void register_prefilter(mixed function);
```

```
#####
```

```
PHP ##### function #####
```

- #####
- array(&\$object, \$method) ##### #&\$object ##### \$method #####
- array(\$class, \$method) ##### #&\$class ##### \$method #####

```
#####
```

```
##### function# array(&$object, $method) ##### ## $method ####  
##### function #####
```

```
unregister_prefilter()# register_postfilter()# register_outputfilter()#  
load_filter()# $autoload_filters ### #####
```

Name

register_resource() — #####

##

```
void register_resource(string name,
                      array resource_funcs);
```

```
#####
##### PHP #####
#####
```

```
#####
```

```
#####$smarty->display('c:/path/
to/index.tpl'); #####
```

- PHP##### *resource_funcs* #####
- #####source# timestamp#secure ### trusted #####
- #####
source#timestamp#secure ### trusted #####

Example 13.25. register_resource()

```
<?php
$smarty->register_resource('db', array(
    'db_get_template',
    'db_get_timestamp',
    'db_get_secure',
    'db_get_trusted')
);

?>
```

```
unregister_resource() ### #####
```

Name

trigger_error() — #####

##

```
void trigger_error(string error_msg,  
                  int level);
```

```
Smarty##### level #####PHP # trigger_error() [http://php.net/  
trigger_error] ##### (E_USER_NOTICE # E_USER_WARNING ##) #####  
E_USER_WARNING ###
```

```
$error_reporting# debugging ### #####
```


Name

template_exists() — #####

##

```
bool template_exists(string template);
```

```
#####
```

Example 13.26. template_exists()

```
##### ##### ## $ _GET[ 'page' ] ##### #####
#### ## page_container.tpl ##
```

```
<html>
<head><title>{$title}</title></head>
<body>
{include file='page_top.tpl'}

{* ##### *}
{include file=$content_template}

{include file='page_footer.tpl'}
</body>
```

```
#####
```

```
<?php

// index.inc.tpl #####
$mid_template = $_GET['page'].'.inc.tpl';

if( !$smarty->template_exists($mid_template) ){
    $mid_template = 'page_not_found.tpl';
}
$smarty->assign('content_template', $mid_template);

$smarty->display('page_container.tpl');

?>
```

```
display()# fetch()# {include} ### {insert} #####
```

Name

unregister_block() — #####

##

```
void unregister_block(string name);  
#####  
register_block() ### #####
```

Name

unregister_compiler_function() — #####

##

```
void unregister_compiler_function(string name);
```

```
#####
```

```
register_compiler_function() ### #####
```

Name

unregister_function — #####

##

```
void unregister_function(string name);  
#####
```

Example 13.27. unregister_function

```
<?php  
  
// #####  
$smarty->unregister_function('fetch');  
  
?>  
  
register_function() #####
```

Name

unregister_modifier() — #####

##

```
void unregister_modifier(string name);  
#####
```

Example 13.28. unregister_modifier()

```
<?php  
  
// #####  
$smarty->unregister_modifier('strip_tags');  
  
?>  
  
register_modifier() ### #####
```

Name

unregister_object() — #####

##

```
void unregister_object(string object_name);  
register_object() ### #####
```

Name

unregister_outputfilter() — #####

##

```
void unregister_outputfilter(string function_name);  
#####  
register_outputfilter() ### #####
```

Name

unregister_postfilter() — #####

##

```
void unregister_postfilter(string function_name);  
register_postfilter() ### #####
```


Name

unregister_prefilter() — #####

##

```
void unregister_prefilter(string function_name);  
register_prefilter() ### #####
```

Name

unregister_resource() — #####

##

```
void unregister_resource(string name);  
#####
```

Example 13.29. unregister_resource()

```
<?php  
  
$smarty->unregister_resource('db');  
  
?>  
  
register_resource() ### #####
```

Chapter 14.

```
##### display() ## fetch() #####  
##### ##### display() #  
# fetch() #####  
  
##### ##Web#####  
#### ##### ##  
#####
```

#####

```
##### $caching = 1 (#### 2) #####
```

Example 14.1.

```
<?php  
require('Smarty.class.php');  
$smarty = new Smarty;  
  
$smarty->caching = 1;  
  
$smarty->display('index.tpl');  
?>
```

```
##### display('index.tpl') #####  
##### $cache_dir ##### display('index.tpl') #####  
#####
```

#####

```
$cache_dir ##### .php #####PHP#####  
#### #####
```

```
##### $cache_lifetime ##### 3600 #####  
### $caching=2 ##### $cache_lifetime #####  
###
```

Example 14.2. #####

```

<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 2; // #####

// index.tpl#5##cache_lifetime#####
$smarty->cache_lifetime = 300;
$smarty->display('index.tpl');

// home.tpl#1###cache_lifetime#####
$smarty->cache_lifetime = 3600;
$smarty->display('home.tpl');

// #: $caching = 2#####$cache_lifetime#####
// home.tpl#####1#####
// #####$cache_lifetime#####
// home.tpl#####1#####
$smarty->cache_lifetime = 30; // 30 seconds
$smarty->display('home.tpl');
?>

$compile_check ##### #####
#####
## $compile_check # FALSE #####

```

Example 14.3. \$compile_check #####

```

<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 1;
$smarty->compile_check = true;

$smarty->display('index.tpl');
?>

$force_compile ##### #####
$force_compile # #### $caching = 0. #####

is_cached() #####
#####

```

Example 14.4. is_cached() #####

```

<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 1;

if(!$smarty->is_cached('index.tpl')) {
    // #####
    $contents = get_database_contents();
    $smarty->assign($contents);
}

$smarty->display('index.tpl');
?>

```

```

{insert} ##### #
##### {insert} ##### {insert} #####
#####

```

```

clear_all_cache() ##### clear_cache() ##### (#####) #####

```

Example 14.5. #####

```

<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 1;

// #####
$smarty->clear_cache('index.tpl');

// index.tpl#####
$smarty->clear_all_cache();

$smarty->display('index.tpl');
?>

```

#####

```

display() # fetch() ##### ## display('index.tpl')
#####
##### $cache_id #####

```

Example 14.6. display() # \$cache_id ###

```
<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 1;

$smarty_cache_id = $_GET['article_id'];

$smarty->display('index.tpl', $smarty_cache_id);
?>
```

```
#####$cache_id ### display() ### $smarty_cache_id ##### ##### $smarty_cache_id
#####index.tpl ##### #####$cache_id ##### article_id # URL ##
#####
```

```
#####
```

```
##### (Web ####) ## Smarty (##### PHP #####) #####URL
## article_id ##### $cache_id #####
##### article_id ##### article_id #####
#####
#### article_id #10##### article_id #####
#####
```

```
is_cached() # clear_cache() ##### $cache_id #####
```

Example 14.7. is_cached() # cache_id ###

```
<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 1;

$smarty_cache_id = $_GET['article_id'];

if(!$smarty->is_cached('index.tpl', $smarty_cache_id)) {
    // #####n
    $contents = get_database_contents();
    $smarty->assign($contents);
}

$smarty->display('index.tpl', $smarty_cache_id);
?>
```

```
clear_cache() ##### NULL ##### $cache_id #####
```

Example 14.8. ###cache_id#####

```
<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = 1;

// cache_id#"sports"#####
$smarty->clear_cache(null,'sports');

$smarty->display('index.tpl','sports');
?>
```

```
##### $cache_id ##### "#####" #####
```

#####

```
$cache_id ##### $cache_id ##### | #####
#####
```

- ##### 'a|b|c' ##### '/a/b/c/' #####
- clear_cache(null,'a|b|c') ##### '/a/b/c/*' ## clear_cache(null,'a|b') ##
'/a/b/*'
- \$compile_id # clear_cache(null,'a|b','foo') ##### '/
a/b/c/foo/' #####
- ##### clear_cache('foo.tpl','a|b|c') ##### Smarty # '/a/b/c/foo.tpl'
#####
- ###'/a/b/*/foo.tpl' #####

##

```
##### themes/  
blue/index.tpl ##### "blue" #####  
display('themes/blue/index.tpl','themes|blue') ####  
### clear_cache(null,'themes|blue') #####
```

Example 14.9. \$cache_id groups

```

<?php
require('Smarty.class.php');
$smarty = new Smarty;

$smarty->caching = true;

// #####cache_id#####"sports|basketball"#####
$smarty->clear_cache(null, 'sports|basketball');

// #####cache_id#####"sports"#####
// ###"sports|basketball"##"sports|(anything)|(anything)|(anything)|..."#####
$smarty->clear_cache(null, 'sports');

// cache_id ###"sports|basketball"####foo.tpl #####
$smarty->clear_cache('foo.tpl', 'sports|basketball');

$smarty->display('index.tpl', 'sports|basketball');
?>

```

#####

```

Smarty    2.6.0    #####    register_block()#
register_compiler_function() ### register_function() ##### $cacheable #
##### TRUE #####Smarty 2.6.0 #####

$cacheable=false #####
## {insert} #####

{insert} ##### $cache_attrs #####
###$cache_attrs #####
#####

```


Example 14.10. #####

```
<?php
$smarty-> caching = true;

function remaining_seconds($params, &$smarty) {
    $remain = $params['endtime'] - time();
    if($remain >= 0){
        return $remain . ' second(s)';
    }else{
        return 'done';
    }
}

$smarty->register_function('remaining', 'remaining_seconds', false, array('endtime'

if (!$smarty->is_cached('index.tpl')) {
    // ##### $obj #####
    $smarty->assign_by_ref('obj', $obj);
}

$smarty->display('index.tpl');
?>
```

```
index.tpl #####
```

```
Time Remaining: {remaining endtime=$obj->endtime}
```

```
##### $obj #endtime #####
endtime #####
```

Example 14.11. #####

index.php:

```
<?php
$smarty-> caching = 1;

function smarty_block_dynamic($param, $content, &$smarty) {
    return $content;
}
$smarty->register_block('dynamic', 'smarty_block_dynamic', false);

$smarty->display('index.tpl');
?>
```

index.tpl #####

Page created: {'0'|date_format:'%D %H:%M:%S'}

{dynamic}

Now is: {'0'|date_format:'%D %H:%M:%S'}

... ##### ...

{/dynamic}

```
##### ## “dynamic” ##### “static” ## {dynamic}...{/
dynamic} #####
```

Chapter 15.

#####

Smarty ##### PHP # ##### [http://php.net/object] #####
####

- #####
- ##### assign() #####

#####

`$security` #####('_' #####) #####
####

#####

smarty ###
FALSE

`format` # TRUE #####
(`{foobar->meth2}`...`{/foobar->meth2}`) ##### `block-`
`function-plugins` ##### `$params`# `$content`# `&$smarty` ###
`&$repeat` #####

Example 15.1. #####

```

<?php
// #####

class My_Object {
    function meth1($params, &$smarty_obj) {
        return 'this is my meth1';
    }
}

$myobj = new My_Object;

// ##### (###) #####
$smarty->register_object('foobar', $myobj);

// #####
$smarty->register_object('foobar', $myobj, array('meth1', 'meth2', 'prop1'));

// #####boolean#false#####
$smarty->register_object('foobar', $myobj, null, false);

// #####
$smarty->assign_by_ref('myobj', $myobj);

$smarty->display('index.tpl');
?>

### index.tpl #####

{* ##### *}
{foobar->meth1 p1='foo' p2=$bar}

{* output##### *}
{foobar->meth1 p1='foo' p2=$bar assign='output'}
the output was {$output}

{* ##### *}
{$myobj->meth1('foo', $bar)}

register_object() ### assign() #####

```

#####

```

#####PHP#####
#####

```

```
##### #### ##### load_filter() ### $autoload_filters ##### #####  
####
```

```
Smarty#####  
##
```

Example 15.2. #####

```
#####
```

```
<?php  
// #####  
function remove_dw_comments($tpl_source, &$smarty)  
{  
    return preg_replace("/<!--#. *-->/U", '', $tpl_source);  
}  
  
// #####  
$smarty->register_prefilter('remove_dw_comments');  
$smarty->display('index.tpl');  
?>
```

```
register_prefilter()# ##### load_filter() #####
```

#####

```
##### #####PHP##### ##### load_filter() ##  
# $autoload_filters ##### ##### Smarty #####  
#####
```

Example 15.3. #####

```

<?php
// #####
function add_header_comment($tpl_source, &$smarty)
{
    return "<?php echo \"<!-- Created by Smarty! -->\n\"; ?>\n\".$tpl_source;
}

// #####
$smarty->register_postfilter('add_header_comment');
$smarty->display('index.tpl');
?>

```

index.tpl

```

<!-- Created by Smarty! -->
{* ##### *}

```

register_postfilter()# ##### ## load_filter() #####

#####

```

##### display() ## fetch() ##### ## ##
## #####
#####

```

```

##### ## ## load_filter() ## $autoload_filters ##### ##
##### Smarty #####
#####

```

Example 15.4. #####

```

<?php
// #####
function protect_email($tpl_output, &$smarty)
{
    $tpl_output =
        preg_replace('!(\S+)@([a-zA-Z0-9\.\-]+\.\.([a-zA-Z]{2,3}|[0-9]{1,3}))!',
            '$1%40$2', $tpl_output);
    return $tpl_output;
}

// #####
$smarty->register_outputfilter('protect_email');
$smarty->display('index.tpl');

// #####email#####
// #####
?>

register_outputfilter()# load_filter()# $autoload_filters# ##### ##
$plugins_dir #####

```

#####

```

#####

#####Smarty##### $cache_handler_func ##
#####Smarty #####

• ##### read#write ## clear #####

• ##### Smarty #####

• ##### write ##### read #####
##### clear #####

• #####('read'##'write'#####)#

• ##### $cache_id ##

• ##### $compile_id ##

• ##### $exp_time # Smarty-2.6.0 #####

```

```

switch($action) {
  case 'read':
    // #####
    $results = mysql_query("select CacheContents from CACHE_PAGES where CacheID='$CacheID'");
    if(!$results) {
      $smarty_obj->trigger_error_msg('cache_handler: query failed.');
```

Example 15.5. #####MySQL#####

```

    $row = mysql_fetch_array($results,MYSQL_ASSOC);

    if($use_gzip && function_exists('gzuncompress')) {
      $cache_content = gzuncompress($row['CacheContents']);
    } else {
      $cache_content = $row['CacheContents'];
    }
    $return = $results;
    break;
  case 'write':
    // #####

    if($use_gzip && function_exists("gzcompress")) {
      // #####
      $contents = gzcompress($cache_content);
    } else {
      $contents = $cache_content;
    }
    $results = mysql_query("replace into CACHE_PAGES values(
      '$CacheID',
      '".addslashes($contents)."'
    );
    if(!$results) {
      $smarty_obj->trigger_error_msg('cache_handler: query failed.');
```

```

    }
    $return = $results;
    break;
  case 'clear':
    // #####
    if(empty($cache_id) && empty($compile_id) && empty($tpl_file)) {
      // #####
      $results = mysql_query('delete from CACHE_PAGES');
    } else {
      $results = mysql_query("delete from CACHE_PAGES where CacheID='$CacheID'");
    }
    if(!$results) {
      $smarty_obj->trigger_error_msg('cache_handler: query failed.');
```

```

    }
    $return = $results;
    break;
  default:
    // #####
    $smarty_obj->trigger_error_msg("cache_handler: unknown action \"\$action\");
    $return = false;
    break;
}
mysql_close($link);
return $return;

}

?>

```


#####

```
##### display()# fetch() #####  
## ##### $default_resource_type #####  
#####
```

\$template_dir

```
$template_dir ##### file: #####  
##### $template_dir #####
```

Example 15.6. \$template_dir

```
<?php  
$smarty->display('index.tpl');  
$smarty->display('admin/menu.tpl');  
$smarty->display('file:admin/menu.tpl'); // ####  
>
```

Smarty #####

```
{include file='index.tpl'}  
{* #####*}  
{include file='file:index.tpl'}
```

#####

```
$template_dir ##### file: #####  
##
```

Example 15.7.

```
<?php  
$smarty->display('file:/export/templates/index.tpl');  
$smarty->display('file:/path/to/my/templates/menu.tpl');  
>
```

Smarty #####

```
{include file='file:/usr/local/share/templates/navigation.tpl'}
```

Windows

###Windows ##### (C:) ##### ## file:
#####

Example 15.8. Windows

```
<?php
$smarty->display('file:C:/export/templates/index.tpl');
$smarty->display('file:F:/path/to/my/templates/menu.tpl');
?>
```

Smarty #####

```
{include file='file:D:/usr/local/share/templates/navigation.tpl'}
```

#####

#####LDAP ## PHP#####
#####

#####

Note

file: #####
#####

Example 15.9. #####

```

<?php
// #####
function db_get_template ($tpl_name, &$tpl_source, &$smarty_obj)
{
    // #####
    // $tpl_source #####
    $tpl_source = "This is the template text";
    // ##### true #####false #####
    return true;
}

function db_get_timestamp($tpl_name, &$tpl_timestamp, &$smarty_obj)
{
    // ##### Unix #####
    // $tpl_timestamp#####
    // #####
    $tpl_timestamp = time(); // #####!
    // ##### true #####false #####
    return true;
}

function db_get_secure($tpl_name, &$smarty_obj)
{
    // #####
    return true;
}

function db_get_trusted($tpl_name, &$smarty_obj)
{
    // #####
}

// #####"db"#####
$smartyy->register_resource("db", array("db_get_template",
                                       "db_get_timestamp",
                                       "db_get_secure",
                                       "db_get_trusted"));

// php#####
$smartyy->display("db:index.tpl");
?>

```

Smarty #####

```
{include file='db:/extras/navigation.tpl'}
```

#####

```
#####  
#####
```

Example 15.10. #####

```
<?php  
// #####  
  
function make_template ($resource_type, $resource_name, &$template_source, &$templ  
&$smarty_obj)  
{  
    if( $resource_type == 'file' ) {  
        if ( ! is_readable ( $resource_name )) {  
            // #####  
            $template_source = "This is a new template.";  
            require_once SMARTY_CORE_DIR . 'core.write_file.php';  
            smarty_core_write_file( array( 'filename'=>$smarty_obj->template_dir .  
                return true;  
        }  
    } else {  
        // #####  
        return false;  
    }  
}  
  
// #####  
$smarty->default_template_handler_func = 'make_template';  
?>
```

Chapter 16. ##### Smarty

Smarty 2.0 ##### Smarty #####

- #####
- #####
- #####
- #####
- #####
- #####
- #####
- #####
- #####
- #####

#####register_* API ##### API ##### \$custom_funcs,
\$custom_mods # ##### API #####

#####

Smarty

#####/##### API #####
#####

Smarty

####

Smarty

#####

type.name.php

- *type* #####
 - function
 - modifier
 - block
 - compiler
 - prefilter
 - postfilter
 - outputfilter
 - resource
 - insert
- name ##### PHP ### [<http://php.net/language.variables>] #####
- #: function.html_select_date.php# resource.db.php#
 modifier.spacify.php#

PHP #####

smarty_type, _name

- type ### name #####
 - #### foo ##### function smarty_modifier_foo() #####
- ##### Smarty #####

#####

Smarty ##### register_* API #####
unregister_* API

#####

Smarty #####
#####

```
<?php
require_once $smarty->_get_plugin_filepath('function', 'html_options');
?>
```

#####Smarty #####

- ##### Smarty #####
- ##### Smarty ##### \$repeat ##### Smarty #####

#####

```
void smarty_function_name($params, &$smarty);
```

```
array $params;
object &$smarty;
```

\$params

#####(#: {fetch} ##)# #####(#: {assign} ##)#

Smarty ##### \$smarty ####
\$smarty->foo()

Example 16.1. #####

```
<?php
/*
 * Smarty plugin
 * -----
 * File:      function.eightball.php
 * Type:      function
 * Name:      eightball
 * Purpose:   #####
 * -----
 */
function smarty_function_eightball($params, &$smarty)
{
    $answers = array('##',
                    '###',
                    '#####',
                    '#####',
                    '#####',
                    '#####.....');

    $result = array_rand($answers);
    return $answers[$result];
}
?>
```

```
#####
```

```
##: #####?
##: {eightball}.
```

Example 16.2. #####

```
<?php
/*
 * Smarty plugin
 * -----
 * File:      function.assign.php
 * Type:      function
 * Name:      assign
 * Purpose:   #####
 * -----
 */
function smarty_function_assign($params, &$smarty)
{
    if (empty($params['var'])) {
        $smarty->trigger_error("assign: ##### 'var' #####");
        return;
    }

    if (!in_array('value', array_keys($params))) {
        $smarty->trigger_error("assign: ##### 'value' #####");
        return;
    }

    $smarty->assign($params['var'], $params['value']);
}
?>
```

```
register_function() ### unregister_function() #####
```

#####

```
#####
mixed smarty_modifier_name($value, $param1);

mixed $value;
[mixed $param1, ...];

#####

##### ## [http://php.net/return] #####
```


Example 16.3. #####

PHP

```
<?php
/*
 * Smarty plugin
 * -----
 * File:      modifier.capitalize.php
 * Type:      modifier
 * Name:      capitalize
 * Purpose:   #####
 * -----
 */
function smarty_modifier_capitalize($string)
{
    return ucwords($string);
}
?>
```

Example 16.4. #####

```

<?php
/*
 * Smarty plugin
 * -----
 * File:      modifier.truncate.php
 * Type:      modifier
 * Name:      truncate
 * Purpose:   #####
 *            ##### $etc
 *            #####
 * -----
 */
function smarty_modifier_truncate($string, $length = 80, $etc = '...',
                                  $break_words = false)
{
    if ($length == 0)
        return '';

    if (strlen($string) > $length) {
        $length -= strlen($etc);
        $fragment = substr($string, 0, $length+1);
        if ($break_words)
            $fragment = substr($fragment, 0, -1);
        else
            $fragment = preg_replace('/\s+(\S+)?$/',' ', $fragment);
        return $fragment.$etc;
    } else
        return $string;
}
?>

```

```
register_modifier() ### unregister_modifier() #####
```

#####

```

void smarty_block_name($params, $content, &$smarty, &$repeat);

array $params;
mixed $content;
object &$smarty;
boolean &$repeat;

#####{func} .. {/func} #####
##### {func} ##### {func}..{/func} #####

• #####Smarty##### $repeat #
  #####

```

- ##### ## ##### \$params #####
#####
 - ## \$content #### ##### NULL#####
Smarty
 - \$repeat #####
##(###)### \$repeat # TRUE #####(###)## FALSE ##### \$repeat #
TRUE #####{func}...{/func} ##### \$content #####
#####
- ##### \$smarty->_tag_stack##### var_dump()
[http://php.net/var_dump] #####

Example 16.5. #####

```
<?php
/*
 * Smarty plugin
 * -----
 * File:      block.translate.php
 * Type:      block
 * Name:      translate
 * Purpose:   #####
 * -----
 */
function smarty_block_translate($params, $content, &$smarty, &$repeat)
{
    // #####
    if(!$repeat){
        if (isset($content)) {
            $lang = $params['lang'];
            // ### $content #####
            return $translation;
        }
    }
}
?>
```

register_block() ### unregister_block() #####

#####

```
#####PHP#####
#####

mixed smarty_compiler_name($tag_arg, &$smarty);

string $tag_arg;
object &$smarty;
```

```
#####(#####)## Smarty#####  
#####PHP#####
```

Example 16.6. #####

```
<?php  
/*  
 * Smarty plugin  
 * -----  
 * File:      compiler.tplheader.php  
 * Type:      compiler  
 * Name:      tplheader  
 * Purpose:   #####  
 *           #####  
 * -----  
 */  
function smarty_compiler_tplheader($tag_arg, &$smarty)  
{  
    return "\necho '" . $smarty->_current_file . " compiled at " . date('Y-m-d H:M  
}  
?>
```

```
#####
```

```
{* ##### *}  
{tplheader}
```

```
#####PHP#####
```

```
<?php  
echo 'index.tpl compiled at 2002-02-20 20:02';  
?>
```

```
register_compiler_function()### unregister_compiler_function()#####
```

#####/#####

```
#####
```

```
string smarty_prefilter_name($source, &$smarty);  
  
string $source;  
object &$smarty;
```

```
#####  
#####  
#####  
  
string smarty_postfilter_name($compiled, &$smarty);  
  
string $compiled;  
object &$smarty;  
  
##### PHP#####  
#####  
#####
```

Example 16.7. #####

```
<?php  
/*  
 * Smarty plugin  
 * -----  
 * File:      prefilter.pre01.php  
 * Type:      prefilter  
 * Name:      pre01  
 * Purpose:   html #####  
 * -----  
 */  
function smarty_prefilter_pre01($source, &$smarty)  
{  
    return preg_replace('!<(\w+)[^>]+>!e', 'strtolower("$1")', $source);  
}  
?>
```

Example 16.8. #####

```
<?php
/*
 * Smarty plugin
 * -----
 * File:      postfilter.post01.php
 * Type:      postfilter
 * Name:      post01
 * Purpose:   #####
 * -----
 */
function smarty_postfilter_post01($compiled, &$smarty)
{
    $compiled = "<pre>\n<?php print_r(\$this->get_template_vars()); ?>\n</pre>" .
    return $compiled;
}
?>
```



```
register_prefilter()# unregister_prefilter()# register_postfilter() ###
unregister_postfilter() #####
```

#####

```
##### (#####)#####

string smarty_outputfilter_name($template_output, &$smarty);

string $template_output;
object &$smarty;

#####Smarty#####
#####
```

Example 16.9. #####

```

<?php
/*
 * Smarty plugin
 * -----
 * File:      outputfilter.protect_email.php
 * Type:      outputfilter
 * Name:      protect_email
 * Purpose:   email ##### @ # %40 #####
 *           #####
 * -----
 */
function smarty_outputfilter_protect_email($output, &$smarty)
{
    return preg_replace('!(\S+)@([a-zA-Z0-9\.\-]+\.\.([a-zA-Z]{2,3}|[0-9]{1,3}))!',
        '$1%40$2', $output);
}
?>

```

```
register_outputfilter() ### unregister_outputfilter() #####
```

#####

```
#####PHP##### Smarty ##### LDAP, #
###, #####
```

```
##### Smarty #####
#####
```

```
bool smarty_resource_name_source($rsrc_name, &$source, &$smarty);
```

```
string $rsrc_name;
string &$source;
object &$smarty;
```

```
bool smarty_resource_name_timestamp($rsrc_name, &$timestamp, &$smarty);
```

```
string $rsrc_name;
int &$timestamp;
object &$smarty;
```

```
bool smarty_resource_name_secure($rsrc_name, &$smarty);
```

```
string $rsrc_name;
object &$smarty;
```

```
bool smarty_resource_name_trusted($rsrc_name, &$smarty);
```

```
string $rsrc_name;
```

object &\$smarty;

- ##### source() ##### \$source #####
TRUE# ##### FALSE
- ##### timestamp() ## #####(UNIX#####)#####
\$timestamp ##### TRUE##### FALSE #####
- ##### secure() ## ##### TRUE ## FALSE #####
#####
- ##### trusted() ## ##### TRUE ## FALSE #####
{include_php} ##### {insert} ### src ##### PHP #####
#####

Example 16.10. #####

```

<?php
/*
 * Smarty plugin
 * -----
 * File:      resource.db.php
 * Type:      resource
 * Name:      db
 * Purpose:   #####
 * -----
 */
function smarty_resource_db_source($tpl_name, &$tpl_source, &$smarty)
{
    // #####
    // ##### $tpl_source #####
    $tpl_source = "This is the template text";
    // ##### true #####false #####
    return true;
}

function smarty_resource_db_timestamp($tpl_name, &$tpl_timestamp, &$smarty)
{
    // ##### Unix #####
    // $tpl_timestamp#####
    // #####
    $tpl_timestamp = time(); // #####!
    // ##### true #####false #####
    return true;
}

function smarty_resource_db_secure($tpl_name, &$smarty)
{
    // #####
    return true;
}

function smarty_resource_db_trusted($tpl_name, &$smarty)
{
    // #####
}
?>

```

```
register_resource() ### unregister_resource() #####
```

#####

```
##### {insert} #####
string smarty_insert_name($params, &$smarty);
```

```
array $params;
object &$smarty;
```

```
#####insert#####
```

```
##### {insert} #####
```

Example 16.11. #####

```
<?php
/*
 * Smarty plugin
 * -----
 * File:      insert.time.php
 * Type:      time
 * Name:      time
 * Purpose:   #####/#####
 * -----
 */
function smarty_insert_time($params, &$smarty)
{
    if (empty($params['format'])) {
        $smarty->trigger_error("insert time: missing 'format' parameter");
        return;
    }
    return strftime($params['format']);
}
?>
```

Part IV.

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Chapter 17.

Smarty/PHP

Smarty #####
##

Example 17.1. Smarty

```
Warning: Smarty: [in index.tpl line 4]: syntax error: unknown tag - '%blah'  
in /path/to/smarty/Smarty.class.php on line 1041
```

```
Fatal error: Smarty: [in index.tpl line 28]: syntax error: missing section name  
in /path/to/smarty/Smarty.class.php on line 1041
```

```
Smarty #####Smarty #####  
#####Smarty ##### PHP #####
```

Example 17.2. PHP

```
Parse error: parse error in /path/to/smarty/templates_c/index.tpl.php on line 75
```

```
PHP ##### PHP #####  
##### {if}{/if} # {section}{/section} ##### {if} #####  
##### PHP #####  
#####
```

Example 17.3. #####

Warning: Smarty error: unable to read resource: "index.tpl" in...
or
Warning: Smarty error: unable to read resource: "site.conf" in...

- `$template_dir ##### index.tpl # templates/ #####`
- `{config_load} ##### (### config_load() #####)##### $config_dir ##
site.conf #####`

Fatal error: Smarty error: the \$compile_dir 'templates_c' does not exist,
or is not a directory...

- `$compile_dir ##### templates_c #####
###`

Fatal error: Smarty error: unable to write to \$compile_dir '....

- `$compile_dir # Web ##### Smarty #####`

Fatal error: Smarty error: the \$cache_dir 'cache' does not exist,
or is not a directory. in /..

- `$caching ##### $cache_dir ##### cache/ #####
#####`

Fatal error: Smarty error: unable to write to \$cache_dir '/...

- `$caching ##### $cache_dir # Web ##### Smarty ##### #
#####`

`##### $error_reporting ### trigger_error() #####`

Chapter 18. ### &

#####

```
##### &nbsp; ##### ##  
##### {if} {if}#####Smarty##### default #####
```

Note

“Undefined variable” ##### PHP # error_reporting() [http://php.net/error_reporting] # E_ALL ##### Smarty #####

Example 18.1. #####

```
{* ##### *}  
{if $title eq ''}  
    &nbsp;  
{else}  
    {$title}  
{/if}  
  
{* ##### *}  
{ $title|default:'&nbsp;' }
```

default #####

#####

```
##### default ##### {assign} ##  
#####
```

Example 18.2.

```
{* ##### *}  
{assign var='title' value=$title|default:'no title'}  
  
{* $title#####"no title"##### *}  
{ $title}
```

default #####

#####

```
##### {include} #####  
##### ##### ## #####
```

Example 18.3.

mainpage.tpl - ##### “Main Page” ##### header.tpl #####

```
{include file='header.tpl' title='Main Page'}  
{* #####*}  
{include file='footer.tpl'}
```

archives.tpl - ##### “Archives” #####
archives_page.conf #####

```
{config_load file='archive_page.conf'}  
  
{include file='header.tpl' title=#archivePageTitle#}  
{* #####*}  
{include file='footer.tpl'}
```

header.tpl - \$title ##### “Smarty News” ##### default #####
##

```
<html>  
<head>  
<title>{$title|default:'Smarty News'}</title>  
</head>  
<body>
```

footer.tpl

```
</body>  
</html>
```


##

```
####Smarty ##### [http://php.net/time] #####  
date_format #####
```

Example 18.4. date_format

```
{startDate|date_format}
```

```
#####
```

```
Jan 4, 2009
```

```
{startDate|date_format:"%Y/%m/%d"}
```

```
#####
```

```
2009/01/04
```

```
#####
```

```
{if $order_date < $invoice_date}  
  ...#####  
{/if}
```

```
##### {html_select_date} #####  
#####
```

Example 18.5. #####UNIX#####

```

<?php

// ##### startDate_Day, startDate_Month, startDate_Year
// #####

$startDate = makeTimeStamp($startDate_Year, $startDate_Month, $startDate_Day);

function makeTimeStamp($year='', $month='', $day='')
{
    if(empty($year)) {
        $year = strftime('%Y');
    }
    if(empty($month)) {
        $month = strftime('%m');
    }
    if(empty($day)) {
        $day = strftime('%d');
    }

    return mktime(0, 0, 0, $month, $day, $year);
}
?>

{html_select_date}# {html_select_time}# date_format ### $smarty.now #####
#####

```

WAP/WML

```

WAP/WML #####php ##### Content-Type ### [http://php.net/header] #####
##### {insert}
##### ({insert} #####)#####
#####

```

Example 18.6. WML Content-Type ##### {insert} #####

```

<?php

// apache ####.wml #####
// ##### Smarty.addons.php #####
function insert_header($params)
{
    // ##### $content #####
    if (empty($params['content'])) {
        return;
    }
    header($params['content']);
    return;
}

?>

```

Smarty ##### insert #####

```
{insert name=header content="Content-Type: text/vnd.wap.wml"}
```

```

<?xml version="1.0"?>
<!DOCTYPE wml PUBLIC "-//WAPFORUM//DTD WML 1.1//EN" "http://www.wapforum.org/DTD/wml11.dtd">
<!-- ### wml ### -->
<wml>
  <!-- ##### -->
  <card>
    <do type="accept">
      <go href="#two"/>
    </do>
    <p>
      Smarty ## WAP #####!
      OK #####.....
    </p>
  </card>
  <!-- ##### -->
  <card id="two">
    <p>
      #####
    </p>
  </card>
</wml>

```

#####

```
##### php ##### (#####
#####)##### Smarty ##### (assign())# ##### (display()) ##
##### php #####
#####
#####
```

Example 18.7. #####

function.load_ticker.php-##### #####

```
<?php

// #####
function fetch_ticker($symbol)
{
    // ##### $ticker_info #
    // #####
    return $ticker_info;
}

function smarty_function_load_ticker($params, &$smarty)
{
    // #####
    $ticker_info = fetch_ticker($params['symbol']);

    // #####
    $smarty->assign($params['assign'], $ticker_info);
}
?>
```

index.tpl

```
{load_ticker symbol='SMARTY' assign='ticker'}
```

```
##: {$ticker.name} ##: {$ticker.price}
```

```
{include_php}# {include} ### {php} #####
```

E-mail #####

```
##### E-mail ##### web
##### E-mail #####E-mail ##### HTML ##### JavaScript #####
##### {mailto} #####
```

Example 18.8. E-mail

```
<div id="contact">
{mailto address=$EmailAddress encode='javascript' subject='Hello'} #####
</div>
```

#####

100% #####
#####..... #####..... #####..... ##### :~?

escape ##### {mailto} #####

Chapter 19.

Smarty ##### <http://www.smarty.net/> ###

- ##### ismarty-discussion-subscribe@googlegroups.com #####
[<http://groups.google.com/group/smarty-discussion>]
- ##### <http://www.smarty.net/forums/> ###
- wiki ##### <http://smarty.incutio.com/> ###
- ##### [irc.freenode.net#smarty](irc:freenode.net#smarty) [<http://smarty.incutio.com/>] ##
- FAQ # ### [<http://smarty.incutio.com/?page=SmartyFrequentlyAskedQuestions>] # ### [<http://www.smarty.net/forums/viewforum.php?f=23>] #####

Chapter 20.

Smarty ##### BUGS #####web #####