

Initializing Smarty

```
include("smarty/Smarty.class.php");
$smarty = new smarty();
```

Assigning Variables

```
General Format
$smarty->assign("var","value");
Example
$smarty->assign("who", "world");
```

Sample Template

```
Filename : templates\greet.tpl
Hello {$who}
```

Display Output

```
$smarty->display("greet.tpl");
```

Debugging templates

```
Add this line at the top
{debug}
```

Capturing output in php variable

```
Use Fetch() function
$output =
$smarty->fetch("greet.tpl");
echo $output;
```

Processing indexed array

```
{section name=id loop=$array}
Current Item : {$array[id]}<br/>
{/section}
```

Processing associated array

```
{{$student.name}
{$student.roll}
{$student.age}
```

Passing associated array

```
$std=array("name"=>"shumi");
$smarty->assign("student",$std);
```

Loop

```
{section name=id loop=$variable}
element : {$variable[id]}
{sectionelse}
If supplied variable is empty, you'll see it
{/section}
```

```
{foreach item=curitem from=$items}
element : {$curitem}
{foreachelse}
If supplied variable is empty, you'll see it
{/foreach}
```

Logic

```
{if $var == condition}
something to do
{elseif $var == condition}
something to do
{else}
something else to do
{/if}
```

Directory Structure

```
- your_script_folder
| - smarty
| | - libs
| | | Smarty.class.php
| - templates
| | greet.tpl
| + templates_c [atleast 0665]
| + configs
| my_other_scripts.php
| blah_blah_script.php
```

Processing Objects

```
Access Object Methods
{$object->method
param1="val"
param2="val"}
```

```
Accessing Object Properties
{$object->property}
```

```
Assign method output to variable
{$object->method
param1="val"
param2="val"
assign="storage_var"}
```

```
Output: {$storage_var}
```

Passing objects to template

```
$my_class=new my_object();
$smarty->register_object(
"object", $my_class);
```

Using modifiers

```
General Format
{$variable|modifier:parameter}
Example
{$name|count_characters}
```

Use PHP Functions as Modifier

```
You can use PHP functions as modifier. Separate the parameters by ':'
Example
{$number|pow:2}
```

Common Modifiers

capitalize, count_characters, cat, count_paragraphs, count_sentences, count_words, date_format, default, escape, indent, lower, nl2br, regex_replace, replace, spacy, string_format, strip, strip_tags, truncate, upper, wordwrap

Builtin Functions

capture, config_load, foreach, foreachelse, include, include_php, insert if, elseif, else, ldelim, rdelim, literal, php, section, sectionelse, strip

Custom Functions

assign, counter, cycle, debug, eval, fetch, html_checkboxes, html_image, html_options, html_radios, html_select_date, html_select_time, html_table, math, mailto, popup_init, popup, textformat

Generating Tables using html_table() function

```
{html_table loop=$data cols=4 table_attr='border="0"'} Or
{html_table loop=$data cols=4 tr_attr=$tr
where $tr = array('bgcolor="#eeeeee";' bgcolor="#dddddd");
```

Change Template Directory

```
$smarty->template_dir='dir path'
```

Change Compile Directory

```
$smarty->compile_dir='dir path'
```

Change Config Directory

```
$smarty->config_dir='new dir'
```

Turn off PHP in templates

```
$smarty->php_handling = 'any of the followings'
SMARTY_PHP_PASSTHRU
SMARTY_PHP_QUOTE
SMARTY_PHP_REMOVE
SMARTY_PHP_ALLOW
```

Using Stricter Security

```
$smarty->security = true;
```

Turn off PHP functions in IF block

```
$smarty->security_settings['if_funcs'] = array('disallowed functions one by one as array element');
Now set $smarty->security=true;
```

Using PHP functions in IF block

```
{if pow($number, 2) eq 100}
You supplied 10 as number
{/if}
```

Security Settings

```
You can use the following array for $smarty->security_settings
PHP_HANDLING
IF_FUNCS
INCLUDE_ANY
PHP_TAGS
MODIFIER_FUNCS
ALLOW_CONSTANTS
```

Special Section Properties

Some special section properties reduce the pain of templating a lot.

```
General Format
$smarty.section.sectionname.property
{section name=id loop=$cust}
Current Iteration:
$smarty.section.id.iteration
{/section}
```

| | |
|------------|-------|
| index | show |
| index_prev | total |
| index_next | loop |
| iteration | |
| first | |
| last | |
| rownum | |

Special Foreach Properties

iteration, last, first, total, show

Smarty reserved variables

| | | |
|------------------|-------------------|------------------|
| \$smarty.get | \$smarty.now | \$smarty.version |
| \$smarty.post | \$smarty.const | \$smarty.ldelim |
| \$smarty.session | \$smarty.capture | \$smarty.rdelim |
| \$smarty.env | \$smarty.config | |
| \$smarty.request | \$smarty.section | |
| \$smarty.env | \$smarty.foreach | |
| \$smarty.cookies | \$smarty.template | |

Caching

Caching is used to speed up a call to display() or fetch() by saving its output to a file. You can turn on caching by using `$smarty->caching=true;`

Checking cached content

```
$smarty->caching = true;

if(!$smarty->is_cached('index.tpl')) {
// No cache available, do variable assignments here.
$content = get_database_contents();
$smarty->assign($content);
}
```

Cache Lifetime

```
// set the cache_lifetime for index.tpl to 5 minutes
$smarty->cache_lifetime = 300;
$smarty->display('index.tpl');
```

```
// set the cache_lifetime for home.tpl to 1 hour
$smarty->cache_lifetime = 3600;
$smarty->display('home.tpl');
```

Clearing Cache

```
// clear out all cache files
$smarty->clear_all_cache();
```

```
// clear only cache for abc.tpl
$smarty->clear_cache('abc.tpl');
```

Session Variables with Smarty

```
{$smarty.session.var_name}
```

GET Variables with Smarty

```
{$smarty.get.var_name}
```

POST Variables with Smarty

```
{$smarty.post.var_name}
```

Cookie Variables with Smarty

```
{$smarty.cookies.var_name}
```

Multiple Caching

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

if(!$smarty->is_cached('index.tpl', $cache_id) ) { $contents = get_database_contents(); $smarty->assign($contents); }
$smarty->display('index.tpl', $cache_id);
```