

# CS Learning Centre

## PHP Tutorial

## Introduction

- ⇒ Based on PHP and MySQL Web Development, Third Edition (Available as CS eBook from Dal Library)
- ⇒ Other eBooks from Dal Library
  - ⇒ Learning PHP 5
  - ⇒ PHP Cookbook
- ⇒ For Online resources, google “PHP”

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## Embedding PHP in HTML

- ⇒ Insert PHP tag inside HTML file (with .php extension)
  - ⇒ XML Style  
`<?php PHP statement; ?>`
  - ⇒ Short Style (Need to be enabled)  
`<? PHP statement; ?>`
  - ⇒ Script Style  
`<SCRIPT LANGUAGE='php'> PHP statement;  
</SCRIPT>`
  - ⇒ ASP Style (Need to be enabled)  
`<% PHP statement; %>`
- ⇒ Dynamic Content  
`function('argument');`
  - ⇒ Note: argument is in string

## Variables

⇒ Do not require to declare variable type

⇒ Variable variables

```
$varname = 'tireqty';
```

```
$$varname = 5;
```

⇒ Constants

```
define('TIREPRICE', 100);
```

⇒ Accessing form variables (field=tireqty)

⇒ Short style (requires register\_globals)

```
$tieryqty
```

⇒ Medium style

```
$_POST['tireqty'] or $_GET['tireqty']
```

⇒ Long style

```
$HTTP_POST_VARS['tireqty']
```

## Operators and Control Structures

⇒ Pretty much same as in other programming languages (C, Java, etc.)

⇒ Break statements are also same (continue, break), except it provides *exit* statement to break out of the script

⇒ Alternative control structure syntax

```
if( $totalqty == 0):
```

```
    echo 'You did not order anything on the previous  
    page!<br />';
```

```
    exit;
```

```
endif;
```



## Function

- ⇒ New function

```
function my_function()
{
    echo 'My function was called';
}
```
- ⇒ Calling function

```
my_function();
```

## Function (Cont'd)

- ⇒ Using argument
  - ⇒ Should reset the argument if it is an array
  - ⇒ The next command gets next element of arg
  - ⇒ The current command gets current element
  - ⇒ Ex.

```
function create_table2( $data, $border = 1, $cellpadding = 4, $cellspacing = 4 )
{
    echo "<table border = $border cellpadding = $cellpadding"
        ." cellspacing = $cellspacing>";
    reset($data);
    $value = current($data);
    while ($value)
    {
        echo "<tr><td>$value</td></tr>\n";
        $value = next($data);
    }
    echo '</table>';
}
```

## Session Control (Using Cookie)

- ⇒ Manually setting Cookie in PHP  
`bool setcookie (string name [, string value [, int expire [, string path [, string domain [, int secure]]]])`  
Ex. `setcookie ('mycookie', 'value');`
- ⇒ Using Cookie with Sessions
  - ⇒ Get session cookie parameters  
`session_get_cookie_params()`
  - ⇒ Set session cookie parameters  
`session_set_cookie_params($lifetime, $path, $domain [, $secure]);`

## Session Control (Cont'd)

- ⇒ Starting Session (Must be declared at the beginning of the file)  
`session_start();`
- ⇒ Registering Session variables  
`$_SESSION['myvar'] = 5;`
- ⇒ Unsetting variables
  - ⇒ Single variable  
`unset($_SESSION['myvar']);`
  - ⇒ All variables  
`$_SESSION=array();`
- ⇒ Destroying session  
`session_destroy();`

## Session Control (Example)

⇒ Begin session

```
<?php
session_start();

$_SESSION['sess_var'] = "Hello world!";

echo 'The content of $_SESSION['sess_var'] is '
     '$_SESSION['sess_var'].'<br />';
?>
<a href="page2.php">Next page</a>
```

## Session Control (Example)

⇒ Get the variable and unset it

```
<?php
session_start();

echo 'The content of $_SESSION['sess_var'] is '
     '$_SESSION['sess_var'].'<br />';

unset($_SESSION['sess_var']);
?>
<a href="page3.php">Next page</a>
```

## Session Control (Example

⇒ End session

```
<?php
```

```
    session_start();
```

```
    echo 'The content of $_SESSION['sess_var'] is ' .  
        $_SESSION['sess_var'].'<br />';
```

```
    session_destroy();
```

```
?>
```