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UNIVERSITI TEKNOLOGI MALAYSIA



**Online
Learning**

PHP - Hypertext Preprocessor (Part 2)

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PHP object

```
<?php
class myClass {
    function myClass(){
    }
}
?>
```

```
<?php
$mine=new myClass();
?>
```

```
<?php
class myClass {

    var $my_var = 'testing';

    function myClass(){
    }
}
$mine=new myClass();
echo $mine->my_var;
?>
```

PHP object

```
<?php
class myHappyBox {

    var $box_height = 100;
    var $box_width = 100;
    var $box_color = '#EC0000';

    function myHappyBox(){
    }

    function setHeight($value){
        $this->box_height=$value;
    }
    function setWidth($value){
        $this->box_width=$value;
    }
    function setColor($value){
        $this->box_color=$value;
    }

    function displayBox(){
        echo sprintf('
            <div style="height:%spx;width:%spx;background-color:%s"> </div>
            ', $this->box_height, $this->box_width, $this->box_color);
    }
}
$box=new myHappyBox();
$box->displayBox();
?>
```

PHP object

```
<?php
class User
{
    var $userLogin;
    var $userPassword;

    function User() {
    }

    function setUserLogin($value) {
        $this->userLogin=$value;
    }

    function getUserLogin() {
        return $this->userLogin;
    }

    function setUserPassword($value) {
        $this->userPassword=$value;
    }

    function getUserPassword() {
        return $this->userPassword;
    }
}

$user01 = new User();
$user01->setUserLogin("aliLogin");
$user01->setUserPassword("aliPassword");

echo '<b>Login name: </b>' . $user01->getUserLogin() . '<br />';
echo '<b>Password : </b>' . $user01->getUserPassword();
?>
```

PHP object

- Array of objects
- Table tag – array of objects

Activity 07: PHP object

- [Object01](#) - [source](#)
- [Object02](#) - [source](#)
- [Array of objects](#) - [source](#)
- TABLE tag re-visit - [array of objects in table](#) - [source](#)

PHP Function

- Also similar to C, C++ and Java
- Normal
- With parameter
- Return value
- Pass by value
- Pass by reference

Activity 08: Function

1. simple, with parameter & with return value, pass by reference, pass by value - source
2. ProcessGrade - source

PHP – Data transfer

- Transferring data between client (web browser) to the server-side
- Two method:
 - Using form: **POST method**
 - Through URL: **GET method**

POST Method

- The body of the message is **sent as a stream of data** (HTML form data)
- Separated with the PHP URL in the FORM post URL
- Client send data to PHP using **HTML form element**

POST Method

- Form tag

```
<FORM METHOD="post"  
ACTION="login.php"  
TARGET="">
```

- Fill the TARGET value if form result have to display in a different frame
- After coding all the form element (button, textfield, etc) FORM tag must be close using the equivalent end tag - **</FORM>**
- If you have multiple form in a single page separate every form using the end tag

The Form (Activity 09.2.1)

- Text (textfield, password and textarea)
 - Single data entry
 - `<input name="name" type="text" id="name" />`
 - `<input type="password" name="password" id="password" />`
 - `<textarea name="address" id="address" cols="30" rows="5"></textarea>`

The Form (Activity 09.2.1)

- Radiobutton
 - Single data entry
 - `<input name="gender" type="radio" value="male" />`
 - `<input name="gender" type="radio" value="female" />`

The Form (Activity 09.2.1)

- **Checkbox**
 - Multiple data entry
 - `<input name="cc[]" type="checkbox" id="cc[]" value="MC" />`
 - `<input name="cc[]" type="checkbox" id="cc[]" value="VISA" />`
 - `<input name="cc[]" type="checkbox" id="cc[]" value="AMEX" />`

The Form (Activity 09.2.1)

- **Combobox**
 - Single data entry

```
<select name="bank" id="bank">  
  <option value="MBB">Maybank</option>  
  <option>AMBank</option>  
  <option>CIMB</option>  
  <option>HSBC</option>  
</select>
```

The Form (Activity 09.2.1)

- **Selectbox**
 - Multiple data entry

```
<select name="books[]" size="5" multiple="multiple"
id="books">
  <option value="hp1">Harry Potter 1</option>
  <option value="hp2">Harry Potter 2</option>
  <option value="hp3">Harry Potter 3</option>
  <option value="hp4">Harry Potter 4</option>
  <option value="hp5">Harry Potter 5</option>
</select>
```


Activity 09: Post method

1. [Example 01](#) - [source](#) (login.php)
2. Form Example:
 1. [The Form \(HTML\)](#)
 2. Reading the form data (php) - [source](#)
3. Exercise: [sum_post](#) (write the implementation of process_sum.php)
4. Exercise: [calc_post](#) (write the implementation of calc_process.php)

GET method (Activity 10)

- The body of the message (the data) is appended to the PHP URL,
 - `http://myserver.com/hello.php`
- Separated by a question mark
 - `http://myserver.com/hello.php?`
- Followed by name-value pair which separated by **equals sign**
- If value consist of more than one word, separate it using **plus sign** which the php will convert it to space character after parsing
 - `name=john+doe`
- Every consecutive name-value pair will be separated using **ampersand sign (&)**
 - `name=john+doe&id=007`

Activity 10: GET method

1. [Example 01](#) - [source](#)
2. [Example 02](#) - [source](#)
3. Exercise - [calc_get](#) (write the implementation of view_result.php)
4. Exercise - [ProcessGrade](#) - [source](#) (rewrite the source so that \$mark is a GET variable instead of a hard coded value)



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<http://gmm.fsksm.utm.my/~rosely/scv1223/php/>

THANK YOU