



# IT1100

Internet and Web technologies

Lecture 07 – part I

PHP - Superglobal variables and Form Handling

Mr. Jagath Wickramarathne

Faculty of Computing



# SLIIT

*Discover Your Future*

# Lecture 07 – part I

## PHP - Superglobal variables and Form Handling

IT1100 Internet and Web technologies

# Content

## **1. Superglobal variables and Form handling**

# 1. Superglobal variables

- There are some built-in variables in PHP environment, which provides some special features, they are called **superglobal** variables.
- They are basically associative arrays
- You will learn different types of supergloabal variables throughout the module

# 1. Superglobal variables

## Reading forms

- HTML form on a web page allows a user to enter data that is sent to a server for processing.

### **`$_GET["index"]`**

- An array of variables passed to the current script via the URL parameters.

### **`$_POST["index"]`**

- An array of variables passed to the current script via the HTTP POST method.

# 1. Superglobal variables

## Reading forms

### **Methods to read forms**

1. HTML form (frond end) + PHP backend to read form inputs
2. PHP form + PHP backend to read form inputs

# 1. Superglobal variables

## Reading forms (HTML + PHP)

index.html

```
<form method="get" action="process.php">  
  Name: <input type="text" name="txtName">  
  <br>  
  <input type="submit">  
</form>
```

process.php

```
<?php  
    echo "Hello ". $_GET["txtName"];  
?>
```

# 1. Superglobal variables

## Reading forms (HTML + PHP)

### process.php

```
<!DOCTYPE html>

<html>

<body>

<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
    Name: <input type="text" name="txtName">
    <br>
    <input type="submit" value="Submit" name="btnSubmit">
</form>
```

```
<?php

    if(isset($_POST["btnSubmit"])){
        echo "<h1> Hi " . $_POST["txtName"];
    }

?>
```

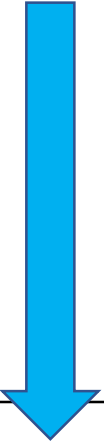
- **htmlspecialchars** — Convert special characters to HTML entities
- **\$\_SERVER["PHP\_SELF"]** - a super global variable that returns the filename of the currently executing script



# 1. Superglobal variables

## Reading forms - textbox

```
<!DOCTYPE html>
<html>
<body>
<form method="post" action="php-html-form-textbox-example.php">
Name: <input type="text" name="fname">
      <input type="submit">
</form>
</body>
</html>
```




```
<?php
$name = $_REQUEST['fname'];
echo $name;
?>
```

# 1. Superglobal variables

## Reading forms - textarea

```
<html>
<h2>PHP HTML Form textarea Example</h2>
<form name="php-html-form-textarea-example" method="POST" action="php-html-form-textarea-example.php">
  Enter Your Full Name :
  <input name="Fullname" type="text" value=""><br/><br/>
  Enter Your Address :
  <textarea name="UserAddress" rows="3" cols="20"></textarea>
  <br/><br/>
  <input name="BtnSubmit" type="submit" value="Submit">
</form>
</html>
```

- **isset** — Determine if a variable is declared and is different than NULL



```
<?php
if(isset($_POST['BtnSubmit']))
{
  echo "<h2>Bellow is the form data</h2>";
  echo "<hr>";
  echo "</br>Your Name :{$_POST['Fullname']}";
  echo "</br>Your Address :{$_POST['UserAddress']}";
  echo "<hr>";
}
?>
```

### Output

PHP HTML Form textarea Example

Enter Your Full Name :

Enter Your Address :

### Bellow is the form data

Your Name :Saman Gamage  
Your Address :New Kandy Road, Malabe, Sri Lanka

# 1. Superglobal variables

## Reading forms - radio

```
<html>
<h3>PHP HTML Form radio button Example</h3>
<form name="UserInformationForm" method="POST" action="php-html-form-radio-button-example.php">
  Enter Your Full Name :
  <input name="FullName" type="text" value=""><br/><br/>
  You are :
  <input name="YourGender" type="radio" value="male"> Male
  <input name="YourGender" type="radio" value="female" checked=checked"> Female<br/><br/>
  <input name="BtnSubmit" type="submit" value="Submit">
</form>
</html>
```

### Output

#### PHP HTML Form radio button Example

Enter Your Full Name :

You are : ☒ Male ☐ Female

#### Your form data as bellow

Your Name :Saman Gamage  
Your are a:Male

```
<?php
if(isset($_POST['BtnSubmit']))
{
  echo "<h3>Your form data as bellow</h3>";
  echo "</br>Your Name :{$_POST['FullName']}";
  echo "</br>Your are :{$_POST['YourGender']}";
  echo "<hr>";
}
?>
```

# 1. Superglobal variables

## Reading forms – checkbox

```
<html>
Check box test
  <form action="cbk.php" method="post">
    <input type="checkbox" name="check_list[]" value="one">One<BR>
    <input type="checkbox" name="check_list[]" value="two">Two<BR>
    <input type="checkbox" name="check_list[]" value="three">Three<BR>
    <button type="submit">submit</button>
  </form>
</html>
```

```
<?php
echo "Check box test<hr>" ;
if(!empty($_POST['check_list'])) {
    foreach($_POST['check_list'] as $check) {
        echo "check=$check<br>";
    }
}else{
    echo "Check list is empty";
}
?>
```

- empty — Determine whether a variable is empty

### Output

Check box test

☐ One

☐ Two

☐ Three

Check box test

---

Check list is empty

Check box test

☒ One

☐ Two

☒ Three

Check box test

---

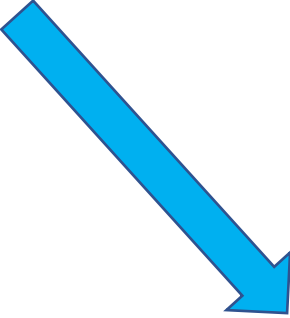
check=one

check=three

# 1. Superglobal variables

## Reading forms - Select

```
<html>
<h3>PHP HTML Form select box Example</h3>
<form name="UserInformationForm" method="POST" action="php-html-form-select-box-example.php">
    Enter Your Full Name :
    <input name="FullName" type="text" value=""><br/><br/>
    I like:
    <select name="I_like">
        <option value="java">JAVA</option>
        <option value="php">PHP</option>
        <option value="asp">ASP .Net</option>
    </select>
    <br/><br/>
    <input name="BtnSubmit" type="submit" value="Submit">
</form>
</html>
```



```
<?php
if(isset($_POST['BtnSubmit']))
{
    echo "<h3>Your submitted form data as bellow</h3>";
    echo "Your Name : {$_POST['FullName']}</br>";
    echo "I like : <h2>{$_POST['I_like']} </h2> Programming...!</br>";
    echo "<hr>";
}
?>
```

### Output

| PHP HTML Form select box Example                                 | Your submitted form data as bellow |
|--|------------------------------------|
| Enter Your Full Name : <input type="text" value="Saman Gamage"/> | Your Name : Saman Gamage           |
| I like: <input type="text" value="ASP .Net"/>                    | I like :                           |
| <input type="submit" value="Submit"/>                            | <b>asp</b>                         |
|  | Programming...!                    |

# Summary

## **1. Superglobal variables and Form handling**