

Lab 7 – PHP a bit Deeper

Title: Exploring PHP a bit deeper
Aim: To practice features of PHP – functions, Arrays, Form Validation
Requirements: Write a program which will perform the following tasks:

You have to implement 4 ways of using PHP in a web page

- 1) Creating functions with constants, parameters and returning values
- 2) Using type of Arrays in PHP
- 3) Understanding GET & POST Methods
- 4) Collecting Data from forms example

1. Functions

```
<?php
function sum($x, $y) {
    $z = $x + $y;
    return $z;
}

echo "5 + 10 = " . sum(5, 10) . "<br>";
echo "7 + 13 = " . sum(7, 13) . "<br>";
echo "2 + 4 = " . sum(2, 4);
?>
```

Parameters to function

Return statement

2. Arrays

Indexed arrays - Arrays with a numeric index

```
$planes = array("Fighter", "Jet", "Boeing");
echo "I like " . $planes[0] . ", " . $planes[1] . " and " . $planes[2] . " .";
```

Associative arrays - Arrays with named keys

```
$city = array("Alan"=>"NY", "Mark"=>"CA", "Ali"=>"IL");
echo "Alan lives in" . $city['Alan'] . " .";
```

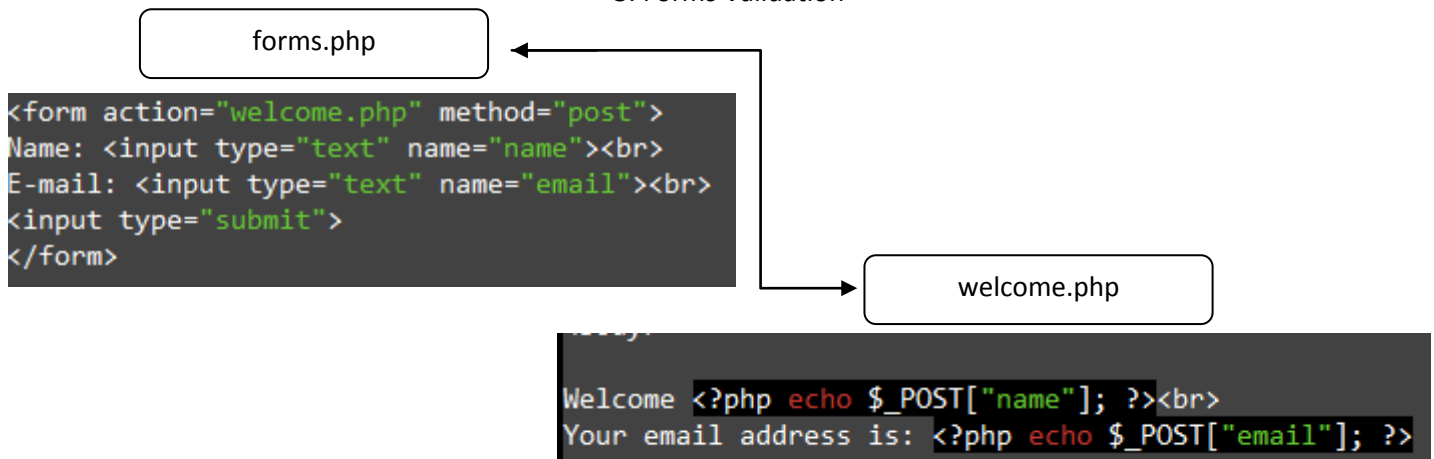
```
foreach($city as $x => $x_value) {
    echo "Key=" . $x . ", Value=" . $x_value;
    echo "<br>";
}
```

Multidimensional arrays - Arrays containing one or more arrays

Some important array functions in PHP

- sort() - sort arrays in ascending order
- rsort() - sort arrays in descending order
- asort() - sort associative arrays in ascending order, according to the value
- ksort() - sort associative arrays in ascending order, according to the key
- arsort() - sort associative arrays in descending order, according to the value
- krsort() - sort associative arrays in descending order, according to the key

3. Forms Validation



GET & POST: They both create associative array where keys are the name of controls and values are the input given from the user. They are **SUPER GLOBALS** (`$_GET[]` , `$_POST[]`) means they could accessed from anywhere regardless of scope. `$_GET` is an array containing variables passed via URL while `$_POST` is an array of variables passed via HTTP POST method. Recommendations are to use sensitive info via POST while info visible to the user should be done via GET.

4.

Name: *

E-mail: *

Website:

Comment:

Gender: ☐ Female ☐ Male *

Your Input:

Hint: form tag code will be

```
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
```

Try to access this forms data via php and show the output under Your Input label.

Lab Ends