

CSC443 – Lab 3

Create a folder named Lab3 in document root (www). All files from this exercise should be saved in this folder.

1. Basic syntax

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
echo "Hello world";
?>
</body>
</html>
```

- c) Save the file as first.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/first.php> in your browser.
- d) Observe the output.

2. Comment

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
// This is a comment
// echo "X equals $x";
$x += 10; // Increment $x by 10
echo $x;
/* This is a section
of multiline comments
that will not be
interpreted */
?>
</body>
</html>
```

- c) Save the file as comment.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/comment.php> in your browser.
- d) Observe the output.

3. Variable

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
$username = "Fred Smith"
echo $username;
echo "<br />";
$current_user = $username;
echo $current_user;
echo "<br />";
$num1 = 10.5;
echo $num1;
?>
</body>
</html>
```

- c) Save the file as variable.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/variable.php> in your browser.
- d) Observe the output.

4. Variable (Type casting)

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<head>
<title>Basic PHP Syntax</title>
</head>
<body>
<?php
$int = 12;
$double = 10.37;
$int = $int + $double;
echo $int;
?>
</body>
</html>
```

- c) Save the file as casting.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/casting.php> in your browser.
- d) Observe the output.

5. Output operation

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
$color = "red";
?>
<p>Roses are <?=$color?></p>
</body>
</html>
```

- c) Save the file as output.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/output.php> in your browser.
- d) Observe the output.

6. Formatting output

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
printf("%.2f", 123.456);
echo "<br />";
printf("%.10f", 123.456);
echo "<br />";
printf("%.0f", 123.456);
echo "<br />";
echo number_format("2500000",2);
?>
</body>
</html>
```

- c) Save the file as formatting.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/formatting.php> in your browser.
- d) Observe the output.

7. String manipulations

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
$txt1 = "Hello there, World!";
$txt2 = "Have a nice day!";
$greet = $txt1 . " " . $txt2
echo $greet;?>
echo "<br />";
echo strlen("Hello world!");
echo "<br />";
echo strpos("Hello world!", "world");
echo "<br />";
?>
</body>
</html>
```

- c) Save the file as string.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/string.php> in your browser.
- d) Observe the output.

8. For loop

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
for ($count = 1; $count <= 10; $count++) {
    if ( ($count % 3) == 0) {
        echo "$count is divisible by 3!<br>";
    }
}
?></body>
</html>
```

- c) Save the file as for.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/for.php> in your browser.
- d) Observe the output.

9. Using iteration structure, write PHP code to display the following in the browser. Save file as heading.php

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

10. User-defined function

- a) Create a new PHP document using a text editor (Notepad++, VS Code, Dreamweaver, etc).
- b) Copy the following.

```
<html>
<body>
<?php
function add($x, $y) {
    $sum = $x + $y;
    return $sum;
}

$num1 = 11;
$num2 = 15;
$summ = add($num1, $num2)
echo "$num1 + $num2 = " . $summ;
?>
</body>
</html>
```

- c) Save the file as string.php. Make sure your server is running. To execute the file, enter <http://localhost/Lab3/string.php> in your browser.
- d) Observe the output.