Web Programming II
DS3107

Lab 01

Lab Sheet

Embedding PHP in HTML

PHP code can be embedded within HTML using the standard PHP tags. In the following example, the <?php echo "Hello, PHP!"; ?> statement inserts a heading into the HTML document.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>PHP Syntax Example</title>
</head>
<body>
    <h1><?php echo "Hello, Welcome to PHP!"; ?></h1>
</body>
</html>
```

PHP is case sensitive

Check the output of the following code.

```php
<html>
<body>
<?
$capital = 67;
print("Variable capital is $capital<br>");
print("Variable CaPiTaL is $CaPiTaL<br>");
?>
</body>
</html>
```

Variable Types

Check the output of the following code segments.

```
$int_var = 12345;
$another_int = -12345 + 12345;
print($another_int +$int_var );
```

```
$many = 2.2888800;
$many_2 = 2.2111200;
$few = $many + $many_2;
print(.$many + $many_2 = $few.);
```

```
$string_1 = "This is a string in double quotes";
$string_2 = "This is a somewhat longer, singly quoted string";
$string_39 = "This string has thirty-nine characters";
$string_0 = ""; // a string with zero characters
```

N.B:
Singly quoted strings are treated almost literally, whereas doubly quoted strings replace variables with their values as well as specially interpret certain character sequences.

```
<?
$variable = "name";
$literally = 'My $variable will not print!\\n';
print($literally);
$literally = "My $variable will print!\\n";
print($literally);
?>
```

Arithmetic Operators

The following arithmetic operators are supported by PHP language: Assume variable A holds 10 and variable B holds 20 then:

Operator	Description	Example
+	Adds two operands	A + B will give 30
-	Subtracts second operand from the first	A - B will give -10
*	Multiply both operands	A * B will give 200
/	Divide the numerator by denominator	B / A will give 2
%	Modulus Operator and remainder of after an integer division	B % A will give 0
++	Increment operator, increases integer value by one	A++ will give 11
--	Decrement operator, decreases integer value by one	A-- will give 9

Code following PHP program in test.php file and keep it in your PHP Server's document root and browse it using any browser.

```
<html>
<head><title>Arithmetical Operators</title><head>
<body>
<?php
   $a = 42;
   $b = 20;

   $c = $a + $b;
   echo "Addition Operation Result: $c <br/>";
   $c = $a - $b;
   echo "Subtraction Operation Result: $c <br/>";
   $c = $a * $b;
   echo "Multiplication Operation Result: $c <br/>";
   $c = $a / $b;
   echo "Division Operation Result: $c <br/>";
   $c = $a % $b;
   echo "Modulus Operation Result: $c <br/>";
   $c = $a++;
   echo "Increment Operation Result: $c <br/>";
   $c = $a--;
   echo "Decrement Operation Result: $c <br/>";
?>
</body>
</html>
```