



Daffodil
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Lab Report

Experiment Name: Basic PHP

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Basic PHP

Display

Code Snippet:

```
<?php
echo "
<p>This is a paragraph of text.</p>";
?>
```

Output

This is a paragraph text.

Variables

Code Snippet:

```
<?php
$newText = "Greetings";
$newTemperature = 100;
$newIntensity = 7.8;

echo "<h1>$newText</h1>";
echo "Temperature: $newTemperature degrees Celsius<br>";
echo "Intensity: $newIntensity<br>";
?>
```

Output

Greetings

Temperature: 100 degrees Celsius

Intensity: 7.8

String

Code Snippet:

```
<?php
$newText = "Power resides where men believe it resides. It's a trick, a shadow on
the wall. And, a very small man can cast a very large shadow.";
$length = strlen($newText);
$wordCount = str_word_count($newText);

echo "<h1>Lord Varys Said, </h1>";
echo "<p>$newText</p>";
echo "<p>Length: $length</p>";
echo "<p>Word Count: $wordCount</p>";
?>
```

Output

Lord Varys Said,

Power resides where men believe it resides. It's a trick, a shadow on the wall. And, a very small man can cast a very large shadow.

Length: 133

Word Count: 27

Arithmetic Operation

Code Snippet:

```
<?php
$number1 = 10;
$number2 = 5;

$sum = $number1 + $number2; // Addition
$difference = $number1 - $number2; // Subtraction
$product = $number1 * $number2; // Multiplication
$quotient = $number1 / $number2; // Division
$remainder = $number1 % $number2; // Modulo (remainder)

echo "Sum: $sum<br>";
echo "Difference: $difference<br>";
echo "Product: $product<br>";
echo "Quotient: $quotient<br>";
echo "Remainder: $remainder<br>";
?>
```

Output

Sum: 15
Difference: 5
Product: 50
Quotient: 2
Remainder: 0

If-else condition

Code Snippet:

```
<?php
$grade = 85;

if ($grade >= 90 && $grade <= 100) {
```

```
    echo "You got an A!";
} elseif ($grade >= 80 && $grade < 90) {
    echo "You got a B.";
} elseif ($grade >= 70 && $grade < 80) {
    echo "You got a C.";
} elseif ($grade >= 60 && $grade < 70) {
    echo "You got a D.";
} else {
    echo "You got an F. Better luck next time.";
}
?>
```

Output

You got a B.

Switch

Code Snippet:

```
<?php
$dayOfWeek = "Monday";

switch ($dayOfWeek) {
    case "Monday":
        echo "It's the start of the week.";
        break;
    case "Tuesday":
        echo "It's the second day of the week.";
        break;
    case "Wednesday":
    case "Thursday":
        echo "It's midweek.";
        break;
    case "Friday":
        echo "It's almost the weekend.";
        break;
    default:
        echo "It's the weekend!";
}
```

```
?>
```

Output

It's the start of the week.

Loop

Code Snippet:

```
<?php
//Star Pyramid Size
$size = 5;
for($i=1;$i<=$size;$i++){
    for($j=1;$j<=$size-$i;$j++){
        echo "    ";
    }
    for($k=1;$k<=$i;$k++){
        echo "*    ";
    }
    echo "<br />";
}
?>
```

Output

```

    *
  *  *
 *  *  *
*  *  *  *
*  *  *  *  *
```

array

Code Snippet:

```
<?php
// Count the occurrences of a specific element in an array.
$fruits = array("apple", "banana", "orange", "banana", "apple", "kiwi", "apple");

$targetFruit = "apple";
$count = 0;
$length = count($fruits);

for ($i = 0; $i < $length; $i++) {
    if ($fruits[$i] == $targetFruit) {
        $count++;
    }
}

echo "The number of $targetFruit in the array is: $count";
?>
```

Output

The number of apple in the array is: 3

function

Code Snippet:

```
<?php
function findLargest($numbers) {
    $max = $numbers[0];
    $length = count($numbers);

    for ($i = 1; $i < $length; $i++) {
        if ($numbers[$i] > $max) {
            $max = $numbers[$i];
        }
    }
}
```

```
}  
  
    return $max;  
}  
  
$numbers = array(4, 7, 2, 9, 5, 1, 8);  
$maxNumber = findLargest($numbers);  
  
echo "The largest element in the array is: $maxNumber";  
?>
```

Output

The largest element in the array is: 9