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| |  | | --- | | **Lab Report** |     **Experiment Name: Basic PHP**    **SUBMITTED BY**   |  |  |  | | --- | --- | --- | | Name | ID | Section | | Kabid Yeiad | 202-15-14440 | 57\_A |   **SUBMITTED TO**  **Rahmatul Kabir Rasel Sarker,**  **Lecturer**  **Dept. of CSE**  **Daffodil International University**   |  | | --- | |  |   Submitted on November 2, 2023 |

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 "&nbsp;&nbsp;";

    }

    for($k=1;$k<=$i;$k++){

                echo "\*&nbsp;&nbsp;";

    }

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