**HANDOUT 1**

**Q1.** Analyze the script below. Execute the script and understand the working of the program.

<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>

**Q2**. Write a PHP script to initialize a variable and use increment and decrement operators on it.

**Q3**. Develop PHP script for demonstrating the usage of arithmetic operators.

**Q4.** Develop PHP scripts to demonstrate the following,

* 1. Logical operators b. Relational operators

**Q5.** Develop a PHP script to display the data type of a variable.

**Q6.** Write a PHP script to find whether the given number is Armstrong number or not.(An Armstrong number of three digits is an integer such that the sum of the cubes of its digits is equal to the number itself. For example, 371 is an Armstrong number since 3\*\*3 + 7\*\*3 + 1\*\*3 = 371)

**Q7**. Write a PHP script to check whether the given year is leap year or not.

**Q8.** Write a PHP script to find the smallest and largest ofa given three numbers.

**Q9.** Demonstrate the use of unset() function to destroy a variable.

**Q10**. Demonstrate casting technique: cast a variable to a specific type before using it.

## **Q11.** Create a P[HP Code to find the reverse of a number](http://www.programmingwala.com/2014/05/reverse-of-number-in-php.html) using do-while loop.