EXPERIMENT – 6

Working with String Manipulation, Numbers and Math Functions in PHP

Aim: To develop web pages to perform String Manipulations, Numbers and Math functions in PHP .

List of Activities:

1. Refer the source code given below and implement an similar program to create an calculator that has the functionality like 1-Add,2-Subtract,3-Multiply,4-Divide,5-Modulus as various options as buttons in the HTML Page. Format the web page similar to a calculator using various borders and colors using CSS.
   Rubrics for Grading includes Front-End View (30%), Back-End Code Optimization (20%), Execution and Completion (50%).

```
<!DOCTYPE html>
<html>
<head>
        <title>Simple Calculator Program in PHP - Tutorials
Class</title>
<?php
$first_num = $_POST['first_num'];
$second_num = $_POST['second_num'];
$operator = $_POST['operator'];
$result = '';
if (is_numeric($first_num) && is_numeric($second_num)) {
   switch ($operator) {
     case "Add":
       $result = $first_num + $second_num;
        break;
     case "Subtract":
       $result = $first_num - $second_num;
        break;
     case "Multiply":
       $result = $first_num * $second_num;
        break;
     case "Divide":
       $result = $first_num / $second_num;
   }
}

?>
</head>
```

```
<body>
   <div id="page-wrap">
       <h1>PHP - Simple Calculator Program</h1>
        <form action="" method="post" id="quiz-form">
        <p>
           <input type="number" name="first_num" id="first_num"
required="required" value="<?php echo $first_num; ?>" /> <b>First
Number</b>
        </p>
        <p>
           <input type="number" name="second_num"
id="second_num" required="required" value="<?php echo
$second_num; ?>" /> <b>Second Number</b>
        </p>
        <p>
           <input readonly="readonly" name="result" value="<?php
echo $result; ?>"> <b>Result</b>
        </p>
        <input type="submit" name="operator" value="Add" />
        <input type="submit" name="operator" value="Subtract" />
        <input type="submit" name="operator" value="Multiply" />
        <input type="submit" name="operator" value="Divide" />
        </form>
   </div>
</body>
</html>
```

2. Write a PHP program to perform an transpose on 2-D matrices using Indexed Array.