



Progressive Education Society's  
**MODERN COLLEGE OF ENGINEERING, Pune -05.**  
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

**MCA Department**

**PRACTICAL SUBMISSION RECORD- A.Y. 2024-25**

<b>Class: SYMCA</b> <b>Semester: III</b>	<b>Div: A</b>	<b>Course Code: MCA01605</b> <b>Course Name: Web Programming Laboratory</b>	<b>Batch: S2</b>
<b>Name: Pranav Raju Malwatkar</b>		<b>Roll No: 52037</b>	
<b>CO No:CO606.2</b>		<b>Assignment No: 12</b>	

**Title: Write a program to implement web service for calculator applications using PHP.**

**Code:**

**Index.php**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>PHP Calculator Web Service</title>**

**<style>**

**body {**

**font-family: 'Segoe UI', sans-serif;**

**background: linear-gradient(135deg, #f9f9faff, #353cc4ff);**

**color: #fff;**

**display: flex;**

**justify-content: center;**

**align-items: center;**

**height: 100vh;**

**}**

```
.container {  
  
    background: rgba(255, 255, 255, 0.1);  
  
    padding: 30px 40px;  
  
    border-radius: 15px;  
  
    box-shadow: 0 0 15px rgba(0,0,0,0.3);  
  
    text-align: center;  
  
    width: 320px;  
  
}
```

```
input, select, button {  
  
    margin: 10px 0;  
  
    padding: 10px;  
  
    width: 90%;  
  
    border: none;  
  
    border-radius: 8px;  
  
    font-size: 16px;  
  
}
```

```
input {  
  
    background: #fff;  
  
    color: #333;  
  
}
```

```
select {  
  
    background: #f1f1f1;  
  
}
```

```
button {
```

**background-color: #6c63ff;**

**color: white;**

**cursor: pointer;**

**transition: 0.3s;**

**}**

**button:hover {**

**background-color: #5145cd;**

**}**

**.result {**

**margin-top: 15px;**

**font-size: 18px;**

**font-weight: bold;**

**}**

**</style>**

**</head>**

**<body>**

**<div class="container">**

**<h2>Calculator Web Service</h2>**

**<form method="post" action="">**

**<input type="number" name="num1" placeholder="Enter first number" required><br>**

**<input type="number" name="num2" placeholder="Enter second number" required><br>**

**<select name="operation" required>**

**<option value="">Select Operation</option>**

**<option value="add">Addition (+)</option>**

**<option value="sub">Subtraction (-)</option>**

**<option value="mul">Multiplication (×)</option>**

**<option value="div">Division (÷)</option>**

**</select><br>**

**<button type="submit" name="calculate">Calculate</button>**

**</form>**

**<?php**

**// PHP Logic - Calculator Web Service**

**if (isset(\$\_POST['calculate'])) {**

**\$num1 = \$\_POST['num1'];**

**\$num2 = \$\_POST['num2'];**

**\$operation = \$\_POST['operation'];**

**\$result = "";**

**if (is\_numeric(\$num1) && is\_numeric(\$num2)) {**

**switch (\$operation) {**

**case "add":**

**\$result = \$num1 + \$num2;**

**break;**

**case "sub":**

**\$result = \$num1 - \$num2;**

**break;**

**case "mul":**

```
    $result = $num1 * $num2;

    break;

case "div":

    if ($num2 != 0) {

        $result = $num1 / $num2;

    } else {

        $result = "Error: Division by zero";

    }

    break;

default:

    $result = "Invalid Operation Selected";

    break;

}

echo "<div class='result'>Result: $result</div>";

} else {

    echo "<div class='result'>Please enter valid numbers!</div>";

}

}

?>

</div>

</body>

</html>
```

**Output:**

### Calculator Web Service

5

10

Multiplication (×)



Calculate

**Result: 50**