



MCA Department

PRACTICAL SUBMISSION RECORD- A.Y. 2024-25

Class: SYMCA	Div: A	Course Code: MCA01605	Batch: S2
Semester: III		Course Name: Web Programming Laboratory	
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CO No: CO606.2		Assignment No: 12	

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