

**Ex. No. 8****Event Handling**

Write a JavaScript program to develop a simple calculator (with basic arithmetic operations like add, subtract, multiply, divide, equal to) by getting two` numbers in two text boxes, buttons for operations and display the result in the third text box. (Event Handling)

**AIM:**

To develop a simple calculator with basic arithmetic operations like add, subtract, multiply & divide by getting two numbers in two text boxes, buttons for operations and display the result in the third text box.

**PROGRAM:**

```
<!DOCTYPE html>
<html>
<head>
  <title>Simple Calculator</title>
<style>
input[type="text"] {
  width: 220px;
  padding: 10px;
  margin: 10px;
  border: 3px solid #dad;
  border-radius: 5px;
}
h1 {
  margin:10px;
}
button {
  padding: 10px 18px;
  margin: 10px;
  border: none;
  background-color: #007baa;
  color: white;
  font-size:18px;
  font-weight:bold;
  border-radius: 5px;
  cursor: pointer;
```

```

}
button:hover {
    background-color: #bb99cc;
}
</style>
</head>
<body>
<fieldset style="width:270px"><legend><h2>Simple Calculator</h2></legend>
    <input type="text" id="num1" placeholder="Enter first number">
    <br>
    <input type="text" id="num2" placeholder="Enter second number">
    <br>
    <button onclick="add()">+</button>
    <button onclick="subtract()">-</button>
    <button onclick="multiply()">x</button>
    <button onclick="divide()">/</button>
    <br>
    <input type="text" id="result" placeholder="Result" readonly>
</fieldset>
<script>
    function add() {
        let num1 = parseFloat(document.getElementById('num1').value);
        let num2 = parseFloat(document.getElementById('num2').value);
        document.getElementById('result').value = num1 + num2;
    }

    function subtract() {
        let num1 = parseFloat(document.getElementById('num1').value);
        let num2 = parseFloat(document.getElementById('num2').value);
        document.getElementById('result').value = num1 - num2;
    }

    function multiply() {
        let num1 = parseFloat(document.getElementById('num1').value);
        let num2 = parseFloat(document.getElementById('num2').value);
        document.getElementById('result').value = num1 * num2;
    }

    function divide() {
        let num1 = parseFloat(document.getElementById('num1').value);

```

```
        let num2 = parseFloat(document.getElementById('num2').value);
        if (num2 === 0) {
            alert("Cannot divide by zero");
        } else {
            document.getElementById('result').value = num1 / num2;
        }
    }
</script>
</body>
</html>
```

### **RESULT:**

Thus the javascript program to develop a simple calculator with basic arithmetic operations has been executed successfully.