



**Department of Software Engineering**  
**Web Engineering**

**Lab # 10**

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# TASK 1

## HTML File Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Marks Calculator</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <h1 class="heading">Marks Calculator</h1>
  <div class="container">
    <form onsubmit="return false;">
      <label for="sub1">Subject 1:</label>
      <input type="number" name="sub1" id="sub1" class="subjects">
      <br>
      <label for="sub2">Subject 2:</label>
      <input type="number" name="sub2" id="sub2" class="subjects">
      <br>
      <label for="sub3">Subject 3:</label>
      <input type="number" name="sub3" id="sub3" class="subjects">
      <br>
      <label for="result" style="margin-right: 23px;">Result:</label>
      <input type="number" name="result" id="result" class="subjects">
    </form>
    <br>
  </div>
```

```
<button class="buttons" onclick="sum()">Add </button>
<button class="buttons" onclick="subtract()">Subtract</button>
<button class="buttons" onclick="multiply()">Multiply </button>
<button class="buttons" onclick="divide()">Divide </button>
</div>
</div>
<script>
function sum() {
    var a = parseFloat(document.getElementById("sub1").value);
    var b = parseFloat(document.getElementById("sub2").value);
    var c = parseFloat(document.getElementById("sub3").value);
    var finalResult = a + b + c;
    document.getElementById("result").value = finalResult;
}

function subtract() {
    var a = parseFloat(document.getElementById("sub1").value);
    var b = parseFloat(document.getElementById("sub2").value);
    var c = parseFloat(document.getElementById("sub3").value);
    var finalResult = a - b - c;
    document.getElementById("result").value = finalResult;
}

function multiply() {
    var a = parseFloat(document.getElementById("sub1").value);
    var b = parseFloat(document.getElementById("sub2").value);
    var c = parseFloat(document.getElementById("sub3").value);
    var finalResult = a * b * c;
    document.getElementById("result").value = finalResult;
}
```

```
}

function divide() {
    var a = parseFloat(document.getElementById("sub1").value);
    var b = parseFloat(document.getElementById("sub2").value);
    var c = parseFloat(document.getElementById("sub3").value);
    var finalResult = a / b / c;
    document.getElementById("result").value = finalResult;
}
</script>
</body>
</html>
```

### CSS FILE:

```
body {

    margin: 0;
    padding: 0;
    box-sizing: border-box;
    background-color: #f2f2f2;
}

.heading{
    display: flex;
    justify-content: center;
    align-items: center;
    background-color: beige;
}

.container{
```

```
width: 500px;
margin: 100px auto;
}
label{
  font-size: 20px;
}
.subjects{
  margin-top: 10px;
  background-color: floralwhite;
  padding: 10px;
  border-radius: 20px;
}

.buttons{
  background-color: rgb(162, 228, 240);
  padding: 10px 10px;
  font-weight: bolder;
  border: none;
  border-radius: 20px;
  font-size: 15px;
  cursor: pointer;
}
.buttons:hover{
  background-color: rgb(57, 224, 253);
  cursor: pointer;
  border: 1px solid rgb(9, 134, 172);
}
```

# OUTPUT

## Marks Calculator

Subject 1:

Subject 2:

Subject 3:

Result:

Add

Subtract

Multiply

Divide

## Task 2

## HTML FILE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Calculator</title>
</head>
<body>

</body>
</html>

<style>
  body {
    background-color: #abd4ef;
    display: flex;
    align-items: center;
    justify-content: center;
    height: 100vh;
    margin: 0;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  }

  .calculator {
```

```
        margin: 50px auto;
        padding: 20px;
        width: 300px;
        background-color: #ecf0f1;
        border: 1px solid #bdc3c7;
        border-radius: 8px;
        box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    }

    input[type="text"] {
        width: calc(100% - 10px);
        margin-bottom: 10px;
        padding: 10px;
        border-radius: 5px;
        border: 1px solid #bdc3c7;
        font-size: 24px;
        text-align: right;
        outline: none;
    }

    table {
        width: 100%;
    }

    button {
        width: 100%;
        height: 50px;
        background-color: #3498db;
        border: 1px solid #2980b9;
        border-radius: 5px;
        font-size: 20px;
        margin: 2px;
        cursor: pointer;
        color: #fff;
        transition: background-color 0.3s ease;
    }

    button:hover {
        background-color: #2980b9;
    }

    td {
        text-align: center;
    }

</style>

<body>
```

```
<div class="calculator">
  <input type="text" id="result" readonly>
  <table>
    <tr>
      <td><button onclick="clearResult()">C</button></td>
      <td><button onclick="backspace()"><</button></td>
      <td><button onclick="insert('%')">%</button></td>
      <td><button onclick="insert('/')">/</button></td>
    </tr>
    <tr>
      <td><button onclick="insert('7')">7</button></td>
      <td><button onclick="insert('8')">8</button></td>
      <td><button onclick="insert('9')">9</button></td>
      <td><button onclick="insert('*')">*</button></td>
    </tr>
    <tr>
      <td><button onclick="insert('4')">4</button></td>
      <td><button onclick="insert('5')">5</button></td>
      <td><button onclick="insert('6')">6</button></td>
      <td><button onclick="insert('-')">-</button></td>
    </tr>
    <tr>
      <td><button onclick="insert('1')">1</button></td>
      <td><button onclick="insert('2')">2</button></td>
      <td><button onclick="insert('3')">3</button></td>
      <td><button onclick="insert('+')">+</button></td>
    </tr>
    <tr>
      <td colspan="2"><button onclick="insert('0')">0</button></td>
      <td><button onclick="insert('.')">.</button></td>
      <td><button onclick="calculate()">=</button></td>
    </tr>
  </table>
</div>

<script>
  let result = document.getElementById('result');

  function insert(char) {
    result.value += char;
  }

  function clearResult() {
    result.value = '';
  }

  function backspace() {
```



```
        result.value = result.value.slice(0, -1);
    }

    function calculate() {
        try {
            result.value = eval(result.value);
        } catch (error) {
            result.value = 'Error';
        }
    }

</script>

</body>
</html>
```

## OUTPUT

