

## SIMPLE CALCULATOR MLSA ASSIGNMENT

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
      background-color: #f4f4f4;
    }

    .calculator {
      background-color: #fff;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

    #result {
      width: 100%;
      padding: 10px;
      margin-bottom: 20px;
      font-size: 24px;
      text-align: right;
      border: none;
      background-color: #f0f0f0;
      border-radius: 5px;
    }

    .buttons {
      display: grid;
      grid-template-columns: repeat(4, 1fr);
      gap: 10px;
    }
```

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button {
    padding: 20px;
    font-size: 18px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    background-color: #ddd;
    transition: background-color 0.3s;
}

button:hover {
    background-color: #ccc;
}

button.clear {
    background-color: #f44336;
    color: #fff;
}

button.equal {
    background-color: #4CAF50;
    color: #fff;
}
</style>
</head>
<body>

<div class="calculator">
    <input type="text" id="result" readonly>
    <div class="buttons">
        <button onclick="clearResult()" class="clear">C</button>
        <button onclick="appendValue('7')">7</button>
        <button onclick="appendValue('8')">8</button>
        <button onclick="appendValue('9')">9</button>
        <button onclick="appendValue('/')">/</button>
        <button onclick="appendValue('4')">4</button>
        <button onclick="appendValue('5')">5</button>
        <button onclick="appendValue('6')">6</button>
        <button onclick="appendValue('*')">*</button>
        <button onclick="appendValue('1')">1</button>
        <button onclick="appendValue('2')">2</button>
        <button onclick="appendValue('3')">3</button>
        <button onclick="appendValue('-')">-</button>
        <button onclick="appendValue('0')">0</button>
    </div>
    </div>

```

```
    <button onclick="appendValue('.')">.</button>
    <button onclick="calculateResult()" class="equal">=</button>
    <button onclick="appendValue('+')">+</button>
  </div>
</div>

<script>
  function appendValue(value) {
    document.getElementById('result').value += value;
  }

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

  function calculateResult() {
    let result = document.getElementById('result').value;
    document.getElementById('result').value = eval(result);
  }
</script>

</body>
</html>
```

