

Sub : SEM-II

Practical : 03

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<!DOCTYPE html>
<html>
<head>
  <title>Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      display: flex;
      justify-content: center;
      align-items: flex-start;
      height: 100vh;
      margin: 0;
      background-color: #f4f4f4;
    }
    .calculator {
      margin-top: 80px;
      border: 2px solid #8f4242;
      border-radius: 10px;
      padding: 20px;
      background-color: white;
      text-align: center;
    }
    h2 {
      margin-top: 0;
      margin-bottom: 20px;
    }
    #display {
      width: 100%;
      height: 50px;
      margin-bottom: 10px;
      font-size: 24px;
      text-align: right;
      padding: 5px;
      box-sizing: border-box;
    }
    table {
      width: 100%;
      border-collapse: collapse;
    }
    td {
      padding: 5px;
    }
  </style>

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button {
  width: 100%;
  height: 60px;
  font-size: 18px;
  border: none;
  border-radius: 5px;
  background-color: #e0e0e0;
}
button:hover {
  background-color: #d0d0d0;
}
.operator {
  background-color: #e99313;
  color: rgb(53, 16, 141);
}
.operator:hover {
  background-color: #f0eae2;
}
.equals {
  background-color: #32be16;
  color: white;
}
.equals:hover {
  background-color: #45a049;
}
.clear {
  background-color: #f44336;
  color: white;
}
.clear:hover {
  background-color: #d32f2f;
}
</style>
</head>
<body>
<div class="calculator">
  <h2>Calculator</h2>
  <input type="text" id="display" readonly>
  <table>
    <tr>
      <td><button onclick="appendToDisplay('7')">7</button></td>
      <td><button onclick="appendToDisplay('8')">8</button></td>
      <td><button onclick="appendToDisplay('9')">9</button></td>
      <td><button onclick="appendToDisplay('+)" class="operator">+</button></td>
    </tr>
    <tr>
      <td><button onclick="appendToDisplay('4')">4</button></td>

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        <td><button onclick="appendToDisplay('5')">5</button></td>
        <td><button onclick="appendToDisplay('6')">6</button></td>
        <td><button onclick="appendToDisplay('-')" class="operator">-</button></td>
    </tr>
    <tr>
        <td><button onclick="appendToDisplay('1')">1</button></td>
        <td><button onclick="appendToDisplay('2')">2</button></td>
        <td><button onclick="appendToDisplay('3')">3</button></td>
        <td><button onclick="appendToDisplay('*')" class="operator">×</button></td>
    </tr>
    <tr>
        <td><button onclick="appendToDisplay('0')">0</button></td>
        <td><button onclick="clearDisplay()" class="clear">C</button></td>
        <td><button onclick="calculate()" class="equals">=</button></td>
        <td><button onclick="appendToDisplay('/')" class="operator">÷</button></td>
    </tr>
</table>
</div>

<script>
    var currentInput = "";

    function appendToDisplay(value) {
        currentInput += value;
        document.getElementById('display').value = currentInput;
    }

    function clearDisplay() {
        currentInput = "";
        document.getElementById('display').value = "";
    }

    function calculate() {
        const result = eval(currentInput);
        document.getElementById('display').value = result;
        currentInput = result.toString();
    }
</script>
</body>
</html>

```

