

Bigger project-5

Develop a simple calculator using plain javascript or any frontend library(no server required)

```
<!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 {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
      font-family: 'Arial', sans-serif;
      background-color: #f5f5f5;
    }

    #calculator {
      background-color: #fff;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      padding: 20px;
      text-align: center;
    }

    input {
      width: 100%;
      padding: 10px;
      font-size: 20px;
      margin-bottom: 10px;
      box-sizing: border-box;
    }

    button {
      width: 50px;
      height: 50px;
      font-size: 18px;
      margin: 5px;
      cursor: pointer;
      background-color: #4caf50;
      color: #fff;
      border: none;
      border-radius: 4px;
    }
  </style>
</head>
<body>
  <div id="calculator">
    <input type="text"/>
    <div>
      <button>+</button>
      <button>-</button>
      <button>*</button>
      <button>/</button>
      <button>=</button>
      <button>C</button>
    </div>
  </div>
</body>
</html>
```

```

        transition: background-color 0.3s;
    }

    button.operator {
        background-color: #ff9800;
    }

    button.clear {
        background-color: #e74c3c;
    }

    button.equal {
        background-color: #3498db;
    }

    button:hover {
        background-color: #45a049;
    }
</style>
</head>
<body>

<div id="calculator">
    <input id="display" readonly>
    <br>
    <button onclick="appendToDisplay('1')">1</button>
    <button onclick="appendToDisplay('2')">2</button>
    <button onclick="appendToDisplay('3')">3</button>
    <button onclick="appendToDisplay('+)' " class="operator">+</button>
    <br>
    <button onclick="appendToDisplay('4')">4</button>
    <button onclick="appendToDisplay('5')">5</button>
    <button onclick="appendToDisplay('6')">6</button>
    <button onclick="appendToDisplay('-)' " class="operator">-</button>
    <br>
    <button onclick="appendToDisplay('7')">7</button>
    <button onclick="appendToDisplay('8')">8</button>
    <button onclick="appendToDisplay('9')">9</button>
    <button onclick="appendToDisplay('*)' " class="operator">*</button>
    <br>
    <button onclick="appendToDisplay('0')">0</button>
    <button onclick="clearDisplay()" class="clear">C</button>
    <button onclick="calculateResult()" class="equal">=</button>
    <button onclick="appendToDisplay('/') " class="operator">/</button>
</div>

<script>
    function appendToDisplay(value) {

```

```
document.getElementById('display').value += value;
}

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

function calculateResult() {
  const displayValue = document.getElementById('display').value;
  try {
    const result = eval(displayValue);
    document.getElementById('display').value = result;
  } catch (error) {
    document.getElementById('display').value = 'Error';
  }
}
</script>

</body>
</html>
```

