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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>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: yellow;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }
    input {
      width: 100%;
      padding: 10px;
      margin-bottom: 10px;
      text-align: right;
      font-size: 20px;
      border: 1px solid #ddd;
      border-radius: 5px;
    }
    .buttons {
      display: grid;
      grid-template-columns: repeat(4, 1fr);
      gap: 10px;
    }
    .buttons button {
      padding: 20px;
      font-size: 20px;
      border: none;
    }
  </style>
</head>
<body>
  <div class="calculator">
    <input type="text" value="0"/>
    <div class="buttons">
      <button>C</button>
      <button>CE</button>
      <button>MC</button>
      <button>M</button>
      <button>1</button>
      <button>2</button>
      <button>3</button>
      <button>4</button>
      <button>5</button>
      <button>6</button>
      <button>7</button>
      <button>8</button>
      <button>9</button>
      <button>0</button>
      <button>+</button>
      <button>-</button>
      <button>*</button>
      <button>/</button>
      <button>=</button>
    </div>
  </div>
</body>
</html>
```

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        background-color: #f0f0f0;
        cursor: pointer;
        border-radius: 5px;
        transition: background-color 0.3s;
    }
    .buttons button:hover {
        background-color: #ddd;
    }
</style>
</head>
<body>

<div class="calculator">
    <input type="text" id="display" disabled>
    <div class="buttons">
        <button onclick="appendNumber('7')">7</button>
        <button onclick="appendNumber('8')">8</button>
        <button onclick="appendNumber('9')">9</button>
        <button onclick="appendOperator('+')">+</button>
        <button onclick="appendNumber('4')">4</button>
        <button onclick="appendNumber('5')">5</button>
        <button onclick="appendNumber('6')">6</button>
        <button onclick="appendOperator('-')">-</button>
        <button onclick="appendNumber('1')">1</button>
        <button onclick="appendNumber('2')">2</button>
        <button onclick="appendNumber('3')">3</button>
        <button onclick="appendOperator('*')">*</button>
        <button onclick="appendNumber('0')">0</button>
        <button onclick="clearDisplay()">C</button>
        <button onclick="calculateResult()">=</button>
        <button onclick="appendOperator('/')">/</button>
    </div>
</div>

<script>
    function appendNumber(number) {
        document.getElementById('display').value += number;
    }

    function appendOperator(operator) {

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    let display = document.getElementById('display');
    let currentValue = display.value;
    // Prevent adding an operator if the last character is already an
operator
    if (currentValue && !['+', '-', '*',
 '/' ].includes(currentValue.charAt(currentValue.length - 1))) {
        display.value += operator;
    }
}

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

function calculateResult() {
    let display = document.getElementById('display');
    let result;
    try {
        result = eval(display.value); // eval will evaluate the
string as a mathematical expression
        display.value = result;
    } catch {
        display.value = 'Error';
    }
}
</script>

</body>
</html>
```