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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;
      background-color: #f4f4f4;
    }

    .calculator {
      width: 300px;
      margin: 0 auto;
      background-color: #fff;
      border: 1px solid #ccc;
      box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
      border-radius: 5px;
      padding: 20px;
    }

    .result {
      font-size: 24px;
      text-align: right;
      margin-bottom: 10px;
    }

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

    .button {
      padding: 10px;
      text-align: center;
      background-color: #333;
      color: #fff;
      cursor: pointer;
      border: none;
      border-radius: 5px;
      font-size: 18px;
    }

    .button:hover {
      background-color: #555;
    }
  </style>
</head>
<body>
  <div class="calculator">
    <div class="result" id="result">0</div>
    <div class="buttons">
      <button class="button" onclick="clearResult()">C</button>
      <button class="button" onclick="appendToResult('7')">7</button>
      <button class="button" onclick="appendToResult('8')">8</button>
    </div>
  </div>
</body>
</html>
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<button class="button" onclick="appendToResult('9')">9</button>
<button class="button" onclick="appendToResult('4')">4</button>
<button class="button" onclick="appendToResult('5')">5</button>
<button class="button" onclick="appendToResult('6')">6</button>
<button class="button" onclick="appendToResult('1')">1</button>
<button class="button" onclick="appendToResult('2')">2</button>
<button class="button" onclick="appendToResult('3')">3</button>
<button class="button" onclick="appendToResult('0')">0</button>
<button class="button" onclick="appendToResult('.')">.</button>
<button class="button" onclick="calculate()">=</button>
<button class="button" onclick="appendToResult('+')">+</button>
<button class="button" onclick="appendToResult('-')">-</button>
<button class="button" onclick="appendToResult('*')">*</button>
<button class="button" onclick="appendToResult('/')">/</button>
</div>
</div>

<script>
  let currentResult = "0";

  function updateResult() {
    document.getElementById("result").innerText = currentResult;
  }

  function appendToResult(value) {
    if (currentResult === "0" && value !== ".") {
      currentResult = value;
    } else {
      currentResult += value;
    }
    updateResult();
  }

  function clearResult() {
    currentResult = "0";
    updateResult();
  }

  function calculate() {
    try {
      currentResult = eval(currentResult);
      updateResult();
    } catch (error) {
      currentResult = "Error";
      updateResult();
    }
  }
</script>
</body>
</html>

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