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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>Interactive Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }

    .calculator {
      background: #fff;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
      width: 300px;
    }

    .display {
      font-size: 2rem;
      background: #e0e0e0;
      padding: 10px;
      border-radius: 5px;
      margin-bottom: 10px;
      text-align: right;
    }

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

    button {
      padding: 15px;
      font-size: 1.2rem;
      background-color: #4CAF50;
      color: white;
      border: none;
      border-radius: 5px;
      cursor: pointer;
      transition: background-color 0.3s ease;
    }

    button:hover {
      background-color: #45a049;
    }

    .operator {
      background-color: #2196F3;
    }
  </style>
</head>
</html>
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        .operator:hover {
            background-color: #1e88e5;
        }

        .clear {
            background-color: #f44336;
        }

        .clear:hover {
            background-color: #e53935;
        }
    </style>
</head>
<body>
    <div class="calculator">
        <div id="display" class="display"></div>
        <div class="buttons">
            <button onclick="appendNumber('7')">7</button>
            <button onclick="appendNumber('8')">8</button>
            <button onclick="appendNumber('9')">9</button>
            <button class="operator" onclick="setOperation('/')">÷</button>
            <button onclick="appendNumber('4')">4</button>
            <button onclick="appendNumber('5')">5</button>
            <button onclick="appendNumber('6')">6</button>
            <button class="operator" onclick="setOperation('*')">×</button>
            <button onclick="appendNumber('1')">1</button>
            <button onclick="appendNumber('2')">2</button>
            <button onclick="appendNumber('3')">3</button>
            <button class="operator" onclick="setOperation('-')">-</button>
            <button onclick="appendNumber('0')">0</button>
            <button onclick="appendNumber('.')">.</button>
            <button class="operator" onclick="setOperation('+')">+</button>
            <button class="clear" onclick="clearDisplay()">C</button>
            <button class="operator" onclick="calculate()">=</button>
        </div>
    </div>

    <script>
        let display = document.getElementById("display");
        let currentNumber = "";
        let previousNumber = "";
        let operation = null;

        function appendNumber(number) {
            currentNumber += number;
            display.innerText = currentNumber;
        }

        function setOperation(op) {
            if (currentNumber === "") return;
            if (previousNumber !== "") calculate();
            operation = op;
            previousNumber = currentNumber;
            currentNumber = "";
        }

        function calculate() {
            if (operation === null || currentNumber === "") return;
            let result;

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const prev = parseFloat(previousNumber);
const curr = parseFloat(currentNumber);

if (isNaN(prev) || isNaN(curr)) return;

switch (operation) {
  case "+":
    result = prev + curr;
    break;
  case "-":
    result = prev - curr;
    break;
  case "*":
    result = prev * curr;
    break;
  case "/":
    result = prev / curr;
    break;
  default:
    return;
}

currentNumber = result.toString();
operation = null;
previousNumber = "";
display.innerText = currentNumber;
}

function clearDisplay() {
  currentNumber = "";
  previousNumber = "";
  operation = null;
  display.innerText = "";
}
</script>
</body>
</html>
```