Calculator.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="styles.css">

<title>Calculator</title>

</head>

<body>

<div id="calculator">

<div id="display">0</div>

<button class="operator" onclick="clearDisplay()">=</button>

<button class="operator" onclick="appendOperator('7')">7</button>

<button onclick="appendToDisplay('8')">8</button>

<button onclick="appendToDisplay('9')">9</button>

<button onclick="appendToDisplay('/')">/</button>

<button class="operator" onclick="appendOperator('4')">4</button>

<button onclick="appendToDisplay('5')">5</button>

<button onclick="appendToDisplay('6')">6</button>

<button onclick="appendToDisplay('\*')">\*</button>

<button class="operator" onclick="appendOperator('1')">1</button>

<button onclick="appendToDisplay('2')">2</button>

<button onclick="appendToDisplay('3')">3</button>

<button onclick="appendToDisplay('-')">-</button>

<button class="operator" onclick="appendOperator('0')">0</button>

<button onclick="appendToDisplay('+')">+</button>

<button onclick="appendDecimal()">.</button>

<button id="equal" onclick="calculate()">c</button>

</div>

<script src="script.js"></script>

</body>

</html>

Calculator.css

body {

font-family: 'Arial', sans-serif;

display: flex;

align-items: center;

justify-content: center;

height: 100vh;

margin: 0;

}

#calculator {

display: grid;

grid-template-columns: repeat(4, 1fr);

grid-gap: 10px;

max-width: 300px;

margin: auto;

}

#display {

grid-column: span 4;

background-color: #FFFAF0;

padding: 10px;

text-align: right;

font-size: 1.5em;

}

button {

background-color: #FFFAF0;

border: 1px solid #000000;

padding: 15px;

font-size: 1.2em;

cursor: pointer;

}

button:hover {

background-color: #000000;

}

.operator {

background-color: #FFFAF0;

color: #000000;

}

Calculator.js

let displayValue = '0';

function updateDisplay() {

document.getElementById('display').innerText = displayValue;

}

function appendToDisplay(value) {

if (displayValue === '0' || displayValue === 'Error') {

displayValue = value;

} else {

displayValue += value;

}

updateDisplay();

}

function appendOperator(operator) {

if (displayValue !== 'Error') {

displayValue += operator;

updateDisplay();

}

}

function appendDecimal() {

if (!displayValue.includes('.')) {

displayValue += '.';

updateDisplay();

}

}

function clearDisplay() {

displayValue = '0';

updateDisplay();

}

function calculate() {

try {

displayValue = eval(displayValue).toString();

updateDisplay();

} catch (error) {

displayValue = 'Error';

updateDisplay();

}

}