<html>

<head>

<style>

body {

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

background-color: #f2f2f2;

margin: 0;

}

.calculator {

width: 300px;

background-color: #fff;

border-radius: 15px;

box-shadow: 0 8px 16px rgba(0, 0, 0, 0.1);

padding: 20px;

}

.display {

width: 100%;

height: 50px;

text-align: right;

font-size: 1.5rem;

padding: 10px;

margin-bottom: 20px;

border: none;

background-color: #ffeb3b;

border-radius: 8px;

color: #333;

}

.buttons {

display: grid;

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

gap: 10px;

}

.button {

background-color: #03a9f4;

border: none;

font-size: 1.5rem;

padding: 20px;

cursor: pointer;

border-radius: 10px;

transition: background-color 0.3s, transform 0.2s;

color: white;

}

.button:hover {

background-color: #0288d1;

transform: scale(1.1);

}

.button:active {

transform: scale(0.95);

}

.button.clear {

background-color: #ff5722;

}

.button.clear:hover {

background-color: #e64a19;

}

.button.equal {

background-color: #8bc34a;

}

.button.equal:hover {

background-color: #689f38;

}

.button.operator {

background-color: #ff9800;

}

.button.operator:hover {

background-color: #f57c00;

}

</style>

</head>

<body>

<div class="calculator">

<input type="text" id="display" class="display" disabled>

<div class="buttons">

<button class="button clear" onclick="clearDisplay()">C</button>

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

<button class="button operator" onclick="appendOperation('\*')">\*</button>

<button class="button operator" onclick="appendOperation('-')">-</button>

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

<button class="button" onclick="appendNumber('8')">8</button>

<button class="button" onclick="appendNumber('9')">9</button>

<button class="button operator" onclick="appendOperation('+')">+</button>

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

<button class="button" onclick="appendNumber('5')">5</button>

<button class="button" onclick="appendNumber('6')">6</button>

<button class="button equal" onclick="calculate()">=</button>

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

<button class="button" onclick="appendNumber('2')">2</button>

<button class="button" onclick="appendNumber('3')">3</button>

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

</div>

</div>

<script>

let currentInput = '';

let currentOperation = '';

let previousInput = '';

function appendNumber(number) {

currentInput += number;

document.getElementById('display').value = `${previousInput} ${currentOperation} ${currentInput}`;

}

function appendOperation(operation) {

if (currentInput === '') return;

if (previousInput !== '') {

calculate(); // Calculate the previous operation before appending a new one

}

currentOperation = operation;

previousInput = currentInput;

currentInput = '';

document.getElementById('display').value = `${previousInput} ${currentOperation}`;

}

function calculate() {

if (previousInput === '' || currentInput === '') return;

let result;

let prev = parseFloat(previousInput);

let current = parseFloat(currentInput);

switch (currentOperation) {

case '+':

result = prev + current;

break;

case '-':

result = prev - current;

break;

case '\*':

result = prev \* current;

break;

case '/':

if (current === 0) {

alert("Cannot divide by zero");

return;

}

result = prev / current;

break;

default:

return;

}

currentInput = result.toString();

currentOperation = '';

previousInput = '';

document.getElementById('display').value = currentInput;

}

function clearDisplay() {

currentInput = '';

previousInput = '';

currentOperation = '';

document.getElementById('display').value = '';

}

</script>

</body>

</html>

OUTPUT:

