**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Calculator</title>

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

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

</head>

<body>

<div class="calculator">

<input type="text" id="output" disabled>

<div class="buttons">

<button onclick="clearOutput()">C</button>

<button onclick="appendToOutput('7')">7</button>

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

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

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

<button onclick="appendToOutput('4')">4</button>

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

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

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

<button onclick="appendToOutput('1')">1</button>

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

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

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

<button onclick="appendToOutput('0')">0</button>

<button onclick="calculateResult()">=</button>

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

<button onclick="appendToOutput('%')">%</button>

</div>

</div>

</body>

</html>

**style.css**

body {

font-family: Arial, sans-serif; display: flex;

justify-content: center; align-items: center; height: 100vh;

background-color: #f0f0f0;

}

.calculator {

border: 1px solid #ccc; padding: 20px;

border-radius: 10px; background-color: white;

}

input {

width: 100%; height: 40px;

text-align: right; margin-bottom: 10px;

}

.buttons {

display: grid;

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

gap: 10px;

}

button {

padding: 20px; font-size: 18px;

}

**script.js**

function appendToOutput(value) {

const output = document.getElementById('output'); output.value += value;

}

function clearOutput() { document.getElementById('output').value = '';

}

function calculateResult() {

const output = document.getElementById('output'); const expression = output.value;

if (!isValidExpression(expression)) { alert('Invalid input'); clearOutput();

return;

}

try {

const result = eval(expression); output.value = result;

} catch (error) {

alert('Error in calculation'); clearOutput();

}

}

function isValidExpression(expression) {

const validChars = /^[0-9+\-\*/%() ]\*$/; return validChars.test(expression);

}

**OUTPUT:**

