<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,

initial-scale=1.0">

<title>Simple Calculator</title>

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

<style>

    body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

}

.calculator-container {

background-color: white;

padding: 20px;

border-radius: 10px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

text-align: center;

}

input[type="number"] {

width: 200px;

padding: 10px;

margin: 5px;

border-radius: 5px;

border: 1px solid #ccc;

}

button {

padding: 10px 20px;

margin: 10px;

border: none;

background-color: #4CAF50;

color: white;

border-radius: 5px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

h1 {

font-size: 24px;

color: #333;

}

h3 {

font-size: 20px;

color: #333;

}

</style>

</head>

<body>

<div class="calculator-container">

<h1>Simple Calculator</h1>

<form name="calculator">

<input type="number" name="num1" id="num1"

placeholder="Enter first number" required>

<input type="number" name="num2" id="num2"

placeholder="Enter second number" required>

<br><br>

<button type="button"

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

<button type="button"

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

<button type="button"

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

<button type="button"

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

<br><br>

<h3>Result: <span id="result">0</span></h3>

</form>

</div>

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

</body>

</html>

<script>

    // Function to perform the selected operation

function performOperation(operator) {

// Get input values from the form

let num1 = parseFloat(document.calculator.num1.value);

let num2 = parseFloat(document.calculator.num2.value);

let result = 0;

// Check if the inputs are valid numbers

if (isNaN(num1) || isNaN(num2)) {

document.getElementById('result').innerText =

"Please enter valid numbers!";

return;

}

// Perform the operation based on the operator

switch (operator) {

case '+':

result = num1 + num2;

break;

case '-':

result = num1 - num2;

break;

case '\*':

result = num1 \* num2;

break;

case '/':

// Handle division by zero error

if (num2 === 0) {

document.getElementById('result').innerText

= "Error: Division by zero!";

return;

} else {

result = num1 / num2;

}

break;

default:

document.getElementById('result').innerText =

"Invalid operation!";

return;

}

// Display the result dynamically on the webpage

document.getElementById('result').innerText = result;

}

</script>