**Create a simple calculator application that can perform basic arithmetic operations such as addition, subtraction, multiplication, and division. The application should have input fields for users to enter two numbers and buttons for each operation. When the user clicks on the operation button, display the result of the operation.**

<!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>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

}

input[type="number"] {

width: 200px;

padding: 10px;

margin: 10px;

}

button {

padding: 10px 20px;

margin: 10px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<h2>Simple Calculator</h2>

<input type="number" id="num1" placeholder="Enter first number">

<input type="number" id="num2" placeholder="Enter second number">

<br>

<button onclick="add()">Addition (+)</button>

<button onclick="subtract()">Subtraction (-)</button>

<button onclick="multiply()">Multiplication (\*)</button>

<button onclick="divide()">Division (/)</button>

<br>

<h2 id="result"></h2>

<script>

function add() {

var num1 = parseFloat(document.getElementById("num1").value);

var num2 = parseFloat(document.getElementById("num2").value);

var result = num1 + num2;

document.getElementById("result").innerText = "Result: " + result;

}

function subtract() {

var num1 = parseFloat(document.getElementById("num1").value);

var num2 = parseFloat(document.getElementById("num2").value);

var result = num1 - num2;

document.getElementById("result").innerText = "Result: " + result;

}

function multiply() {

var num1 = parseFloat(document.getElementById("num1").value);

var num2 = parseFloat(document.getElementById("num2").value);

var result = num1 \* num2;

document.getElementById("result").innerText = "Result: " + result;

}

function divide() {

var num1 = parseFloat(document.getElementById("num1").value);

var num2 = parseFloat(document.getElementById("num2").value);

if (num2 === 0) {

document.getElementById("result").innerText = "Error: Division by zero";

} else {

var result = num1 / num2;

document.getElementById("result").innerText = "Result: " + result;

}

}

</script>

</body>

</html>