

## Simple Calculator

```
<!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: Commit Mono;

background-color: #87CEEB;
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
margin: 0;
}
.calculator-container {
background-color: #E0FFFF;
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: #007AFF;
color: white;
border-radius: 5px;
cursor: pointer;
}
button:hover {
background-color: #0000FF;
}
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('+')">Add</button>

<button type="button"

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

<button type="button"

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

<button type="button"

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

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

<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;

```

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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>
</body>
</html>
```