

Calculator-

Program-

```
<!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;
```

```
    background-color: #f0f8ff;
```

```
    margin-top: 50px;
```

```
  }
```

```
  .calculator {
```

```
    display: inline-block;
```

```
    padding: 20px;
```

```
    background-color: #ffffff;
```

```
    border: 2px solid #ddd;
```

```
    border-radius: 8px;
```

```
    box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.1);
```

```
  }
```

```
  input[type="number"] {
```

```
    width: 80%;
```

```
    padding: 8px;
```

```
    margin: 10px 0;
```

```
    font-size: 16px;
```

```
    border: 1px solid #ccc;
```

```
    border-radius: 4px;
```

```
  }
```

```
button {
  padding: 10px 20px;
  margin: 5px;
  font-size: 16px;
  color: white;
  background-color: #1e6629;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
button:hover {
  background-color: #78db89;
}
#result {
  margin-top: 20px;
  font-size: 18px;
  color: #333;
}
</style>
</head>
<body>
  <div class="calculator">
    <h2>Simple Calculator</h2>
    <input type="number" id="num1" placeholder="Enter first number">
    <br>
    <input type="number" id="num2" placeholder="Enter second number">
    <br>
    <button onclick="calculate('add')">Add</button>
    <button onclick="calculate('subtract')">Subtract</button>
    <button onclick="calculate('multiply')">Multiply</button>
    <button onclick="calculate('divide')">Divide</button>
```

```
<div id="result"></div>

</div>
```

```
<script>

function calculate(operation) {

    const num1 = parseFloat(document.getElementById('num1').value);
    const num2 = parseFloat(document.getElementById('num2').value);
    let result = "";

    if (isNaN(num1) || isNaN(num2)) {
        result = "Please enter valid numbers.";
    } else {
        switch (operation) {
            case 'add':
                result = `Result: ${num1 + num2}`;
                break;
            case 'subtract':
                result = `Result: ${num1 - num2}`;
                break;
            case 'multiply':
                result = `Result: ${num1 * num2}`;
                break;
            case 'divide':
                result = num2 !== 0 ? `Result: ${num1 / num2}` : "Cannot divide by zero!";
                break;
            default:
                result = "Invalid operation.";
        }
    }

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

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

Output-

A simple calculator interface with a light blue background. The calculator is a white rounded rectangle. It has a title "Simple Calculator" in bold black text. Below the title are two input fields: the first contains "3" and the second contains "5". Below the input fields are four green buttons with white text: "Add", "Subtract", "Multiply", and "Divide". Below the buttons, the text "Result: -2" is displayed.