

## ----- HTML PART -----

```
<!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="css/style.css">
</head>
<body>
  <div class="calculator">
    <input type="text" id="display" disabled>
    <div class="buttons">
      <button onclick="clearDisplay()">AC</button>
      <button onclick="append('%')">%</button>
      <button onclick="append('*')">x2</button>
      <button onclick="append('/')">/</button>
      <button onclick="append('7')">7</button>
      <button onclick="append('8')">8</button>
      <button onclick="append('9')">9</button>
      <button onclick="append('*')">*</button>
      <button onclick="append('4')">4</button>
      <button onclick="append('5')">5</button>
      <button onclick="append('6')">6</button>
      <button onclick="append('-')">-</button>
      <button onclick="append('1')">1</button>
      <button onclick="append('2')">2</button>
      <button onclick="append('3')">3</button>
      <button onclick="append('+')">+</button>
      <button onclick="append('0')">0</button>
      <button onclick="append('.')">.</button>
      <button onclick="calculate()">=</button>
    </div>
  </div>
```

```
</div>
<script src="script.js"></script>
</body>
</html>
```

## ----- CSS PART -----

```
/* style.css */
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  margin: 0;
}

.calculator {
  width: 250px;
  border: 1px solid #ddd;
  border-radius: 8px;
  overflow: hidden;
  background-color: #fff;
  box-shadow: 0 4px 10px rgba(0, 0, 0, 0.2);
}

#display {
  width: 90%;
  padding: 20px;
  font-size: 24px;
  text-align: right;
  border: none;
  background-color: #eee;
```

```
}

.buttons {
  display: grid;
  grid-template-columns: repeat(4, 1fr);
}

button {
  padding: 20px;
  font-size: 18px;
  border: 1px solid #ddd;
  background-color: #f8f8f8;
  cursor: pointer;
}

button:active {
  background-color: #ccc;
}
```

## ----- JAVASCRIPT PART -----

```
// script.js

// Display element to show current input and result
const display = document.getElementById("display");

// Function to clear the display
function clearDisplay() {
  display.value = "";
}
```

```
// Function to append values or operators to the display
function append(value) {
    display.value += value;
}
```

```
// Function to evaluate the expression
function calculate() {
    try {
        // Use JavaScript eval to calculate result
        display.value = eval(display.value);
    } catch (error) {
        display.value = "Error";
    }
}
```