# Calculator Project - HTML, CSS, and JavaScript

## 1. HTML (index.html)

<!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="style.css">  
</head>  
<body>  
 <div class="calculator">  
 <input type="text" id="display" disabled>  
 <div class="buttons">  
 <button onclick="clearDisplay()">C</button>  
 <button onclick="appendValue('7')">7</button>  
 <button onclick="appendValue('8')">8</button>  
 <button onclick="appendValue('9')">9</button>  
 <button onclick="appendValue('+')">+</button>  
 <button onclick="appendValue('4')">4</button>  
 <button onclick="appendValue('5')">5</button>  
 <button onclick="appendValue('6')">6</button>  
 <button onclick="appendValue('-')">-</button>  
 <button onclick="appendValue('1')">1</button>  
 <button onclick="appendValue('2')">2</button>  
 <button onclick="appendValue('3')">3</button>  
 <button onclick="appendValue('\*')">\*</button>  
 <button onclick="appendValue('0')">0</button>  
 <button onclick="appendValue('.')">.</button>  
 <button onclick="calculate()">=</button>  
 <button onclick="appendValue('/')">/</button>  
 </div>  
 </div>  
 <script src="script.js"></script>  
</body>  
</html>

## 2. CSS (style.css)

body {  
 font-family: Arial, sans-serif;  
 display: flex;  
 justify-content: center;  
 align-items: center;  
 height: 100vh;  
 background-color: #f4f4f4;  
 margin: 0;  
}  
.calculator {  
 background: #fff;  
 padding: 20px;  
 border-radius: 10px;  
 box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
 text-align: center;  
}  
#display {  
 width: 100%;  
 height: 50px;  
 font-size: 1.5em;  
 text-align: right;  
 padding: 10px;  
 margin-bottom: 10px;  
 border: none;  
 background: #eee;  
}  
.buttons {  
 display: grid;  
 grid-template-columns: repeat(4, 1fr);  
 gap: 5px;  
}  
button {  
 width: 60px;  
 height: 60px;  
 font-size: 1.5em;  
 border: none;  
 background: #ddd;  
 cursor: pointer;  
 border-radius: 5px;  
}  
button:hover {  
 background: #ccc;  
}

## 3. JavaScript (script.js)

let display = document.getElementById('display');  
function appendValue(value) {  
 display.value += value;  
}  
function clearDisplay() {  
 display.value = '';  
}  
function calculate() {  
 try {  
 display.value = eval(display.value);  
 } catch {  
 display.value = 'Error';  
 }  
}