Calculator Web Application

# Calculator Web Application  
  
## Description  
This is a simple calculator built using HTML, CSS, and JavaScript. It can perform basic arithmetic operations such as addition, subtraction, multiplication, and division.  
  
## Features  
- Basic arithmetic operations  
- Responsive UI  
- Interactive buttons with JavaScript functionality  
  
## Technologies Used  
- HTML  
- CSS  
- JavaScript

# HTML Code

<!DOCTYPE html>  
<html>  
<head>  
 <title>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="appendToDisplay('1')">1</button>  
 <button onclick="appendToDisplay('2')">2</button>  
 <button onclick="appendToDisplay('+')">+</button>  
 <button onclick="appendToDisplay('3')">3</button>  
 <button onclick="appendToDisplay('4')">4</button>  
 <button onclick="appendToDisplay('-')">-</button>  
 <button onclick="appendToDisplay('5')">5</button>  
 <button onclick="appendToDisplay('6')">6</button>  
 <button onclick="appendToDisplay('\*')">\*</button>  
 <button onclick="appendToDisplay('7')">7</button>  
 <button onclick="appendToDisplay('8')">8</button>  
 <button onclick="appendToDisplay('/')">/</button>  
 <button onclick="appendToDisplay('9')">9</button>  
 <button onclick="appendToDisplay('0')">0</button>  
 <button onclick="calculate()">=</button>  
 </div>  
 </div>  
 <script src="script.js"></script>  
</body>  
</html>

# CSS Code

body {  
 font-family: Arial, sans-serif;  
 display: flex;  
 justify-content: center;  
 align-items: center;  
 height: 100vh;  
 background-color: #f0f0f0;  
}  
  
.calculator {  
 border: 1px solid #ccc;  
 padding: 20px;  
 background: white;  
 border-radius: 10px;  
 box-shadow: 2px 2px 10px rgba(0,0,0,0.1);  
}  
  
#display {  
 width: 100%;  
 margin-bottom: 10px;  
 height: 40px;  
 text-align: right;  
 font-size: 20px;  
}  
  
.buttons button {  
 width: 60px;  
 height: 60px;  
 margin: 5px;  
 font-size: 18px;  
}

# JavaScript Code

function appendToDisplay(value) {  
 document.getElementById('display').value += value;  
}  
  
function clearDisplay() {  
 document.getElementById('display').value = '';  
}  
  
function calculate() {  
 let result = eval(document.getElementById('display').value);  
 document.getElementById('display').value = result;  
}

# Sample Output

Below is an image showing a sample output of the calculator:

