

CALCULATOR PROJECT

HTML (index.html):

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <link rel="stylesheet" href="styles.css">

  <title>Calculator</title>

</head>

<body>

  <div class="calculator">

    <input type="text" id="display" readonly>

    <div class="buttons">

      <button onclick="clearDisplay()">AC</button>

      <button onclick="appendToDisplay('%')">%</button>

      <button onclick="appendToDisplay('/')">/</button>

      <button onclick="appendToDisplay('*')">*</button>

      <button onclick="appendToDisplay('7')">7</button>

      <button onclick="appendToDisplay('8')">8</button>

      <button onclick="appendToDisplay('9')">9</button>

      <button onclick="appendToDisplay('.')">.</button>

      <button onclick="appendToDisplay('4')">4</button>

      <button onclick="appendToDisplay('5')">5</button>

      <button onclick="appendToDisplay('6')">6</button>

      <button onclick="appendToDisplay('+)">+</button>

      <button onclick="appendToDisplay('1)">1</button>

      <button onclick="appendToDisplay('2)">2</button>

      <button onclick="appendToDisplay('3)">3</button>

      <button onclick="calculate()">=</button>

    </div>

  </div>

</body>

</html>
```

```
        <button onclick="appendToDisplay('0')">0</button>
        <button onclick="appendToDisplay('.')">.</button>
        <button onclick="calculateSquare()">x2</button>
    </div>
</div>
<script src="script.js"></script>
</body>
</html>
```

CSS (styles.css):

```
body {
    display: flex;
    align-items: center;
    justify-content: center;
    height: 100vh;
    margin: 0;
    font-family: Arial, sans-serif;
}
```

```
.calculator {
    text-align: center;
}
```

```
#display {
    width: 100%;
    padding: 10px;
    font-size: 1.5em;
    margin-bottom: 10px;
}
```

```
.buttons {
    display: grid;
```

```
    grid-template-columns: repeat(4, 1fr);
    gap: 10px;
}
```

```
button {
    width: 100%;
    padding: 10px;
    font-size: 1.2em;
    cursor: pointer;
}
```

JavaScript (script.js):

```
let display = document.getElementById('display');
```

```
function appendToDisplay(value) {
    display.value += value;
}
```

```
function clearDisplay() {
    display.value = "";
}
```

```
function calculate() {
    try {
        display.value = eval(display.value);
    } catch (error) {
        display.value = 'Error';
    }
}
```

```
function calculateSquare() {
    try {
```

```
    display.value = Math.pow(eval(display.value), 2);  
  } catch (error) {  
    display.value = 'Error';  
  }  
}
```