

"CALCULATOR REPORT"

This report is about my second project(intermediate) i.e styling a basic Calculator that performs operations like addition, subtraction, multiplication Division.

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*Introduction:-

About- it shows you how to perform basic operations just by putting digits and applying operator

What used-html, css, javascript

*HTML code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Stylish Calculator</title>
  <link rel="stylesheet" href="cal.css">
</head>
<body>
  <div class="calculator">
    <input type="text" id="display" disabled />
    <div class="buttons">

      <button onclick="appendToDisplay('7')" class="btn">7</button>
      <button onclick="appendToDisplay('9')" class="btn">9</button>
      <button onclick="appendToDisplay('8')" class="btn">8</button>

      <button onclick="clearDisplay()" class="btn">C</button>
```

```

<button onclick="appendToDisplay('4')" class="btn">4</button>
<button onclick="appendToDisplay('5')" class="btn">5</button>
<button onclick="appendToDisplay('6')" class="btn">6</button>
<button onclick="appendToDisplay('/')" class="btn operator">/</button>

<button onclick="appendToDisplay('1')" class="btn">1</button>
<button onclick="appendToDisplay('2')" class="btn">2</button>
<button onclick="appendToDisplay('3')" class="btn">3</button>
<button onclick="appendToDisplay('*')" class="btn operator">*</button>

<button onclick="appendToDisplay('0')" class="btn zero">0</button>
<button onclick="appendToDisplay('.')" class="btn">.</button>
<button onclick="appendToDisplay('+')" class="btn operator">+</button>
<button onclick="appendToDisplay('-')" class="btn operator">-</button>
<button onclick="calculateResult()" class="btn operator">=</button>
</div>
</div>

<script src="cal.js"></script>
</body>
</html>

```

*css code:-

```

body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  background: linear-gradient(135deg, #2c0a0a, #0c0148);
  font-family: 'Arial', sans-serif;
}

.calculator {
  background: #efb26c;
  padding: 20px;
  border-radius: 15px;
  box-shadow: 0 10px 30px rgba(0, 0, 0, 0.2);
  width: 320px;
}

input {
  width: 92%;
  padding: 10px;
  font-size: 32px;
  text-align: right;
}

```

```

margin-bottom: 15px;
border: 2px solid #4a90e2;
border-radius: 8px;
background-color: #f9f9f9;
box-shadow: inset 0 2px 5px rgba(0, 0, 0, 0.2);
}

.buttons {
display: grid;
grid-template-columns: repeat(4, 1fr);
gap: 10px;
}

.btn {
padding: 20px;
font-size: 24px;
border: none;
border-radius: 30px;
cursor: pointer;
background-color: #e6e6e6;
transition: background-color 0.3s, transform 0.1s, box-shadow 0.3s;
box-shadow: 0 2px 5px rgba(0, 0, 0, 0.2);
}

.btn:hover {
background-color: #d0d0d0;
}

.operator {
background-color: #ff2f00;
color: white;
}

.operator:hover {
background-color: #f85531;
}

.zero {
grid-column: span 2;
}

.btn:active {
transform: scale(0.95);
box-shadow: inset 0 2px 4px rgba(0, 0, 0, 0.4);
}

```

***Javascript :-**

```
function appendToDisplay(value) {
```

```
document.getElementById('display').value += value;
}

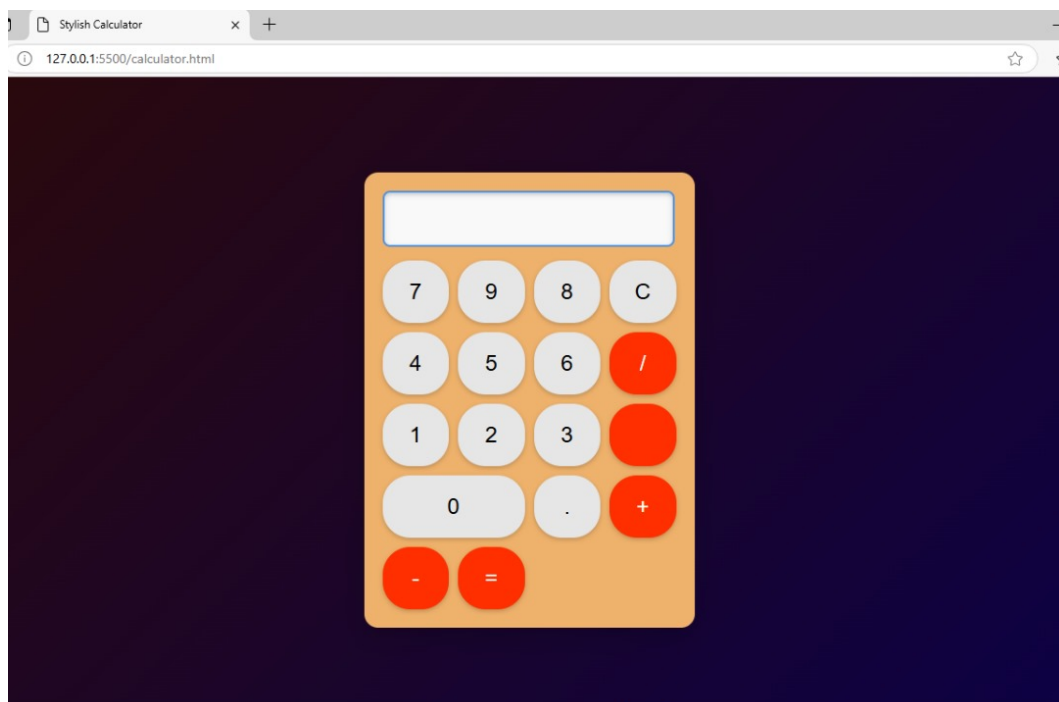
function clearDisplay() {
    document.getElementById('display').value = '';
}

function calculateResult() {
    const display = document.getElementById('display');
    try {
        display.value = eval(display.value);
    } catch {
        display.value = 'Error';
    }
}
```

*Features:-

- 1) very simple to use
- 2) Quickly returns result
- 3) Have different colour buttons to identify easily
- 4) Clear the value and reset quickly

*Screenshot:-



Caption

