CA-3 WEB TECHNOLOGIES-LABORATORY-(CAP757)

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 - Q. Create a Simple Calculator using HTML, CSS and JavaScript.

OUTPUT- **> HTML+CSS**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
    <title>Calculator</title>
    <link rel="stylesheet" href="styles.css">
    <style>
        body {
            background-image: url('4.jpg');
            background-repeat: no-repeat;
            background-size: cover;
            background-position: center;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        .Calc{
            border: solid black;
            border-width: 0 3px 3px 0;
            background-color: aqua;
```

```
padding: 1%;
    margin: 5%;
    align-content: center;
    flex-direction: column;
    justify-content: center;
    align-items: center;
}
.calculator {
    width: 250px;
    background-color: rgba(242, 242, 242, 0.8);
    border-radius: 5px;
    padding: 10px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
}
.display {
    margin-bottom: 10px;
}
#result {
    width: 100%;
    padding: 10px;
    font-size: 18px;
    border: none;
    background-color: #fff;
    box-shadow: inset 0 0 5px rgba(0, 0, 0, 0.1);
}
.buttons {
    display: grid;
    grid-template-columns: repeat(4, 1fr);
    grid-gap: 5px;
}
button {
```

```
padding: 10px;
            font-size: 16px;
            border: none;
            border-radius: 3px;
            background-color: #e6e6e6;
            cursor: pointer;
        }
        .operator {
            background-color: #ffa500;
            color: #fff;
        }
        .equal {
            background-color: #008000;
            color: #fff;
        }
        .clear {
            background-color: #ff0000;
            color: #fff;
    </style>
</head>
<body>
    <div class="calculator">
        <div class="Calc"><h1>Basic Calulator</h1></div>
        <div class="display">
            <input type="text" id="result" disabled>
        </div>
        <div class="buttons">
            <button class="operator"</pre>
onclick="appendValue('+')">+</button>
            <button class="operator" onclick="appendValue('-</pre>
')">-</button>
```

```
<button class="operator"</pre>
onclick="appendValue('*')">*</button>
             <button class="operator"</pre>
onclick="appendValue('/')">/</button>
             <button class="number"</pre>
onclick="appendValue(7)">7</button>
             <button class="number"</pre>
onclick="appendValue(8)">8</button>
             <button class="number"</pre>
onclick="appendValue(9)">9</button>
             <button class="number"</pre>
onclick="appendValue(4)">4</button>
             <button class="number"</pre>
onclick="appendValue(5)">5</button>
             <button class="number"</pre>
onclick="appendValue(6)">6</button>
             <button class="number"</pre>
onclick="appendValue(1)">1</button>
             <button class="number"</pre>
onclick="appendValue(2)">2</button>
             <button class="number"</pre>
onclick="appendValue(3)">3</button>
             <button class="number"</pre>
onclick="appendValue(0)">0</button>
             <button class="decimal"</pre>
onclick="appendValue('.')">.</button>
             <button class="clear"</pre>
onclick="clearResult()">C</button>
             <button class="equal"</pre>
onclick="calculateResult()">=</button>
         </div>
    </div>
    <script src="script.js"></script>
</body>
</html>
```

JAVASCRIPT-

```
let result = document.getElementById("result");
function appendValue(value) {
    result.value += value;
}
function clearResult() {
    result.value = "";
}
function calculateResult() {
    try {
        result.value = eval(result.value);
    } catch (error) {
        alert("Invalid expression");
    }
}
```

FINAL OUTPUT-

