

CA-3 WEB TECHNOLOGIES-LABORATORY-(CAP757)

- NAME- Aniket Prakash(12323735)
- RD2324A29 (odd)

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-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 {
```



```
        <button class="operator"
onclick="appendValue('*')">*</button>
        <button class="operator"
onclick="appendValue('/')">/</button>
        <button class="number"
onclick="appendValue(7)">7</button>
        <button class="number"
onclick="appendValue(8)">8</button>
        <button class="number"
onclick="appendValue(9)">9</button>
        <button class="number"
onclick="appendValue(4)">4</button>
        <button class="number"
onclick="appendValue(5)">5</button>
        <button class="number"
onclick="appendValue(6)">6</button>
        <button class="number"
onclick="appendValue(1)">1</button>
        <button class="number"
onclick="appendValue(2)">2</button>
        <button class="number"
onclick="appendValue(3)">3</button>
        <button class="number"
onclick="appendValue(0)">0</button>
        <button class="decimal"
onclick="appendValue('.')">.</button>
        <button class="clear"
onclick="clearResult()">C</button>
        <button class="equal"
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-

Calculator x +

127.0.0.1:3000/Calc.html

Basic Calulator

81+9

+	-	*	/
7	8	9	4
5	6	1	2
3	0	.	C
=			

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Basic Calulator

90

+	-	*	/
7	8	9	4
5	6	1	2
3	0	.	C
=			

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