Q1. Design a JavaScript calculator

```html
<!DOCTYPE html>
<html>
<head>
    <title>Scientific Calculator</title>
    <link rel="stylesheet" href="styles.css">
</head>

<body>
    <div id="Myinfo">
        <p><b>Name :</b> Vinayak Kumar Singh</p>
        <p><b>Register No :</b> 23MCA1030 </p>
    </div>
    <div id="calculator">
        <input type="text" id="display" disabled>
        <button onclick="appendTo('7')">7</button>
        <button onclick="appendTo('8')">8</button>
        <button onclick="appendTo('9')">9</button>
        <button onclick="appendTo('+')">+</button>
        <button onclick="appendTo('^')">^</button>
        <button onclick="appendTo('4')">4</button>
        <button onclick="appendTo('5')">5</button>
        <button onclick="appendTo('6')">6</button>
        <button onclick="appendTo('-')">-</button>
        <button onclick="appendTo('ln')">ln</button>
        <button onclick="appendTo('1')">1</button>
        <button onclick="appendTo('2')">2</button>
        <button onclick="appendTo('3')">3</button>
        <button onclick="appendTo('*')">*</button>
        <button onclick="appendTo('log')">log</button>
        <button onclick="appendTo('0')">0</button>
        <button onclick="appendTo('.')">.</button>
        <button onclick="clearDisplay()">Clear</button>
        <button onclick="appendTo('/')">/</button>
        <button id="Result" onclick="calculate()">=</button>
    </div>
```

```
<script>
    function appendTo(value) {
            var display = document.getElementById("display");
            display.value += value;
    }

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

    function calculate() {
    var expression = document.getElementById("display").value;
    var result = eval(expression);
    document.getElementById("display").value = result;
    }

    document.getElementById("display").addEventListener("keypress", function(event) {
    if (event.key === '.' || (event.key >= '0' && event.key <= '9')) {
        appendTo(event.key);
    } else if (['+', '-', '*', '/', '^', 'Enter'].includes(event.key)) {
        appendTo(event.key);
    }
    if (event.key === 'Enter') {
        calculate();
    }
});

</script>
</body>
</html>
```

CSS:

```css
body {
    display: grid;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    background-image: linear-gradient(to right, #fa709a 0%, #fee140 100%);
}
#calculator {
    margin-top:-250px;
    border: 2px solid #333;
    padding: 20px;
    border-radius: 10px;
    background-color: #fff;
    display: grid;
    gap: 10px;
    text-align: center;
}
button {
    width: 50px;
    height: 50px;
    font-size: 16px;
    border-radius: 50px;
}
#display {
    grid-column: 1 / span 5;
    width: 100%;
    font-size: 20px;
    text-align: right;
    border-color:black;
}
#Result {
    color: black;
    background-color: floralwhite;
}
#student-info {
    text-align: center;
}
#Myinfo{
    text-align: center;
}
```
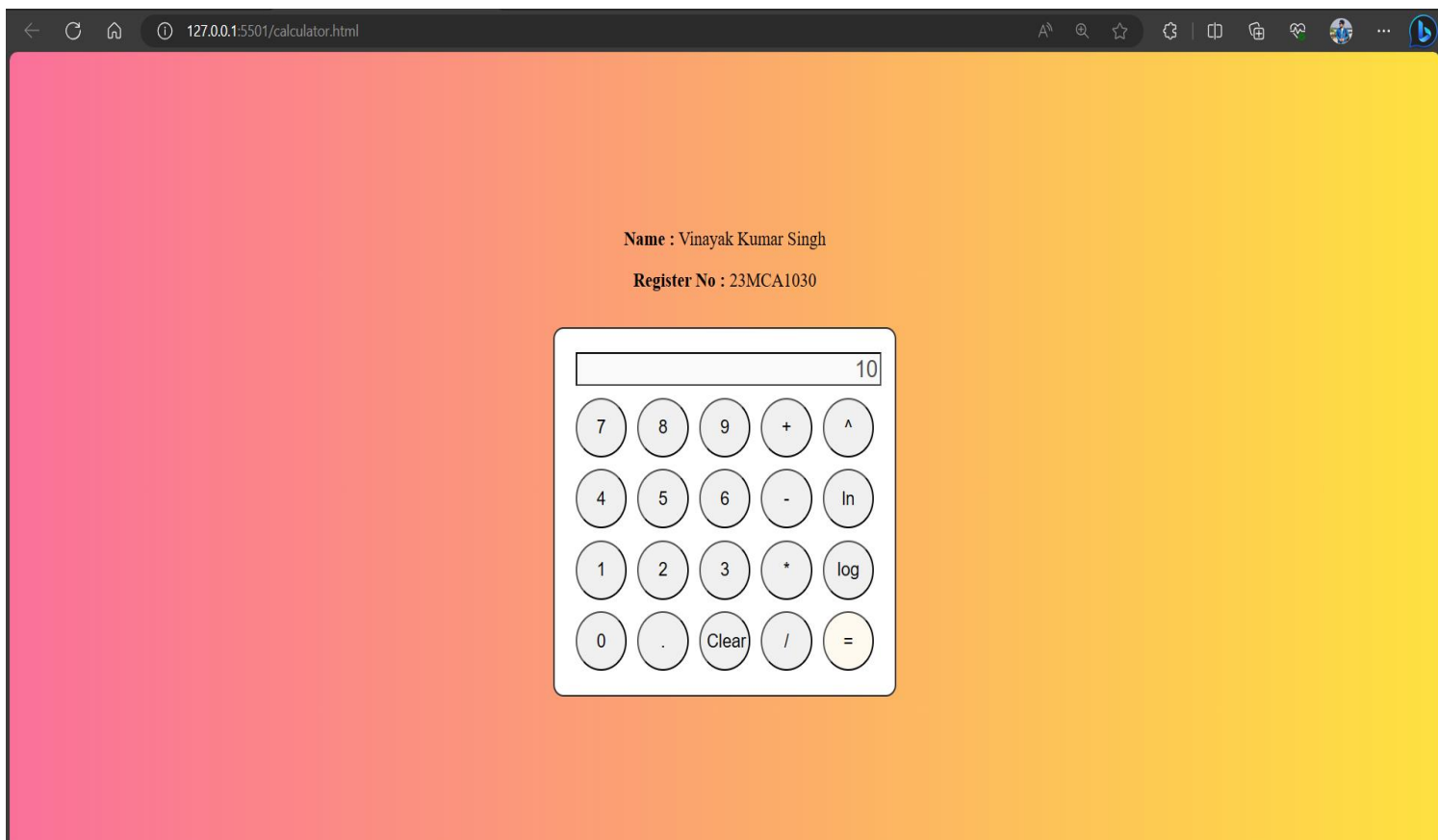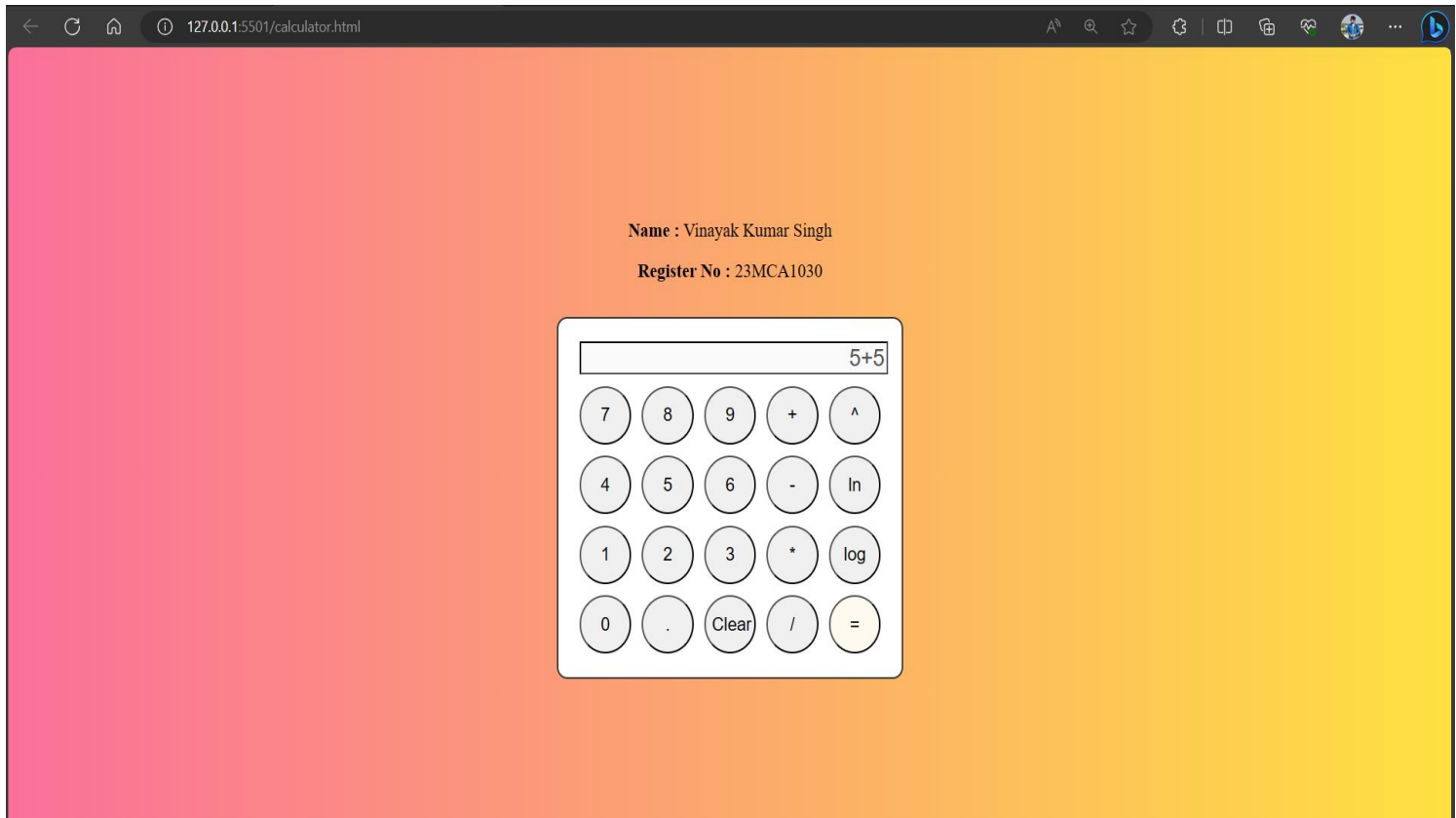
Output: (5+5)=10

END