Table Generator

Table using For Loop

Enter Number: [   ]

[Submit] [Reset]

[   ]

Table using while Loop

Enter Number: [   ]

[Submit] [Reset]

[   ]

Table using do-while Loop

Enter Number: [   ]

[Submit] [Reset]

[   ]

Table Generator

Table using For Loop

Enter Number: [3]

[Submit] [Reset]

```
3 x 1 = 3
3 x 2 = 6
3 x 3 = 9
3 x 4 = 12
3 x 5 = 15
3 x 6 = 18
3 x 7 = 21
3 x 8 = 24
3 x 9 = 27
3 x 10 = 30
```

Table using while Loop

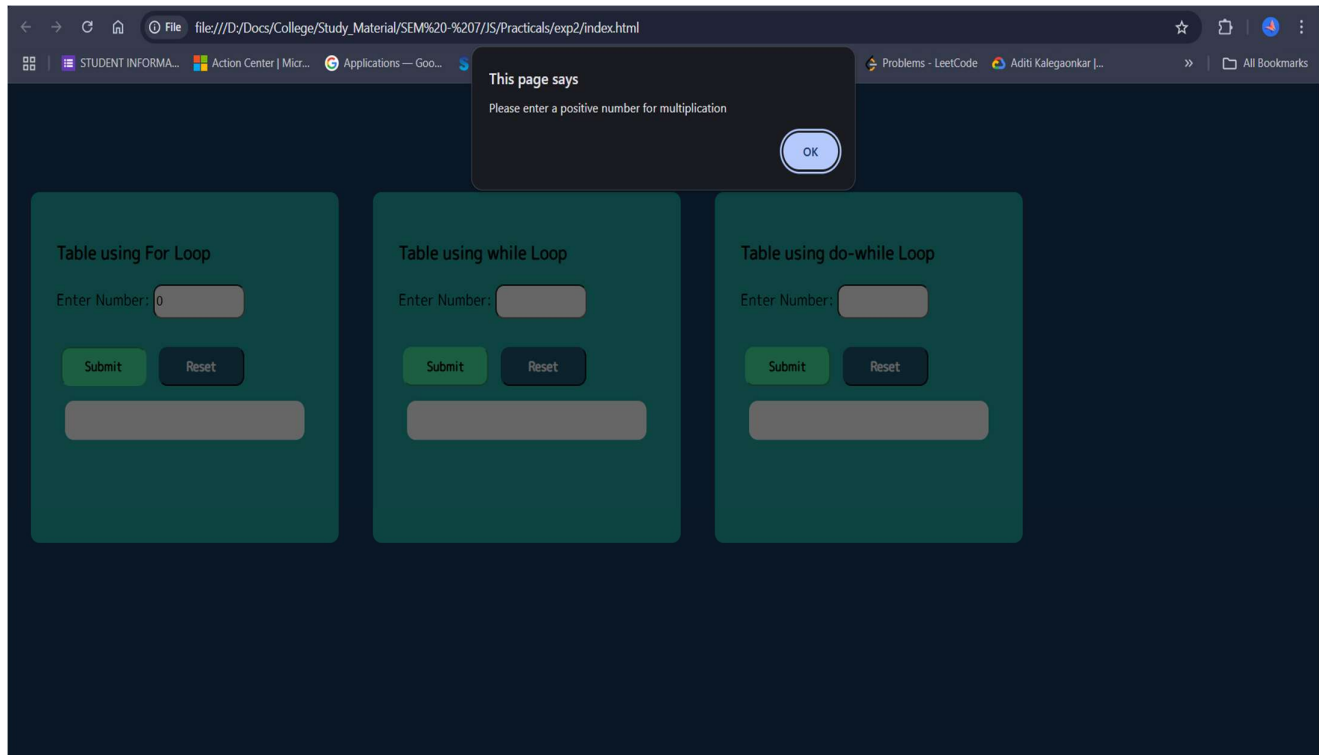Enter Number: [4]

[Submit] [Reset]

```
4 x 1 = 4
4 x 2 = 8
4 x 3 = 12
4 x 4 = 16
4 x 5 = 20
4 x 6 = 24
4 x 7 = 28
4 x 8 = 32
4 x 9 = 36
4 x 10 = 40
```

Table using do-while Loop

Enter Number: [6]

[Submit] [Reset]

```
6 x 1 = 6
6 x 2 = 12
6 x 3 = 18
6 x 4 = 24
6 x 5 = 30
6 x 6 = 36
6 x 7 = 42
6 x 8 = 48
6 x 9 = 54
6 x 10 = 60
```

HTML:-

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="styles.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=M+PLUS+Rounded+1c&display=swap" rel="stylesheet">
</head>

<body class="m-plus-rounded-1c-regular">
```

```
<h1>Table Generator</h1>

<div class="outer">

    <div class="inner">

        <h3>Table using For Loop</h3>

        <label>Enter Number: </label>

        <input type="text" id="num1" class="ipcontainer"/>

        <br />

        <br />

        <button onclick="ForLoop()">Submit</button>

        <button onclick="Reset()" id="R1">Reset</button>

        <p id="result1"></p>

    </div>


    <div class="inner">

        <h3>Table using while Loop</h3>

        <label>Enter Number: </label>

        <input type="text" id="num2" class="ipcontainer"/>

        <br />

        <br />

        <button onclick="whileLoop()">Submit</button>

        <button onclick="Reset()" id="R2">Reset</button>

        <p id="result2"></p>

    </div>


    <div class="inner">

        <h3>Table using do-while Loop</h3>

        <label>Enter Number: </label>

        <input type="text" id="num3" class="ipcontainer"/>

        <br />

        <br />

        <button onclick="doWhile()">Submit</button>
```

```html
            <button onclick="Reset()" id="R3">Reset</button>

            <p id="result3"></p>

        </div>

    </div>

    <script src="22_7_25.js"></script>

</body>

</html>
```

CSS:-

```css
body{
    background-color:#163a5f;
}

.outer{
    display: flex;
    flex-direction: row;
    max-height: 700px;
    max-width: 700px;
    align-items: center;
    justify-items: center;
}

h1{
    color: #45eba5;
    text-align: center;
}

.inner{
    background-color: #21aba5;
```

```css
    border-radius: 10px;

    margin: 20px;

    padding: 30px;

    min-width: 300px;

    min-height: 300px;
}


button{
    display: inline-block;

    height: 40px;

    width : 100px;

    border-radius: 10px;

    background-color: #45eba5;

    border-color: #45eba5;

    font-family: "M PLUS Rounded 1c", sans-serif;

    font-weight: 800;

    font-style: normal;

    margin: 5px;
}


#R1, #R2,#R3{
    background-color: #1d566e;

    border-color:#1d566e;

    color: white;
}


.m-plus-rounded-1c-regular {
    font-family: "M PLUS Rounded 1c", sans-serif;

    font-weight: 400;

    font-style: normal;
}
```

```css
#result1, #result2, #result3{
    background-color: white;
    max-width: 600px;
    max-width: 300px;
    border-radius: 10px;
    justify-content: center;
    align-content: center;
    margin: 10px;
    padding: 20px;
    color: 163a5f;
    font-weight: 700;
}


.ipcontainer{
    border-radius: 10px;
    height: 30px;
    width: 100px
}
```

JavaScript:-

```javascript
function ForLoop() {
    const input = document.getElementById("num1").value;
    const n = Number(input);
    if (!input || isNaN(n) || n <= 0) {
        alert("Please enter a positive number for multiplication");
        return;
    }

    let text1 = "";
```

```javascript
    for (let i = 1; i <= 10; i++) {
        let prod = n * i;
        text1 += `${n} x ${i} = ${prod}<br>`;
    }
    document.getElementById("result1").innerHTML = text1;
    document.getElementById("result1").style.color = "black";
}


function whileLoop() {
    const input = document.getElementById("num2").value;
    const n = Number(input);
    if (!input || isNaN(n) || n <= 0) {
        alert("Please enter a positive number for multiplication");
        return;
    }

    let i = 1;
    let text1 = "";
    while (i <= 10) {
        let prod = n * i;
        text1 += `${n} x ${i} = ${prod}<br>`;
        i++;
    }
    document.getElementById("result2").innerHTML = text1;
    document.getElementById("result2").style.color = "black";
}


function doWhile() {
    const input = document.getElementById("num3").value;
    const n = Number(input);
    if (!input || isNaN(n) || n <= 0) {
```

```javascript
        alert("Please enter a positive number for multiplication");
        return;
    }


    let i = 1;
    let text1 = "";
    do {
        let prod = n * i;
        text1 += `${n} x ${i} = ${prod}<br>`;
        i++;
    } while (i <= 10);


    document.getElementById("result3").innerHTML = text1;
    document.getElementById("result3").style.color = "black";
}


function Reset() {
    const id = event.target.id;
    if (id === "R1") {
        document.getElementById("num1").value = "";
        document.getElementById("result1").innerHTML = "";
    } else if (id === "R2") {
        document.getElementById("num2").value = "";
        document.getElementById("result2").innerHTML = "";
    } else {
        document.getElementById("num3").value = "";
        document.getElementById("result3").innerHTML = "";
    }
}
```