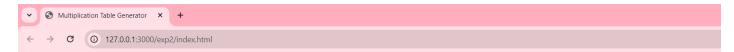
```
//Name: Ishwar Kantilal Mulay
//Roll No: 404B003
//EXP-2
index.html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Multiplication Table Generator</title>
    <script src="script.js" defer></script>
</head>
<body>
    <h1>Multiplication Table Generator</h1>
    <label for="number">Enter a number:</label>
    <input type="number" id="number" placeholder="Enter a number">
    <button onclick="generateTableForLoop()">Generate Table (For
Loop) </button>
    <button onclick="generateTableWhileLoop()">Generate Table (While
Loop) </button>
    <h2>Generated Table:</h2>
    </body>
</html>
script.js
function generateTableForLoop() {
    let number = parseInt(document.getElementById('number').value);
    let result = '';
    if (isNaN(number) || number <= 0) {</pre>
        document.getElementById('tableResult').textContent = "Please enter a
valid positive number.";
        return;
```

}

```
for (let i = 1; i \le 10; i++) {
        result += \ {number} x ${i} = ${number * i} \n`;
    }
    document.getElementById('tableResult').textContent = result;
}
function generateTableWhileLoop() {
    let number = parseInt(document.getElementById('number').value);
    let result = '';
    let i = 1;
    if (isNaN(number) || number <= 0) {</pre>
        document.getElementById('tableResult').textContent = "Please enter a
valid positive number.";
        return;
    }
    while (i \le 10) {
        result += \ {number} x ${i} = ${number * i} \n`;
        i++;
    }
    document.getElementById('tableResult').textContent = result;
}
```

OUTPUT:



Multiplication Table Generator

Enter a number: 9 Generate Table (For Loop) Generate Table (While Loop)

Generated Table:

```
9 x 1 = 9

9 x 2 = 18

9 x 3 = 27

9 x 4 = 36

9 x 5 = 45

9 x 6 = 54

9 x 7 = 63

9 x 8 = 72

9 x 9 = 81

9 x 10 = 90
```