

Output:

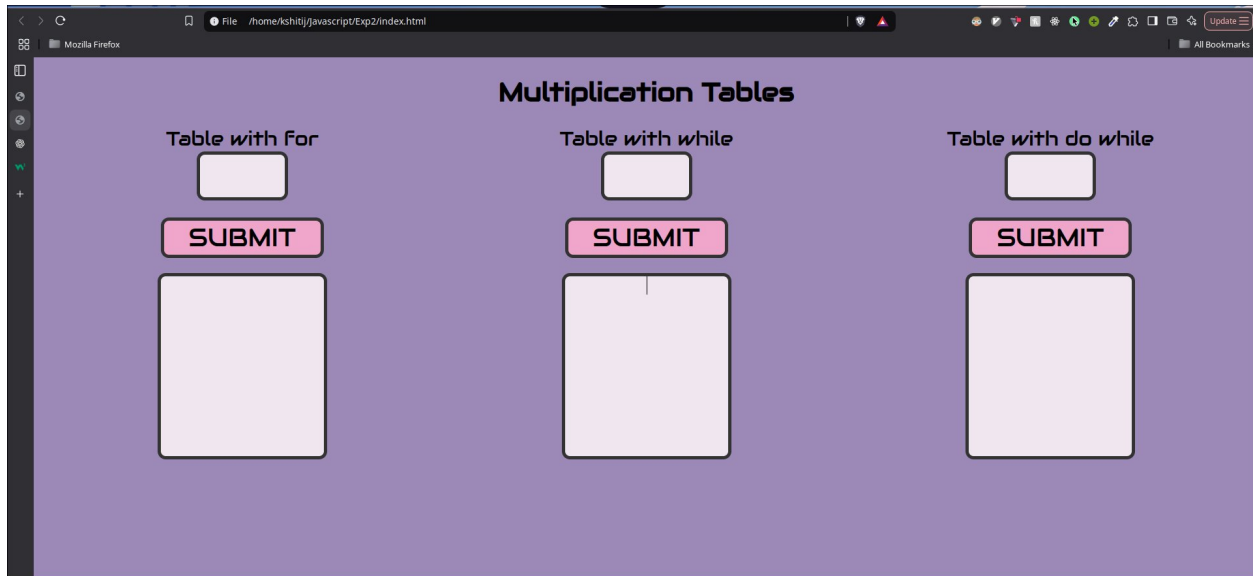


Fig. Base website

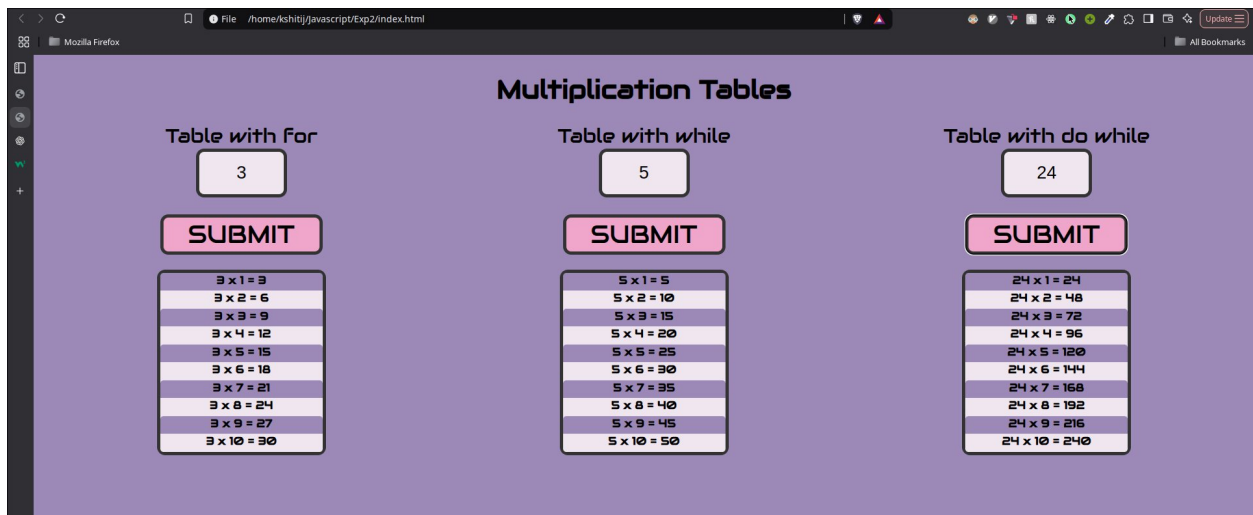


Fig. Tables with for, while and do while

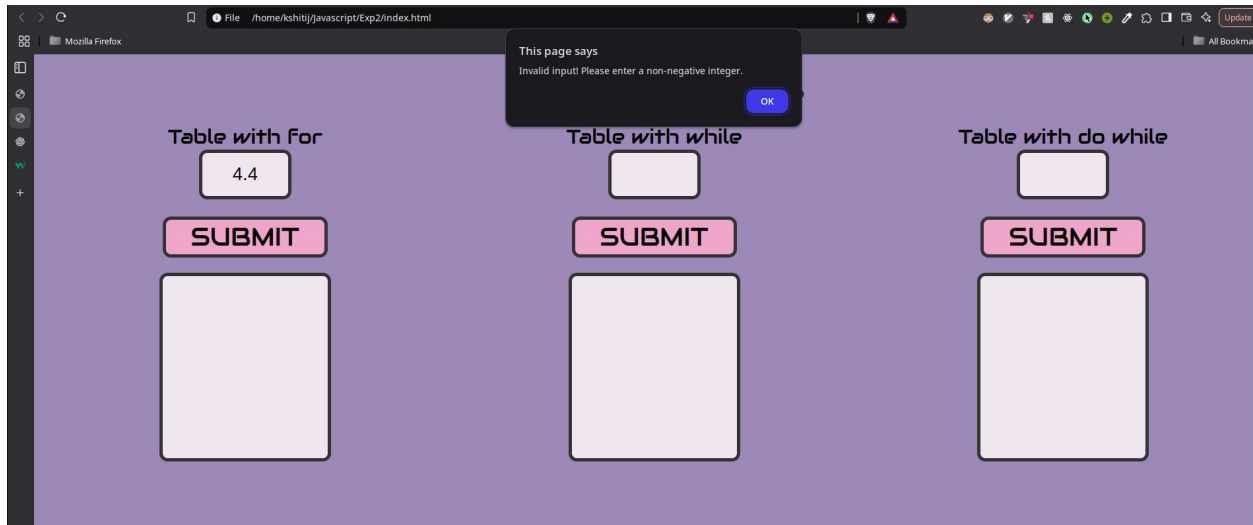


Fig. Invalid number (negative or decimal) error

Code:

1. HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <!-- Logic Sits here -->
  <script src=tables.js></script>

  <!-- Visuals Sit here -->
  <link rel="stylesheet" href="styles.css">

  <title>Tables</title>
</head>
<body>
  <h1 id="title">Multiplication Tables</h1>

  <div class="row-format">
    <div class="block">
      <label id="label"> Enter number </label>
      <input id="in_for" type="number"></input><br>
      <button id="btn_for" onclick="table_with_for()"> Submit </button>
      <div class="table">
        <p id="table_for"></p>
      </div>
    </div>

    <div class="block">
      <label id="label"> Enter number </label>
      <input id="in_while" type="number"></input><br>
      </button> <button id="btn_while" onclick="table_with_while()"> Submit
      <div class="table">
```

```

        <p id="table_while"></p>
    </div>
</div>

<div class="block">
    <label id="label"> Enter number </label>
    <input id="in_dowhile" type="number"></input><br>
</button><button id="btn_dowhile" onclick="table_with_dowhile()"> Submit
    <div class="table">
        <p id="table_dowhile"></p>
    </div>
</div>
</div>
</body>
</html>

```

2. Javascript:

```

// For CSS
let ll = "lightline";
let dl = "darkline";

function table_with_for() {
    let n = Number(document.getElementById("in_for").value);

    if (!Number.isInteger(n) || n < 0) {
        alert("Invalid input! Please enter a non-negative integer.");
        return;
    }

    let full_text = "";
    for (let i = 1; i <= 10; i++) {
        let text = `${n} x ${i} = ${n * i}`;
        let line = (i % 2 == 0) ? ll : dl;
        let final_line = `<h3 id="${line}">` + text + "</p><br>";

        full_text += final_line;
    }
    document.getElementById("table_for").innerHTML = `${full_text}`
}

function table_with_while() {
    let n = Number(document.getElementById("in_while").value);

    let full_text = "";
    let i = 1;
    while (i <= 10) {
        let text = `${n} x ${i} = ${n * i}`;
        let line = (i % 2 == 0) ? ll : dl;
        let final_line = `<h3 id="${line}">` + text + "</p><br>";

        full_text += final_line;
        i++;
    }
    document.getElementById("table_while").innerHTML = `${full_text}`
}

function table_with_dowhile() {

```

Experiment 2

Roll no: 42405

Batch: Q6

```
let n = Number(document.getElementById("in_dowhile").value);

let full_text = "";
let i = 1;
do {
  let text = `${n} x ${i} = ${n * i}`;
  let line = (i % 2 == 0) ? ll : dl;
  let final_line = `

### 


```