Assignment-4

❖ **HTML (index.html):**

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table</title>
  <!-- link css file -->
  <link rel="stylesheet" href="style.css">
</head>
<body>
     <div class="multipicationTable">
       <h2>Multipication Table</h2>
       <table id="mTable" >
         <thead>
           <tr>
             <th>Multiplication</th>
             <th>Result</th>
           </tr>
         </thead>
         <tbody>
           <!-- table body will fill dynamically -->
         </tbody>
       </table>
     </div>


       <!-- link js file -->
       <script src="Que1.js"></script>
       <script src="Que2.js"></script>
       <script src="Que3.js"></script>
</body>
</html>
```
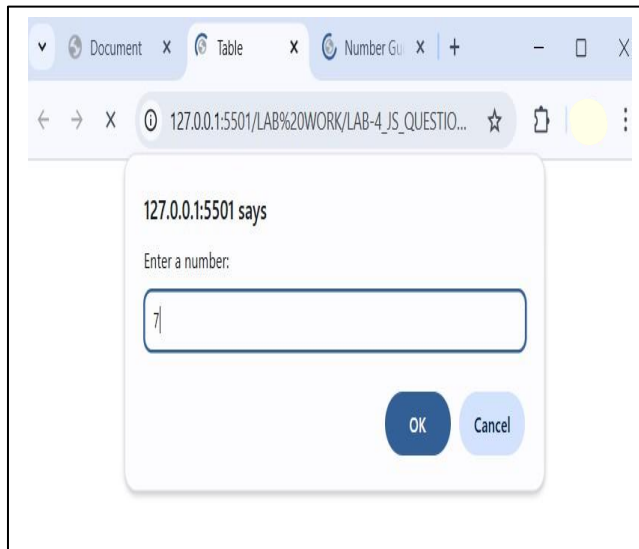
❖ **JS:**
　　　↳ **Que1.js:**
　　　　➲
```js
let num =prompt("Enter a number:");
    num-parseInt(num);
   let tableBody=document.querySelector("#mTable tbody");
```

- // Clear privious table data
- tableBody.innerHTML=" ";
- // Run a loop for fill data in tbody
- for(let i=1;i<=10;i++){
- let row=document.createElement("tr");
- row.innerHTML=`<td> ${num} X ${i}</td><td>${num*i}</td>`;
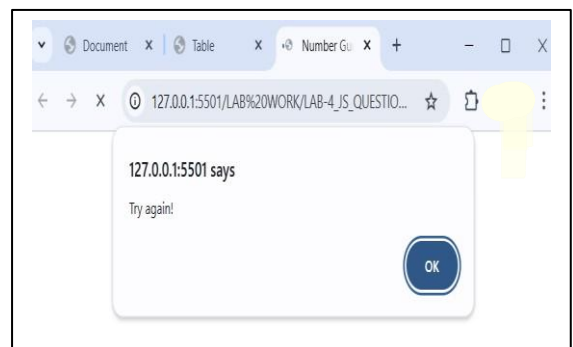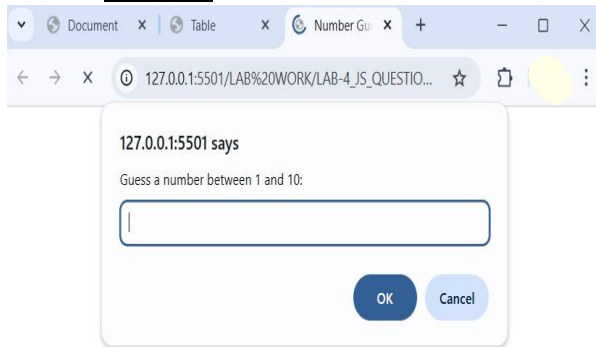- tableBody.appendChild(row);
- }

❖ **Output:**

❖ **JS:**

↳ **Que2.js:**

➲ // for Question 2

```js
let randomNumber = Math.floor(Math.random() * 10) + 1;

let guess;


while (true) {

  guess = prompt("Guess a number between 1 and 10:");

  if (parseInt(guess) === randomNumber) {

    alert("Correct! You guessed the right number.");

    break;

  } else {

    alert("Try again!");

  }

}
```

❖ **JS:**

↳ **Que3.js:**

➲ // Q-3:Create a Simple Quiz

Question: Write a JavaScript quiz program that asks the user three questions using prompt. Store correct answers in variables and check the user's response using loops and arrays.

```javascript
let questions = {
    "What is the capital of India?": "Delhi",
    "What is 5 + 3?": "8",
    "What is the chemical symbol for gold? ":"Au",
    "What gas do plants absorb from the air?" : "Carbon Dioxide",
};

let score = 0;

for (let question in questions) {
    let answer = prompt(question);
    if (answer.toLowerCase() === questions[question].toLowerCase()) {
        score++;
    }
}

alert(`Your final score is: ${score}/${Object.keys(questions).length}`);
```

❖ **Output:**