**index.html**

# <!DOCTYPE html>

# <html lang="en">

# <head>

# <title>Multiplication Table Generator</title>

# <script src="script.js" defer></script> <!-- Link to the external JS file -->

# </head>

# <body>

# <h1>Multiplication Table Generator</h1>

# <label for="number">Enter a number:</label>

# <input type="number" id="number" required><br><br>

# <button onclick="generateTable()">Generate Table</button>

# <h2>Multiplication Table:</h2>

# <p id="result"></p>

# </body>

# </html>

# script.js

# function generateTable() {

# // Get the number from input

# var number = parseInt(document.getElementById("number").value);

# var table = "";

# // Using a for loop to generate the multiplication table

# for (var i = 1; i <= 10; i++) {

# var result = number \* i;

# table += `${number} x ${i} = ${result}<br>`;

# }

# // Display the result

# document.getElementById("result").innerHTML = table;

# }

# OUTPUT:

# 