**Assignment: Build a Multiplication Table with Conditionals**

**Objective:**

Create a webpage that generates a multiplication table based on user input. The user will input a number, and the table will be generated using a for loop. If the result of any cell is even, it will be highlighted with a different background color.

**Instructions:**

1. **HTML Part:**

* Create a form with:

- A text input field where the user can enter a number.

- A button to trigger the multiplication table generation.

* Use pre-defined p elements to display the results.

1. **JavaScript Part:**

* Create a function generateTable() that runs when the button is clicked.
* Use a for loop to calculate and display the results inside the existing p elements.
* Use an if-else statement to check if the result is even or odd and adjust the text (or style) accordingly.

**Reference:**

1. **textContent:** You can use textContent to change the text inside an HTML element. For example:

const element = document.getElementById('row1');

element.textContent = 'Hello World!';  
  
This will find the element with the ID row1 and change its text to "Hello World!".

1. **Getting input value:** To get the value from an input field, you can use:

const value = document.getElementById('number').value;  
  
This will get the value entered by the user into the input field with the ID number.

**Checking if a number is even:** You can use the modulo operator % to check if a number is even:

if (number % 2 === 0) {

// This number is even }

A screenshot of a computer

Description automatically generated

