



Task # 12:

Create a Custom Checkerboard Generator Using HTML, CSS, and JavaScript

Description: In this task, you are required to develop an interactive application that generates a checkerboard pattern based on user input. Users will specify the number of rows and columns they want for the checkerboard and choose colors for the squares.

Below are the key features and requirements for your project:

1. **Input Collection:** Implement a form that collects the following inputs from the user:
 - Number of Rows: Allow the user to specify the desired number of rows for the checkerboard.
 - Number of Columns: Allow the user to specify the desired number of columns for the checkerboard.
 - Square Color Selection: Provide input type color pickers for users to select colors for the squares of the checkerboard. Each color picker should correspond to either the "light" or "dark" squares of the board.
2. **Checkerboard Generation:** Based on the user input, dynamically generate a checkerboard pattern using HTML and CSS. Ensure the following:
 - Alternate between light and dark squares to create the classic checkerboard pattern.
 - The size of each square should adjust according to the number of rows and columns specified by the user.
3. **Color Customization:** Apply the colors selected by the user to the corresponding squares of the checkerboard.
4. **User Interface:** Design a user-friendly interface for the application, including clear labels and color pickers for each type of square (light and dark).

Your task is to design and implement the above features in a coherent and functional manner using HTML, CSS, and JavaScript.