Assignment : List Rendering

Scenario:

You are tasked with building a simple To-Do List application where users can view their tasks, add new tasks, and mark tasks as completed.

This assignment will help you practice list rendering in React with TypeScript.

Requirements:

- ➤ Project Setup:
  - Create a new React project with TypeScript and name it TodoApp.
- ➤ Component Structure:
  - ❖ Create a TodoList Component:
    - o This component should receive a list of tasks as props and render them as a list.
    - o Each task should be displayed with a checkbox to mark it as completed.
  - ❖ Create a NewTodo Component:
    - o This component should contain an input field and a button to add a new task.
    - o When the user types a task and clicks the "Add Task" button, the task should be added to the list.
  - ❖ Create an App Component:
    - o This component should manage the state for the list of tasks.
    - o It should include the TodoList and NewTodo components.
    - o Pass the current list of tasks to the TodoList component and handle adding new tasks in the App component.

Tasks:

1. List Rendering:
   - Implement the TodoList component to render each task in the list.
   - Display each task with a checkbox that users can click to mark it as completed.
2. Adding New Tasks:
- Implement the NewTodo component to allow users to add a new task.
- When the "Add Task" button is clicked, the task should be added to the list in the App component.
3. Marking Tasks as Completed:
- When a user clicks the checkbox next to a task, visually indicate that the task is completed (e.g., by striking through the text or changing the text color).
4. Expected Outcome:
- A simple To-Do List application where users can:
   - View a list of tasks.
   - Add new tasks to the list.
   - Mark tasks as completed.