**📝 React Task: Build a Simple Movie Watchlist App**

**⏰ Time:** ~30 minutes  
**📚 Concepts Covered:**

* Functional Components
* Props
* State with useState
* Side Effects with useEffect
* Conditional Rendering
* List Rendering (map)
* Array Methods (filter, reduce)
* Event Handling

**📌 Task Description:**

Create a small React app that displays a list of movies. Each movie has a title, genre, and a "watched" status.

**App Features:**

1. **MovieList Component**
   * Displays a list of movies (array provided).
   * Use map() to render each movie using a MovieCard component.
2. **MovieCard Component**
   * Takes title, genre, and watched as props.
   * Displays "✅ Watched" or "🎬 To Watch" based on the watched value using **conditional rendering**.
   * Has a button: "Mark as Watched" that toggles the watched status (**event handling** + useState or prop lifting if you want).
3. **MovieStats Component**
   * Shows:
     + Total number of movies
     + Number of watched movies (use filter)
     + Total genres (use reduce to count how many times each genre appears)
4. **Bonus (Optional)**
   * Use useEffect to log a message when the watched list changes.

**🧱 Sample Data:**

const initialMovies = [

{ id: 1, title: "Inception", genre: "Sci-Fi", watched: false },

{ id: 2, title: "Titanic", genre: "Romance", watched: true },

{ id: 3, title: "Avengers", genre: "Action", watched: false },

];

totalGenre = {sci-fic: 2}

**🎯 Deliverables:**

* App.js renders MovieList and MovieStats.
* MovieList.js renders multiple MovieCard components.
* Button toggles the "watched" state.
* Stats update live.