

Question 1 — Props & Component Reusability

Create a React component named **UserCard** which accepts these props:

- **name**
- **age**
- **location**

Then, in **App.jsx**, render 3 UserCard components with different user details.

Example Output:

Name: Anu | Age: 20 | Location: Kochi

Question 2 — useState & Event Handling

Create a Counter App using useState.

Requirements:

- Show a number on screen (start at 0).
 - Button to Increase.
 - Button to Decrease.
 - If the number goes below 0 → show **"Value cannot be negative"**.
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Question 3 — useEffect

Create a Live Clock component using useEffect and setInterval.

Requirements:

- Display current time like **12:05:33 PM**
- Use **setInterval** inside **useEffect** to update every second.
- Don't forget to clear the interval when component unmounts.

Hint: Use **new Date().toLocaleTimeString()**

Question 4 — useContext (Share Global State)

Create a ThemeContext using **createContext()**.

Requirements:

1. Wrap your app in a **ThemeProvider**.
2. Store a **theme** state: **"Light"** or **"Dark"**.
3. Create a button in any component to toggle theme.
4. In a different component, display:

Current Theme: Light / Dark

Question 5 — useState + Lists + Conditional Rendering

Create a Simple To-Do List:

- Input field + Add button
- Store tasks in an array using **useState**
- Display tasks using **.map()**
- If the task list is empty, show **"No tasks yet"**

Bonus: Add a Delete button for each task.