React Lists & Keys – 10 Real-Time Practice Tasks

1. To-Do List App

Display a list of to-dos using **.map()**. Each item should have a delete button that removes it from the list.

Key Concepts Used: .map(), key, useState, event handling

2. Student Marks Table

Render a list of students with names, subjects, and marks in a table using **key={student.id}**.

Key Concepts Used: .map(), keys, JSX tables

3. Product Catalog

Display an array of products (name, price, image) inside styled cards.

Key Concepts Used: .map(), props, keys

4. Dynamic Menu List

Render a sidebar menu from an array (Home, About, Contact). Highlight the selected menu item.

Key Concepts Used: .map(), key, conditional rendering

5. Employee Directory

Render employees with profile picture, name, and designation.

Key Concepts Used: .map(), props, unique keys

6. Filterable List

Display a list of items and filter them as the user types using **.filter() + .map()**.

Key Concepts Used: .map(), .filter(), two-way binding

7. Blog Post List

Render blog cards (title, author, content) with each card as a separate component.

Key Concepts Used: .map(), props, keys

8. Dynamic Select Dropdown

Render a <select> dropdown from an array of options (countries). Show selected value below.

Key Concepts Used: .map(), keys, two-way binding

9. FAQ Accordion

Render a list of FAQs. Show/hide answers when the user clicks a question.

Key Concepts Used: .map(), conditional rendering, keys

10. Shopping Cart Items

Render all cart items (name, quantity, price). Allow users to remove or update quantity dynamically.

Key Concepts Used: .map(), keys, useState

Sample Data Structures for Practice

```javascript
// 1. To-Do List
const todos = [
  { id: 1, task: "Buy groceries" },
  { id: 2, task: "Finish React project" },
  { id: 3, task: "Go jogging" },
];

// 2. Students Table
const students = [
  { id: 1, name: "Chandana", marks: 89 },
  { id: 2, name: "Arjun", marks: 92 },
];

// 3. Product Catalog
const products = [
  { id: 1, name: "Laptop", price: 55000, img: "laptop.jpg" },
  { id: 2, name: "Phone", price: 20000, img: "phone.jpg" },
];

// 4. Menu List
const menu = ["Home", "About", "Contact", "Services"];

// 5. Employee Directory
const employees = [
  { id: 1, name: "John", position: "Developer" },
  { id: 2, name: "Sara", position: "Designer" },
];
```