***NAME: HUZAIFA SHAHID***

***GROUP: ALI HAIDER***

***REPORT #: W:6,D:4***

***TASK TITLE Conditional Rendering, Lists with .map()***

### ⚛️ React: Conditional Rendering & .map() for Lists

These techniques help display dynamic content based on logic and data arrays.

**🔁 1. Lists with .map()**

* **Use**: Display multiple items from an array as JSX elements.
* **Key** prop is required for each item (for performance).

**✅ Example:**

const fruits = ["Apple", "Banana", "Orange"];

function FruitList() {

return (

<ul>

{fruits.map((fruit, index) => (

<li key={index}>{fruit}</li>

))}

</ul>

);

}

**🧠 2. Conditional Rendering**

* **Use**: Show or hide elements based on a condition (like if, ? :, or &&).

**✅ Example (using ternary):**

function Greeting({ isLoggedIn }) {

return (

<h2>{isLoggedIn ? "Welcome back!" : "Please log in."}</h2>

);

}

**✅ Example (using &&):**

{isLoggedIn && <p>You are logged in.</p>}