**1. Explain about conditional rendering in React**

Conditional rendering in React means showing different UI components or elements based on specific conditions. React uses JavaScript logic within JSX to decide what to display. Common techniques include:

• if / else statements

• Ternary operator: condition ? JSX1 : JSX2

• Logical AND: condition && JSX This allows for dynamic control over what appears on the screen.

**2. Define element variables**

Element variables are used to store React elements. They help determine what JSX should be rendered dynamically. You can assign JSX to a variable using if/else or other logic. Then, you can render that variable inside your component's return block.

**3. Explain how to prevent components from rendering**

To prevent a component from rendering in React, return null from its function or render method. Returning null tells React to render nothing for that component. This is useful for hiding components conditionally without completely unmounting them.

**OUTPUT :-**



