**1. What is conditional rendering in React?**  
Conditional rendering in React allows components to render different outputs based on conditions. It uses JavaScript conditional operators like if, else, or ternary ? : within JSX to control what gets displayed.

**2. What are element variables in React?**  
Element variables are used to store JSX elements in a variable. They allow you to conditionally assign or reuse JSX content before returning it in the render method. Example:

let message;

if (loggedIn) {

message = <h1>Welcome</h1>;

}

**3. How can you prevent components from rendering in React?**  
To prevent a component from rendering, you can return null from its render function. This tells React to render nothing for that component without affecting the rest of the UI. Example:

if (!isVisible) return null;