**12.** **ReactJs – HOL**

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

* + Conditional rendering means showing different UI elements based on conditions.
  + It uses JavaScript constructs like if, ternary ? :, or logical && inside JSX.
  + Helps dynamically update the UI based on state or props.

**2.Define element variables**

* + - Element variables store JSX elements in a variable.
    - These variables can be used in render() or return statements of components.
    - Useful for applying conditional logic before rendering.

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

* + Return null from the component’s render method to render nothing.
  + Use conditional logic (like if statements) to skip rendering.
  + Helps in hiding components based on state, props, or conditions.

**React Application – ticketbookingapp**

Create a React Application named “ticketbookingapp” where the guest user can browse the page where the flight details are displayed whereas the logged in user only can book tickets.

The Login and Logout buttons should accordingly display different pages. Once the user is logged in the User page should be displayed. When the user clicks on Logout, the Guest page should be displayed.

**OUTPUT:**



