**15. ReactJS – HOL**

**1. Explain about React forms**

* React forms collect user input using HTML form elements like <input>, <textarea>, and <select>.
* React controls form elements using component state.
* Forms in React need event handling and state updates for every input.

**2. Define controlled components**

* Controlled components are form elements whose values are managed by React state.
* Input changes trigger onChange events that update the state.
* The input value is always taken from the component's state, not the DOM.

**3. Explain about various input controls**

* Common controls include <input>, <textarea>, <select>, and <checkbox>.
* All can be made controlled components by linking them to state.
* Each control type may have its own handling logic in React.

**4. Explain about handling forms**

* Use onChange to update state when input values change.
* Bind form fields to state variables for controlled behavior.
* Manage validation and input logic inside event handlers**.**

**5.Explain about submitting forms**

* Use the onSubmit event on the <form> tag.
* Prevent default HTML form behavior using event.preventDefault().
* Access form data from component state and process it as needed.

**React Application – ticketraisingapp**

Create a React App named “ticketraisingapp” which will help to raise a complaint and get it resolved.

Create a component named “ComplaintRegister” with a form containing a textbox to enter the employee name and a textarea to enter the complaint. Use “handleSubmit” event of the button to submit the complaint and generate a Reference number for further follow ups in the alert box.

**Output :**



