WEEK 7

15.REACTJS-HOL

**1. Explain about React forms**

React forms are used to collect user input. Unlike HTML, React forms are **controlled by state**, meaning form data is handled by React components.

**2. Define controlled components**

Controlled components are form inputs where the **value is controlled by React state**. Any change in the input updates the state using an event handler.

<input type="text" value={name} onChange={e => setName(e.target.value)} />

**3. Explain about various input controls**

React supports all standard HTML input elements:

* **Text input**: <input type="text" />
* **Textarea**: <textarea />
* **Checkbox**: <input type="checkbox" />
* **Radio buttons**: <input type="radio" />
* **Select dropdown**: <select><option>...</option></select>

Each input type can be made controlled using value and onChange.

**4. Explain about handling forms**

* Use onChange handlers to update state for each input
* Use onSubmit to process the form data when submitted

<form onSubmit={handleSubmit}>...</form>

**5. Explain about submitting forms**

Form submission is handled with an onSubmit event. Inside the handler:

* Prevent default behavior using e.preventDefault()
* Access the state data
* Send it to a server or process it

function handleSubmit(e) {

e.preventDefault();

console.log(name); // from state

}