**REACT JSX RULES**

**1. One Parent Element**

* JSX must have **only one parent element**.

// ❌ Invalid

return (

<h1>Hello</h1>

<p>World</p>

);

// Valid

return (

<div>

<h1>Hello</h1>

<p>World</p>

</div>

);

**2. Use className Instead of class**

class is a reserved keyword in JavaScript. Use className in JSX.

<div className="container">Welcome</div>

**3. JSX Attributes are CamelCase**

All DOM properties and event handlers must use camelCase

<input type="text" onChange={handleChange} />

**4. Expressions in Curly Braces {}**

You can use JavaScript expressions (not statements) inside {}

const name = "Omkar";

return <h1>Hello, {name}</h1>;

**5. Self-Closing Tags**

If an element has no children, close it like <img /> or <input />

<img src="logo.png" alt="Logo" />

**6. Comments in JSX**

Use {/\* comment \*/} syntax for comments inside JSX.

return (

<div>

{/\* This is a comment \*/}

<p>Hello</p>

</div>

);

**7. JSX Can Return Fragments**

**You can use < > . . . </ > as short hand for <React.Fragment>**

return (

<>

<h1>Title</h1>

<p>Description</p>

</>

);

**8. JavaScript Logic Goes Outside JSX**

Use if, for, etc., outside JSX, or use ternary/conditional rendering

{isLoggedIn ? <p>Welcome</p> : <p>Please login</p>}

**9. Use Keys in Lists**

Always use key prop when rendering lists.

{items.map(item => (<li key={item.id}>{item.name}</li>))}

**10. Function Components Must Return JSX**

function Greeting() {

return <h1>Hello!</h1>;

}