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***REPORT #: W:6,D:2***

***TASK TITLE JSX, Components (Functional), Props***

### ⚛️ JSX, Functional Components & Props in React

These are the core building blocks of a React application that allow UI creation and data passing.

**🔤 1. JSX (JavaScript XML)**

* **Use**: Allows writing HTML inside JavaScript.
* **Syntax** is similar to HTML but uses JavaScript power.

**✅ Example:**

const element = <h1>Hello, React!</h1>;

**🧩 2. Functional Components**

* **Use**: Define UI blocks using JavaScript functions.
* **Simple** and often used with Hooks (like useState, useEffect).

**✅ Example:**

function Welcome() {

return <h2>Welcome to React</h2>;

}

**📦 3. Props (Properties)**

* **Use**: Pass **data from parent to child** components.
* Props are **read-only** and accessed as parameters.

**✅ Example:**

function Greeting(props) {

return <h3>Hello, {props.name}!</h3>;

}

// Usage:

<Greeting name="Ali" />