**• Explain React components**  
React components are small, reusable pieces of code that return UI (like text, buttons, or layout).  
They help in breaking the webpage into smaller parts.  
Example: A header, footer, or login form can all be separate components.

**• Identify the differences between components and JavaScript functions**

* JavaScript functions just perform logic or return values like numbers or strings.
* React components return **JSX** (which looks like HTML) to show something on the screen.
* React components follow rules like using capital letters and importing React.

**• Identify the types of components**  
There are 2 main types of components in React:

1. **Class Components** – written using class keyword.
2. **Function Components** – written using simple functions.

**• Explain class component**  
A class component is a React component created using a JavaScript class.  
It has a render() method that returns JSX.  
It can also hold a state and use lifecycle methods.

Example:

class Home extends React.Component {

render() {

return <h2>Hello from class component</h2>;

}

}

**• Explain function component**  
A function component is a simple JavaScript function that returns JSX.  
It is shorter and easier to write than a class component.  
Modern React uses function components more because they support hooks.

Example:

function Home() {

return <h2>Hello from function component</h2>;

}

**• Define component constructor**  
The constructor is used in class components to set initial values (called state) and bind methods.  
It runs once when the component is created.

Example:

constructor(props) {

super(props);

this.state = { name: "React" };

}

**• Define render() function**  
The render() function is used in class components to return the UI.  
Whatever is returned inside render() is shown on the screen.  
This method is required in every class component.

Example:

render() {

return <h1>Hello</h1>;

}