**ReactJs HandsOn-10  
1.** **Define JSX**

* JSX (JavaScript XML) is a syntax extension for JavaScript used in React.
* It allows you to write HTML-like code directly inside JavaScript.
* JSX makes code easier to read and understand.

**2.** **Explain about ECMA Script** ECMA Script is the official standard that defines how JavaScript works.

Managed by ECMA International, the specification is called ECMA-262.

ES6 (2015) was a major update introducing let, const, arrow functions, classes, etc.

**3. Explain React.createElement()** React.createElement() is the core function that creates a React element (virtual DOM node).

JSX is just syntactic sugar for React.createElement()  
**4. Explain how to create React nodes with JSX**A React node is created by writing JSX code, which gets compiled to React.createElement().

const heading = <h2>Welcome to React</h2>;   
const container = (   
<div>   
{heading}   
<p>This is a React app.</p>   
</div>   
);

JSX can include nested elements, JavaScript expressions, and components.  
  
**5. Define how to render JSX to DOM**import React from "react";

import ReactDOM from "react-dom/client";

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

const root = ReactDOM.createRoot(document.getElementById("root"));

root.render(element);

**6. Explain how to use JavaScript expressions in JSX**const name = "Rashmita";

const element = <h1>Hello, {name}!</h1>;

**7.** **Explain how to use inline CSS in JSX** JSX uses style attribute with a JavaScript object.

CamelCase property names are required (e.g., backgroundColor not background-color).