Assignments 2- Intro To React

1. How does JSX differ from HTML? : JSX is a syntax extension for JavaScript, while HTML is a markup language. JSX allows you to include expressions and functions within the syntax, while HTML only allows for static text.

2. Why is JSX used in React?: It allows developers to write HTML-like code within their JavaScript files. JSX code tends to be more readable and maintainable, as it resembles the structure of the rendered UI.

3. Can you embed JavaScript expressions in JSX? If so, how?. Yes. JavaScript expression can be embedded by using curly braces

4. How do you write comments in JSX? To write a comment in the JSX , it must be inside the top level element and surrounded by curly braces. {/* eg of comment*/}

5. Explain the significance of curly braces {} in JSX. It tell React to interpret the enclosed content as JavaScript, not plain text.

6. Can JSX be directly rendered to the DOM? No. JSX needs to be transpile into regular JavaScript so that it can be executed or rendered in web browsers.

7.What is the purpose of Babel in relation to JSX? Babel is use to transpile JSX code into regular JavaScript so that it can be executed in web browsers

8. Practice JSX syntax listed on the slide with code examples.

```
function App() {
  const locations = ["Fairfield", "Outtuma", "Iowa City", "California"]
  return (
    <ul>{locations.map((items, index)=><li key={index}>{items}</li>)}</ul>
  );
}

export default App;
```