

**1. How does JSX differ from HTML?**

- JSX allows you to write HTML-like code within JavaScript code, while HTML is by itself written inside an HTML file.

**2. Why is JSX used in React?**

- Allows us to embed JavaScript code with ease using a curly brace.
- Instead of going the more expensive route of manipulating DOM elements it allows us to write HTML like code within JavaScript code easily.

**3. Can you embed JavaScript expressions in JSX? If so, how?**

- Yes, using curly braces.

**4. How do you write comments in JSX?**

- `{/*       */}`

**5. Explain the significance of curly braces {} in JSX.**

- Allows us to embed JavaScript expressions within the HTML like code

**6. Can JSX be directly rendered to the DOM?**

- No, it can't be directly rendered it needs to be transpiled using the tool Babel using `React.createElement()`

**7. What is the purpose of Babel in relation to JSX?**

- It transforms or parses JSX Syntax into regular JavaScript that can be understood and executed.

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

<https://github.com/semhhal/semhhal.github.io/tree/main/SD545/W1/D2>