

\* What is JSX?  
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JSX (JavaScript XML) is a syntax extension for Javascript that allows developers to write HTML-like code withing Javascript. It is primarily used with React to describe the structure of the User Interface (UI) in a declarative and readable way.

JSX is not a programming language. It is syntactic sugar that makes UI code simpler and more intuitive.

- Purpose of JSX

- JSX is designed to make writing and understanding UI code easier.

- It allows developers to combine the layout (HTML) and the logic (JavaScript) in one place.

- Features of JSX

- 1) JSX allows embedding HTML tags directly inside JavaScript code.

- 2) You can insert dynamic values using curly braces inside JSX elements.

- 3) JSX compiles to Javascript

\* Syntax -

① `const element = <div>`

`<p>`

This is JSX!

`</p>`

`</div>`

② `const name = 'John';`

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

`</h1>`