06

JSX Syntax

JSX

👉 short for JavaScript XML

👉 is a syntax extension for JavaScript that simplifies writing React components

👉 allows to use HTML-like syntax directly within JavaScript files

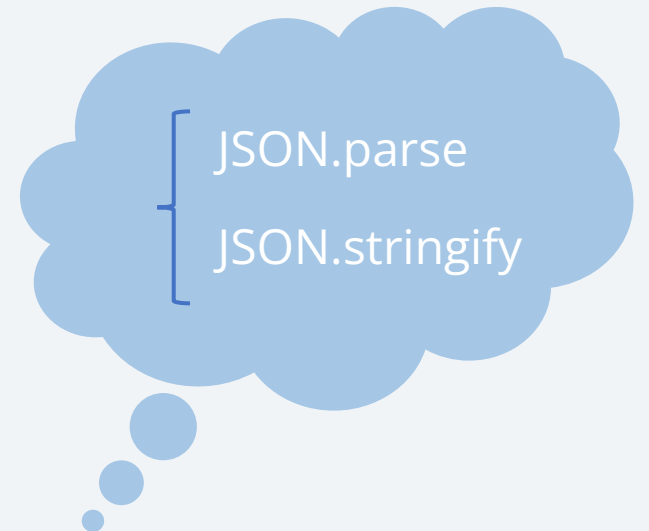👉 making the code more intuitive and visually structured

XML
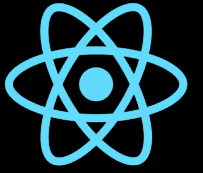
```xml
<student>
    <name>Alex</name>
    <age>25</age>
</student>
```

JSON ✓

```json
{
    "name": "Alex",
    "age": 25
}
```

JSON.parse

JSON.stringify

JSX syntax & key points

👉 When defining a virtual DOM, don't use quotation marks to wrap it

👉 Use curly braces **{}** to embed JavaScript expressions within a JSX tag.

👉 specifying a class for styles, use **"className"** instead of "class"

👉 Inline styles should be written in the form **style={{key: value}},** and the key should be in camelCase format.

👉 There must be **only one** root element. Use a **Fragment** or **<></>** to avoid rendering extra elements.

👉 Self-closing tags must include **/**.

👉 Tag names:
   - starts with a **lowercase** letter: it will be converted to the corresponding **HTML element**.
   - starts with an **uppercase** letter: will look for a corresponding **component**

Thanks for watching

React 19 Full Course