

Module 45-React Core Concepts, JSX, props, state

45-1: Module Introduction, Create React App, 6 core concepts

```
npx create-react-app my-app  
cd my-app  
npm start
```

45-2 JSX, Dynamic content, Dynamic Style in React

JSX stands for **JavaScript XML**

- JavaScript XML
- Allow us to write HTML in React.
- Writing and adding HTML in React is easier.

45-3 Create Component, return HTML from a component

45-4 Pass dynamic data to components, props in react

It is an **object** which stores the value of attributes of a tag and work similar to the HTML attributes.

45-5 (advanced) Create multiple components from an array of objects

45-6 Concept Recap, JSX, components, props, display array of objects

45-7 (advanced) State, component state hook and set state method

useState() functional component এ state variable কে রাখতে দেয়।

useState() কোন state এর প্রাথমিক মান বুঝায়।

45-8 (advanced) Load dynamic data, API call useEffect integrate state

অনেক গুলো variable হলে initially empty array; `const []=useState([]);`

External data load step Five:

1. `useState()`
2. `useEffect()`
3. Data Load()->fetch
4. Connect with state
5. Show data using map

45-9 Module Summary React Core Concepts recap

6 core concept:

1. JSX -> JavaScript এ HTML এর মত code লিখা .
2. Component
3. Props
4. State
5. Event Handler
6. External data load.