

Q. What is React ?

→ React is a javascript library used to build interactive user interfaces, especially for single page applications. It allows developers to build web apps using reusable components each responsible for rendering a part of the UI. React uses a special syntax called JSX, which lets you write HTML like code inside javascript. It improves performance using a virtual DOM, where React updates only the parts of the page that change, instead of Reloading whole page.

With one-way data flow and React built-in tools like Hook (useState, useEffect) React makes it easier to manage data and interaction in modern web pages and apps.

Q. Use of React

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- 1) Building single page Applications
  - 2) Reusable component-based UI.
  - 3) Interactive web interfaces
  - 4) Form handling and Validation
  - 5) Real time data updates
  - 6) Mobile App development
  - 7) Integrating with backend API