

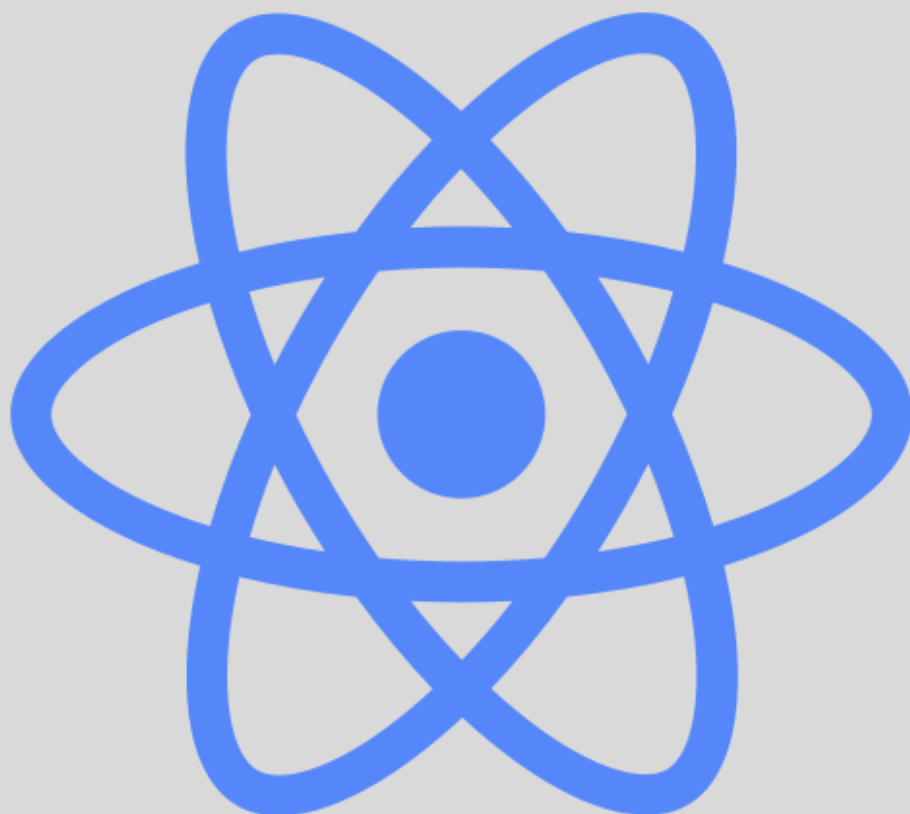


Lokesh Mali
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TOP 25

REACT

INTERVIEW QUESTIONS





Q 1. What is React?

ANS: React is an open-source JavaScript library for building user interfaces or UI components, developed by Facebook.

Q 2. Explain JSX

ANS: JSX (JavaScript XML) is a syntax extension for JavaScript recommended by React for describing what the UI should look like.

Q 3. What is the virtual DOM?

ANS: The virtual DOM is a lightweight copy of the actual DOM in memory. React uses it to improve performance by updating only the changed parts of the actual DOM.

Q 4. What is the significance of keys in React?

ANS: Keys are used to uniquely identify and differentiate between components in React. They help React identify which items have changed, added, or removed.



Q 5. What are state and props in React?

ANS: State is an internal data store that belongs to a specific component, and it can be changed over time. Props are properties passed to a component from its parent, and they are immutable

Q 6. What is the difference between state and props?

ANS: State is internal to a component and can be changed over time, while props are external and passed to a component.

Q 7. Explain the concept of lifting state up.

ANS: Lifting state up is a pattern where the state of a child component is moved to its parent component, allowing multiple child components to share the same state.

Q 8. What is the purpose of setState in React?

ANS: setState is used to update the state of a component and trigger a re-render.



Q 9. What is React Router?

ANS: React Router is a library that enables navigation among views in a React application, allowing for the development of single-page applications.

Q 10. Explain the useEffect hook.

ANS: The useEffect hook in React is used for side effects in functional components, such as data fetching, subscriptions, or manually changing the DOM.

Q 11. What are controlled components in React?

ANS: Controlled components are components where the form data is controlled by React state. The input elements receive their current value from the state and have their value updated through a callback function.

Q 12. What is Redux, and why is it used?

ANS: Redux is a state management library for JavaScript applications, commonly used with React. It helps manage the state of an application in a predictable way



Q 13. Explain the concept of higher-order components (HOC).

ANS: Higher-order components are functions that take a component and return a new component with additional features or props.

Q 14. What is the purpose of the useReducer hook?

ANS: The useReducer hook is used for managing complex state logic in React applications. It is an alternative to useState when state transitions are more complex.

Q 15. What is the significance of the key attribute in React lists?

ANS: The key attribute is used to uniquely identify elements in a list. It helps React efficiently update the DOM when the list changes.

Q 16. What is the difference between class components and functional components?

ANS: class components use ES6 classes and have additional features like state and lifecycle methods, while functional components are simpler and are often used with hooks.



Q 17. Explain the concept of refs in React.

ANS: Refs are used to access the DOM directly or to reference a React element. They provide a way to interact with the underlying DOM nodes in React

Q 18. What are React hooks?

ANS: React hooks are functions that allow functional components to use state, lifecycle methods, and other React features.

Q 19. Explain the purpose of the useContext hook.

ANS: The useContext hook is used to access the value of a React context within a functional component.

Q 20. What is the significance of the dangerouslySetInnerHTML property in React?

ANS: dangerouslySetInnerHTML is used to inject HTML directly into a component, but it should be used with caution to avoid cross-site scripting (XSS) vulnerabilities. .



Q 21. What is the purpose of the componentDidMount lifecycle method?

ANS: componentDidMount is invoked immediately after a component is mounted, making it suitable for initial AJAX requests or setting up subscriptions.

Q 22. What is the React developer tool?

ANS: The React Developer Tools is a browser extension that allows developers to inspect and debug React component hierarchies in the Chrome and Firefox browsers

Q 23. Explain the concept of context in React.

ANS: Context provides a way to pass data through the component tree without having to pass props manually at every level. It is often used to share values like themes or authentication status.

Q 24. What are the advantages of using React?

ANS: React offers a virtual DOM for improved performance, a component-based architecture for modular development, and a strong community support, among other advantages..



Q 25. How does React handle prop drilling, and how can it be avoided?

ANS: Prop drilling occurs when props are passed down through multiple levels of components. It can be avoided by using context or state management libraries like Redux.

THE END



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My **CONTENT**

HTML

CSS

BOOTSTRAP

JAVASCRIPT

MERN

NEXT.JS

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INTERVIEW