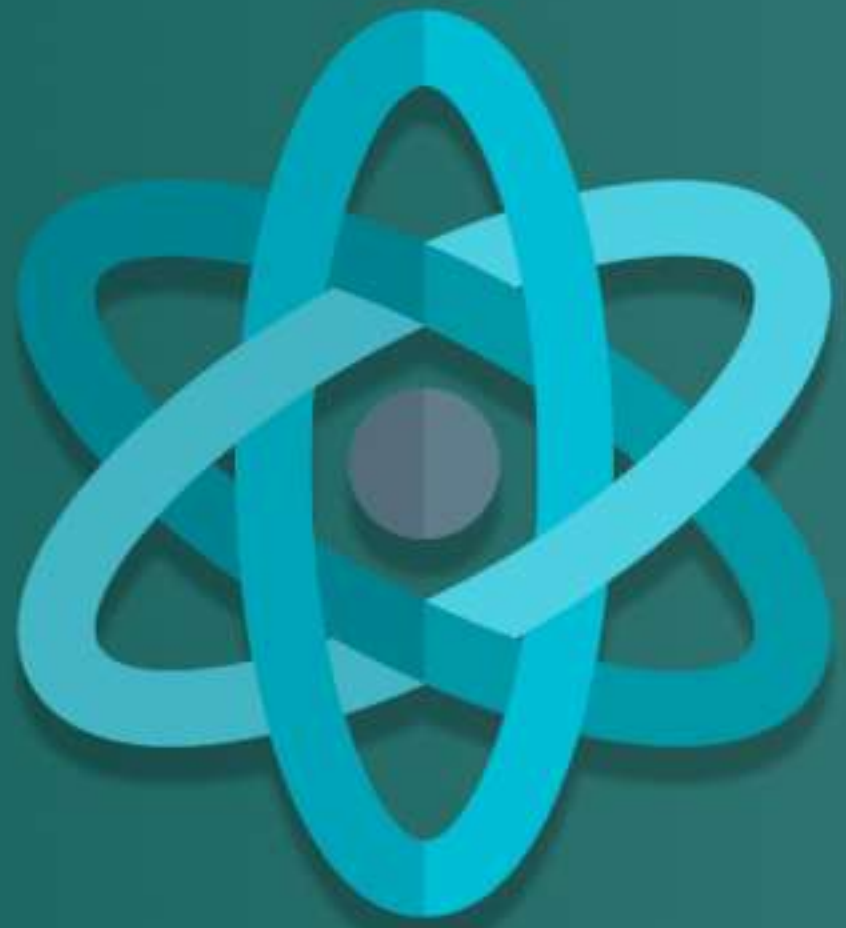


65 Interview Questions for React

Developers



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- 1. What is React?**
- 2. What are the key features of React?**
- 3. What are the limitations of React?**
- 4. Explain the difference between Real DOM and Virtual DOM?**
- 5. What is JSX?**
- 6. Why can't browsers read JSX?**
- 7. What are React components?**
- 8. What are the differences between functional and class components?**
- 9. What are the differences between controlled & uncontrolled components?**
- 10. What is the difference between state and props in React?**



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- 11. What are React hooks? Name some common hooks.**
- 12. How do useState and useEffect work in React?**
- 13. What is the importance of key in React?**
- 14. Explain the concept of lifting state up in React.**
- 15. How does one pass data between components in React?**
- 16. What are the new features introduced in React 18?**
- 17. What is concurrent rendering in React 18?**
- 18. How does automatic batching work in React 18?**



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- 19. What is the useTransition hook, & how does it work?**
- 20. Explain the working of useDeferredValue in React 18.**
- 21. What is Suspense, & how does it work?**
- 22. How has React 18 improved Suspense?**
- 23. What is the new startTransition function in React 18?**
- 24. What is the difference between useTransition & startTransition?**
- 25. How do you use the Concurrent Features introduced in React 18?**
- 26. How does React 18 enhance server-side rendering (SSR)?**



- 27. What is React Server Components, and how does it work with React 18?**
- 28. What role does the concurrentMode flag play in React 18?**
- 29. Explain the React lifecycle methods in detail.**
- 30. What is React Context API, and when would you use it?**
- 31. What are higher-order components (HOCs) in React?**
- 32. How does React handle forms and controlled components?**
- 33. What is Prop Drilling, and how can it be avoided?**



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- 34. What are React Portals, and when should you use them?**
- 35. What is the significance of React's `shouldComponentUpdate` method?**
- 36. What are Fragments in React?**
- 37. Explain the concept of memoization in React using `React.memo` and `useMemo`.**
- 38. How do you optimize performance in a React application?**
- 39. What are the rules for using React Hooks?**
- 40. How do you handle errors in React using error boundaries?**
- 41. . What is the `componentDidCatch()` method in React?**



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- 42. What are synthetic events in React?**
- 43. How can you test a React component?**
- 44. What is the role of Jest in React testing?**
- 45. What is the difference between shallow rendering and full rendering in testing?**
- 46. How to implement lazy loading in React?**
- 47. How can you test React hooks?**
- 48. How do you handle forms and validations in React?**
- 49. What is Redux, and how does it relate to React?**
- 50. What are the key principles of Redux?**
- 51. What are actions, reducers, and the store in Redux?**



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- 52. What is the difference between useReducer and Redux?**
- 53. How does one connect Redux to a React component?**
- 54. What are React middlewares in Redux, and give examples?**
- 55. What are thunks in Redux?**
- 56. How do you handle asynchronous actions in Redux?**
- 57. Explain the differences between Redux, Context API, & MobX for state management.**
- 58. What do you understand about Redux Toolkit**



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- 59. What is React Router?**
- 60. How do you implement dynamic routing in React?**
- 61. What is the difference between BrowserRouter and HashRouter?**
- 62. What is the significance of Route and Switch in React Router?**
- 63. How do you pass parameters in React Router?**
- 64. What are nested routes in React Router?**
- 65. What are Custom Hooks in React?**



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