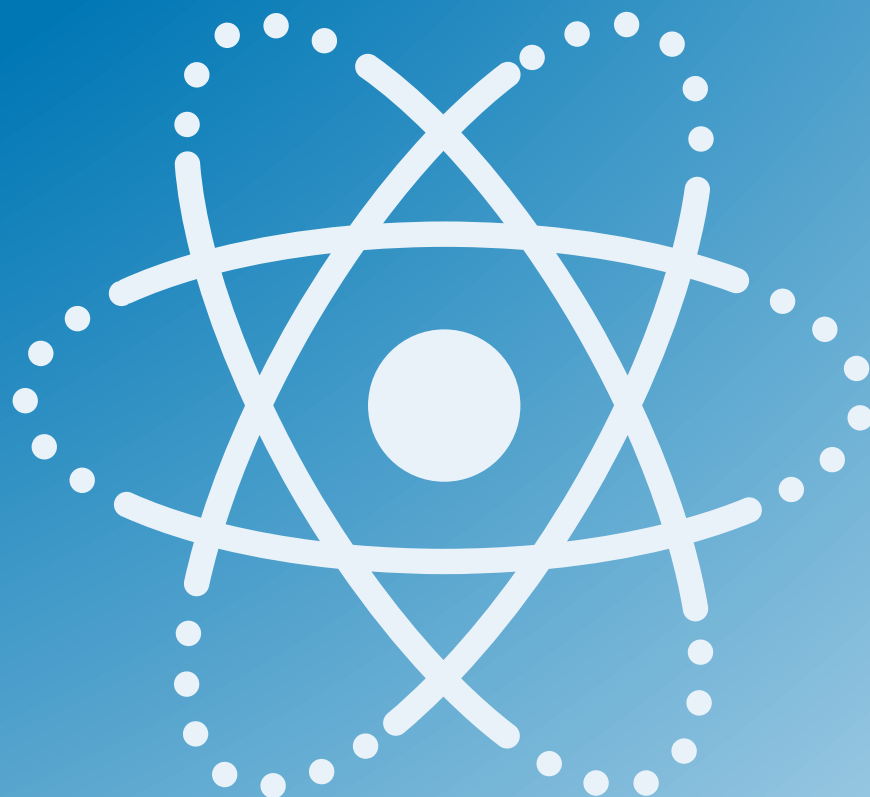


# 50

# REACT JS

## INTERVIEW QUESTIONS



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# Basic Questions

- What is React?
- What are the features of React?
- What is JSX?
- What are components in React?
- Explain the lifecycle methods of a React component.
- What is the difference between state and props?
- What are controlled components?
- What are uncontrolled components?
- What is a Higher-Order Component (HOC)?
- Explain the concept of Virtual DOM.



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# Intermediate Questions

- What is the difference between functional and class components?
- How do you handle events in React?
- What are keys in React and why are they important?
- How do you pass data between components in React?
- What are React Hooks?
- What are the most commonly used hooks in React?
- Explain useState and useEffect hooks.
- What is the Context API?
- How does the Context API help in managing state?
- What is Redux?



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# ADVANCED QUESTIONS

- How do you implement routing in React?
- What are the differences between React Router and traditional routing?
- How do you optimize performance in a React application?
- What are React Fragments?
- Explain the useMemo and useCallback hooks.
- What is React Fiber?
- How does server-side rendering work in React?



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# ADVANCED QUESTIONS

- What are error boundaries in React?
- How do you handle forms in React?
- What is the difference between `useEffect` and `useLayoutEffect`?
- What are some common best practices for writing React components?
- What is code splitting in React?
- How do you lazy load components in React?



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- Explain the importance of PropTypes.
- How can you ensure code quality in a React project?
- What is the difference between context and Redux for state management?
- How do you handle authentication in React?
- What are render props?
- Explain the concept of React portals.
- How do you manage side effects in React?



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# MISCELLANEOUS

- What is the difference between `useState` and `useReducer`?
- What are the advantages of using TypeScript with React?
- How do you test React components?
- What are some common performance pitfalls in React applications?
- Explain the concept of reconciliation in React.
- What is the purpose of `React.StrictMode`?



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# MISCELLANEOUS

- How do you handle conditional rendering in React?
- What is the difference between a controlled and uncontrolled component?
- What are some popular React component libraries?
- How do you integrate React with other libraries or frameworks?



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