

React Interview Questions (25 One-Liners)

Q1. What is React?

A JavaScript library used to build fast and interactive user interfaces.

Q2. Who developed React?

React was developed by Facebook (now Meta).

Q3. What is a component in React?

A reusable, independent piece of UI.

Q4. What are the types of components in React?

Functional components and class components.

Q5. What is JSX?

A syntax extension that allows writing HTML inside JavaScript.

Q6. Can browsers read JSX directly?

No, JSX must be compiled to JavaScript using tools like Babel.

Q7. What is state in React?

An object that holds dynamic data for a component.

Q8. What are props?

Inputs passed to components to make them reusable.

Q9. What is the difference between state and props?

State is mutable and managed inside the component, while props are read-only and passed from parent components.

Q10. What is the virtual DOM?

A lightweight copy of the real DOM used to improve performance.

Q11. What is reconciliation in React?

The process of updating the real DOM efficiently using the virtual DOM.

Q12. What is `useState`?

A React Hook used to add state to functional components.

Q13. What is `useEffect`?

A Hook used to perform side effects in functional components.

Q14. What are React Hooks?

Functions that allow functional components to use React features like state and lifecycle.

Q15. What is controlled component?

A component whose form data is controlled by React state.

Q16. What is uncontrolled component?

A component that manages its own form data using the DOM.

Q17. What is lifting state up?

Moving state to a common parent component to share data.

Q18. What is conditional rendering?

Rendering components based on conditions.

Q19. What is React Router?

A library used for navigation and routing in React applications.

Q20. What is a key in React?

A unique identifier used to track list items efficiently.

Q21. What is context API?

A feature used to share data across components without prop drilling.

Q22. What is prop drilling?

Passing data through multiple component levels unnecessarily.

Q23. What is memoization in React?

An optimization technique to prevent unnecessary re-renders.

Q24. What is React.memo?

A higher-order component that memoizes functional components.

Q25. What is Redux?

A state management library commonly used with React.