

React JS MCQs 3

Topics : [React JS](#)

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21. What is the purpose of the useCallback hook in React?

- a) To memoize functions so that they are not recreated on every render (**Correct Answer**)
- b) To manage state within functional components
- c) To fetch data from an API
- d) To define context providers

22. How can you optimize performance in React applications?

- a) By using PureComponent or memoization for functional components (**Correct Answer**)
- b) By increasing the number of re-renders
- c) By adding more unnecessary DOM elements
- d) By using synchronous rendering

23. What is the purpose of the key prop in React?

- a) To specify the type of component
- b) To define the initial state of a component
- c) To uniquely identify elements in an array of children and improve performance during reconciliation (**Correct Answer**)
- d) To define CSS classes for styling

24. How does React handle events?

- a) React uses a synthetic event system that normalizes events across different browsers (**Correct Answer**)
- b) React relies on native browser events exclusively
- c) React doesn't support event handling
- d) React events are handled asynchronously

25. What is the purpose of the useContext hook in React?

- a) To manage component state
- b) To handle context within class components
- c) To access context values in functional components (**Correct Answer**)
- d) To fetch data from an external API

26. What is the key difference between state and props in React?

- a) State is immutable, while props are mutable
- b) State is passed from parent to child components, while props are managed internally by components
- c) State is managed internally by components and can be changed, while props are passed from parent to child components and are immutable **(Correct Answer)**
- d) State and props are interchangeable concepts in React

27. How can you pass data from a child to a parent component in React?

- a) By using the setState method
- b) By using props **(Correct Answer)**
- c) By using context
- d) By using event listeners

28. What is the purpose of the useMemo hook in React?

- a) To perform data fetching
- b) To subscribe to changes in state or props
- c) To memoize expensive calculations and optimize performance **(Correct Answer)**
- d) To manage side effects in functional components

29. What is the purpose of the useReducer hook in React?

- a) To manage complex state logic and perform state transitions **(Correct Answer)**
- b) To manage component lifecycle events
- c) To create reusable custom hooks
- d) To fetch data from an API

30. Which method is used to handle errors in React components?

- a) componentDidCatch **(Correct Answer)**
- b) componentDidError
- c) componentDidFail
- d) componentDidErrorBound