React JS MCQs 11

Topics : React JS
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- **101. In React, which lifecycle method is called when a component is about to update?**
  - a) componentWillMount
  - b) componentDidUpdate
  - c) componentWillUpdate **(Correct Answer)**
  - d) componentDidMount
- **102. How do you access route parameters in a React component using React Router?**
  - a) By using the `this.params` object
  - b) By using the `this.props.params` object
  - c) By using the `useParams()` hook **(Correct Answer)**
  - d) By accessing the `params` object directly from the router
- **103. What is the purpose of the `Fragment` component in React?**
  - a) To create a new component
  - b) To group multiple elements without adding extra nodes to the DOM **(Correct Answer)**
  - c) To provide default props to a component
  - d) To define global styles for the entire application
- **104. How do you prevent a component from re-rendering unnecessarily in React?**
  - a) By using the `shouldComponentUpdate` method in class components
  - b) By using the `React.memo` higher-order component for functional components
  - c) By using the `PureComponent` class in class components
  - d) All of the above **(Correct Answer)**
- **105. What does the `dangerouslySetInnerHTML` attribute do in React?**
  - a) It allows you to define HTML attributes with dynamic values
  - b) It sets the inner HTML of a React element from a string **(Correct Answer)**
  - c) It allows you to define inline styles with dynamic values
  - d) It prevents XSS attacks in React components
- **106. How do you conditionally apply styles to a React component?**
  - a) By using the `style` attribute with an object containing conditional styles
  - b) By using the `className` attribute with conditional CSS classes
  - c) By using CSS-in-JS libraries like styled-components
  - d) All of the above **(Correct Answer)**
- **107. What is the purpose of the `forwardRef` function in React?**
  - a) To forward props from parent to child components
  - b) To forward DOM attributes from parent to child components
  - c) To forward refs from parent to child components **(Correct Answer)**
  - d) To forward context from parent to child components
- **108. How do you perform code splitting in React?**
  - a) By using dynamic imports with `React.lazy` and `Suspense`
  - b) By splitting the code manually into smaller chunks

- c) By using the `SplitChunksPlugin` in Webpack
- d) All of the above **(Correct Answer)**
- **109. What is the purpose of the `useReducer` hook in React?**
  - a) To manage component state
  - b) To manage complex state logic and perform state transitions **(Correct Answer)**
  - c) To create reusable custom hooks
  - d) To fetch data from an API
- **110. How do you handle errors in React components?**
  - a) By using the `try-catch` statement inside the `render` method
  - b) By using the `componentDidCatch` lifecycle method **(Correct Answer)**
  - c) By using the `ErrorBoundary` component provided by React
  - d) All of the above