**React quiz questions and answers:**

What is a React component?

["A visual element of a web page", "A unit of code that can be reused", "A browser extension", "A type of CSS selector"]

What is JSX?

["A file format for images", "A JavaScript library for manipulating HTML", "A programming language", "A syntax extension for JavaScript"]

What is the purpose of a constructor in a React component?

["To create the component's HTML structure", "To initialize the component's state and bind event handlers", "To set the component's CSS styles", "To handle user input"]

How do you render a React component?

["By calling its render() method", "By calling its constructor", "By using the ReactDOM.render() method", "By setting the component's state"]

What is the difference between props and state in a React component?

["Props are used to pass data to a component, while state is used to manage data within a component", "Props and state are the same thing", "Props are used for styling, while state is used for data management", "State is used to pass data to a component, while props are used to manage data within a component"]

What is the purpose of the render() method in a React component?

["To update the component's state", "To render the component's HTML structure", "To bind event handlers to the component", "To pass data to child components"]

How do you define a functional component in React?

["By extending the Component class", "By using the function keyword", "By using the render() method", "By creating a new instance of the React.Component class"]

What is the purpose of the key prop in a React component?

["To uniquely identify a component in a list", "To set the component's CSS styles", "To define the component's event handlers", "To define the component's props"]

How do you pass data from a parent component to a child component in React?

["By using props", "By using state", "By using the constructor", "By using the render() method"]

How do you create a new instance of a React component?

["By using the React.createClass() method", "By calling the component's constructor", "By using the ReactDOM.render() method", "By using the new keyword"]