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| 1. Children in JSX are: |
| a special property which is used in the component's state. |
| JSX logic between the opening and the closing tag of the component. |
| an array of all given properties to the component. |
| a real component passed as prop. |
| 2. Props are: |
| used to store data and are mutable. |
| properties that handle DOM events. |
| used to emit custom events. |
| an immutable object which is used to pass data from parent to child components. |
| 3. A class component must have: |
| a lifecycle method. |
| a render method. |
| a constructor. |
| a state. |
| 4. What is NOT true about controlled components? |
| They pipe all the input state through a React component. |
| They use reference to the actual DOM element. |
| The input element's value is kept in the state. |
| They use custom handlers for change or submit events. |
| 5. What is the purpose of the render() function in React? |
| The function does not return anything. |
| It's a lifecycle hook. |
| It's a pure function which returns JSX. |
| The function returns plain HTML. |
| 6. Which of the following statements is NOT true about state? |
| Can change in child components. |
| Can get initial value from the parent component. |
| Can set default values inside the component. |
| Can set initial value for the child component. |
| 7. What are keys in React? |
| Built-in functions inside class components. |
| They are needed for conditional rendering. |
| They identify which items have been changed, added or removed inside the Virtual DOM. |
| Special attributes that React attaches on every DOM element behind the scenes. |
| 8. Which property is NOT in the route props list? |
| exact |
| history |
| match |
| 9. Which answer contains an invalid JSX syntax? |
| children={[{},{},{}]}, class, onsubmit |
| onClick, onSubmit, key={"3"} |
| date={new Date()}, stringProp={"some string"} |
| className, numberProp={3}, objectProp={{}} |
| 10. What is NOT true about hooks? |
| Always shoud start with the "use" keyword. |
| Can be used in other hooks or class components. |
| Let you use state and other react features without writing a class. |
| Hooks are JavaScript functions. |
| 11. What are the different component lifecycle phases? |
| rendering phase, controlling phase, deletion phase |
| initial rendering phase, updating phase, unmounting phase |
| mounting phase, unmounting phase |
| creating phase, reading phase, updating phase, deletion phase |
| 12. What is true about functional and class components? |
| Class components can render JSX and functional cannot. |
| A class component is preferred over a functional component. |
| A functional component cannot use setState() (excluding React hooks). |
| Both have lifecycle hooks. |
| 13. Which answer is NOT part of the Context API? |
| getContext |
| displayName |
| Provider |
| createContext |
| 14. Which of the following answers is NOT true about create-react-app? |
| Create-react-app is a JS library which creates React applications. |
| If the eject command is runned, that will allow you to access the config files. |
| You cannot build React application without create-react-app module. |
| Includes React, JSX, ES6, TypeScript and Flow syntax support. |
| 15. What is NOT true about client-side rendering? |
| All of the page's resources are hosted on the server. |
| A router loads the current content when the location changes. |
| Allows navigation without fully reloading the page. |
| Address bar change can reflect the site content. |
| 16. Enzyme is a JavaScript testing utility for React that makes it easier to assert, manipulate and traverse your React components' output. |
| true |
| false |
| 17. Which of the following methods is marked as unsafe? |
| static getDerivedStateFromProps() |
| componentWillUpdate() |
| componentWillUnmount() |
| shouldComponentUpdate() |
| 18. What is true about setState and useState? |
| SetState is used in hooks and useState in classes. |
| SetState merges the state, while useState doesn't. |
| SetState does NOT merge the previous with the current state and useState merges it. |
| The initial value for both can only be an object. |
| 19. What is NOT true about the difference between DOM and Virtual DOM? |
| Real DOM updates slowly, Virtual DOM is fast. |
| Real DOM can directly update the HTML, Virtual DOM cannot. |
| Real DOM is supported by any browser, Virtual DOM is supported only in React. |
| Real DOM's manipulations are very expensive, Virtual DOM's manipulations are very easy. |
| 20. What can we do with Higher-Order Components? |
| Only router logic is placed inside. |
| Store the state globally. |
| Reuse component logic. |
| Implement the container pattern. |