

React Training Day-2

1. What is useState?

- ⇒ “useState” is one of the React hooks, which enables us to add state management in functional components. It gives us an array with two elements: one is current state value and next is a function to update the state value.

2. What is props drilling and state lifting?

- ⇒ When a prop has to be passed through multiple layers of nested components to a deeply nested child component which actually does some action on it, this is called props drilling.

State lifting is a technique we use in React, where instead of each components having it's own state, the state is lifted up to their closest common ancestor. Then, these states are passed down via props.

3. What is the 'key' attribute?

- ⇒ The 'key' attribute in React is used to uniquely identify elements in an array. When rendering lists, key helps React identify which items have changed, been added, or removed.

4. What is synthetic event?

- ⇒ Synthetic event can be called as a cross-browser wrapper wrapped around browser's native event. By name, it suggests that all the events in react will act and response consistently across all the browsers.

5. What is virtual dom?

- ⇒ A lightweight replica of the real DOM is called the Virtual DOM. By maintaining a virtual version of the user interface (UI) in memory, React leverages the Virtual DOM to improve rendering. Whenever the state of a component changes, React will update the virtual DOM first, looks for efficient ways to update the actual DOM, and then applies the updated version of the Virtual DOM. This process will be quicker and more efficient.