Module-7) React - Applying Redux

**Q1 : What is Redux?**

Redux is an open-source JavaScript library for managing and centralizing application state. It is most commonly used with libraries such as React or Angular for building user interfaces. Similar to Facebook's Flux architecture, it was created by Dan Abramov and Andrew Clark

**Q2: What is Redux Thunk used for?**

Redux Thunk middleware allows you to write action creators that return a function instead of an action. The thunk can be used to delay the dispatch of an action, or to dispatch only if a certain condition is met. The inner function receives the store methods dispatch and getState as parameters.

**Q3: What is Pure Component? When to use Pure Component over Component?**

**What is Pure Component**

React pure components are the components that do not re-render when the value of props and state has been updated with the same values. Since these components do not cause re-rendering when the same values are passed thus they improve performance.

**use Pure Component over Component?**

It is the type of component which re-renders only when the props passed to it changes and not even if its parent component re-renders or if the shouldComponentUpdate()method is called. It is greatly used to enhance the performance of a web application.

**Q4: What is the second argument that can optionally be passed tosetState and what is its purpose?**

The second parameter to setState() is an optional callback function that will be executed once setState is completed and the component is re-rendered. componentDidUpdate should 4

**Q4: What is the second argument that can optionally be passed tosetState and what is its purpose?**

**What is the second argument**

The second argument that can optionally be passed to [setState](https://www.geeksforgeeks.org/reactjs-setstate/) is a[**callback function**](https://www.geeksforgeeks.org/javascript-callbacks/)which gets called immediately after the setState is completed and the components get re-rendered.

If you want your program to update the value of a state using setState and then perform certain actions on the updated value of state then you must specify those actions in a function which should be the second argument of the setState. If we would not do so then those actions will be performed on the previous value of state because of**asynchronous**nature of setState.