**Module-7) React - Applying Redux**

1. **What is Redux?**

* Redux is a predictable state container designed to help you write JavaScript apps that behave consistently across client, server, and native environments, and are easy to test. While it's mostly used as a state management tool with React, you can use it with any other JavaScript framework or library.

1. **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.

1. **What is Pure Component? When to 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.

1. **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 be used instead to apply such logic in most cases. You may directly pass an object as the first argument to setState instead of a function.