**ASSIGNMENT:-1**

**MODULE:- 13 React-Applying Redux**

**Q.1 What is Redux ?**

**ANS:-** 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 interface.

Similar to FLUX architecture

It was created by dan Abramov and Andrew clark.

**Q.2 What is redux thunk used for?**

**ANS:** 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

**Q.3 what is pure component? When to use pure component over component?**

**ANS:-** If the previous value of the state or props and the new value of the state or props are the same the component will not re-render it self.

Pure components resteicts the re-rendering when there is no use for re-rendering of the component.

* Using pure component you are telling react that your component complies with this requirement.
* React doesn’t need to re-render as long as its props and state haven’t changed.
* Your component will still re-render if a context that it’s using changes.

**Q.4 What is the second argument that can optionally be passed tosetstate and what is its purpose?**

**ANS:-** The second argument that can optionally be passed to setstates is a callback function which get 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 action on the updated value of the state then you must specify those action in a function which should be the second argument of the setstate

If we do not do so then those action will be performed on the previous value of state because of the ASYNCHRONOUS nature of setstate.