# Assignment

## MODULE: 7 (React – Applying Redux)

1) What is Redux?

**Ans:** 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.

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.

3) What is Pure Component? When to use Pure Component over Component?

**Ans:** 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.

**4) What is the second argument that can optionally be passed to setState and what is its purpose?**

**Ans:** 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.

**5) Create a Table and Search data from table using React Js?**

**Ans:** https://github.com/KunalPatel30/Assignment/tree/main/table_search

**6) Create Login registration with CRUD Application using API (Redux)**

**Ans:**

https://github.com/KunalPatel30/Assignment/tree/main/redux%20CRUD/redux_crud