**Day 9 React JS 18 Jan. 25**

**Redux :** Redux is a third party library which is use to manage the state. It is also known as state management library or tool. Using redux we can make local state variable as global variable. If we store state variable in redux store, we can access those state variable in any component those matter their relationship.

**Redux component**

1. Store: store is place where the application’ state is stored. If state variable is a part of store it is consider as global state variable.
2. Reducer : reducer is a plain JavaScript function which takes two parameter 1st initialstate and 2nd parameter action. Base upon action it will do the change on state variable part of store.
3. Actions : Action is plain JavaScript object which is responsible to do changes on state variable part of store. Example increment, decrement, add\_product, delete\_product, update\_product etc.
4. Dispatch : dispatch is responsible to pass the action to reducer to do the change on state variable part of store. To dispatch action redux provided new hook ie useDispatch()
5. State : the variable part of store consider as global state variable.
6. Selectors : to access state variable part of store redux provided new hook that useSelector(). Using this hook we can access state variable part of store.

npx create-react-app react-with-redux-app

cd react-with-redux-app

npm install redux react-redux

reducer.js

store.js

index.js : we need to enable redux feature to react application.

React-redux module provided pre defined tag is Provider which contains store as a attribute and pass the reference of store object and wrap this provider to root or parent component in react js.