**REDUX OLD VERSION : Using CreateStore Method.**

1. **Installation :**

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| npm install redux  npm install react-redux |

1. **Create Constants :**

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| export const INCREMENT\_TYPE = "INCREMENT\_TYPE";  export const DECREMENT\_TYPE = "DECREMENT\_TYPE"; |

1. **Create Actions : data : is the payload given by user , action function return type of action and data in form of payload.**

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| --- |
| import { INCREMENT\_TYPE, DECREMENT\_TYPE } from "../constant"  export function IncrementCounterAction(data) {      return {          type: INCREMENT\_TYPE,          payload:data      }  }  export function DecrementCounterAction() {      return {          type: DECREMENT\_TYPE,      }  } |

1. **Create Reducer :** It takes data from action and reduce it into the standard form. In this the action.payload is the data from the user which is dispatched.

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| import { INCREMENT\_TYPE, DECREMENT\_TYPE } from "../constant";  const initialState = 60;  function myReducer(state = initialState, action) {      switch (action.type) {          case INCREMENT\_TYPE:              return state + action.payload;          case DECREMENT\_TYPE:              return state - 1;          default:              return state;      }  }  export default myReducer; |

1. **Combine Multiple Reducer : Create a RootReducer**

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| import { combineReducers } from "redux";  // Import Reducers  import myReducer from "./myreducer";  const rootReducer = combineReducers({ myReducer })  export default rootReducer; |

1. **Create Store :**

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| import rootReducer from "./reducers/rootReducer";  import {createStore} from "redux";  const store = createStore(rootReducer,window.\_\_REDUX\_DEVTOOLS\_EXTENSION\_\_ && window.\_\_REDUX\_DEVTOOLS\_EXTENSION\_\_());  export default store; |

**note : window.\_\_REDUX\_DEVTOOLS\_EXTENSION\_\_ && window.\_\_REDUX\_DEVTOOLS\_EXTENSION\_\_()**

**are the redux devTool Setup (Optional)**

1. **Connect Redux Store With Out WebApp :**

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| import { Provider } from 'react-redux';  import store from './redux/store.js';    <Provider store={store} >        <App />      </Provider> |

1. **Display Redux Store Data and Perform Action**

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| --- |
| import { useSelector, useDispatch } from 'react-redux';  import {**IncrementCounterAction**,**DecrementCounterAction**} from "./redux/actions/myaction";  **const dispatch = useDispatch();**  const **myCounter** = useSelector((state) => state.myReducer);  HTML :   <h1>Counter : **{myCounter}** </h1>  <button type="button" **onClick={()=>dispatch(DecrementCounterAction())}** >Decrement --</button>  &nbsp;  <button type="button" **onClick={()=>dispatch(IncrementCounterAction(100))}** >Increment ++</button> |