Step:1

1. create folder under src contexts
2. create todocontext,js file in contexts
3. and create index.js file {we have multiple of context will store in index file so we can use it}
4. in todocontext.js file import=> import { createContext,useContext } from "react";
5. todos :[
6. {
7. id:1,
8. todo :"Todo Message",
9. completed :false
10. }
11. ],
12. addTodo : (todo) => {},
13. updateTodo : (id,todo) => {},
14. deleteTodo : (id,) => {},
15. ToggleComplete : (id) => {}
16. })
17. export const useTodo =() => {
18. return useContext(TodoContext) }
19. export const TodoProvider = TodoContext.Provider
20. in index.js export what you want from export {TodoContext,TodoProvider} from "./Todocontext"

step:2

1. app.js file wrap todoprovider <TodoProvider value={{todos, addTodo, updateTodo, deleteTodo, ToggleComplete }}> it will bring all the data from todocontext file
2. add the all todos in a usestates
3. create all functons of addtodo updatetodo etc
4. now we are going to update in localstorage
5. we are asking localstorege that if you have data give me that data
6. for this we are using USEEFFECT HOOK
7. useEffect(()=>{
8. const todos =JSON.parse(localStorage.getItem("todos"))
9. if (todos && todos.length > 0){
10. setTodos(todos)
11. }
12. },[])
13. [ ] =>dependency array
14. Now create components there are two components
15. Create new folder components and create 3files todoform.js ,todoitem.js ,index.js
16. In todoforms.jsx create function
17. E.preventdfault means the form will not submit any were
18. Submit button
19. Noe edit todoitem =>

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# Redux tool kit

Redux tool kit:

1.redux is a independent library to connecting react will use react-redux

2.we create store to store all things

3. create reducer if we want to change anything in store {functionally path handel by reducer}

4.use selector use to select value and use dispatch is to dispatch the value

5.create project

6.install redux from website

7. create folder app in src and file name store.js to store all the data

8.after creating store.js we have to import some files from redux toolkit

import {configureStore} from '@reduxjs/toolkit'

export const store = configureStore({})

9. we have to create reducers .the other name of reducers is slices

Create 2folder name feature and todo then create file name todoslice.js

import { createSlice,nanoid } from "@reduxjs/toolkit";

const initialState ={

    todos:[{id:1, text :"helloworld"}]

}

export const todoSlice =createSlice({

    name :'todo',

    initialState,

    reducers:{

        addTodo:(state,action)=>{

            const todo = {

                id:nanoid(),

                 text : action.payload

            }

            state.todos.push(todo)

        },

        removeTodo: (state,action)=>{

            state.todos = state.todos.filter((todo)=>todo.id !==action.payload)

        },

10.Nanoid will generate unique id///// reducers is a functionality

11 .will get state and action

State:how many todos are passing 5or 10 this hand-to-hand situation{current state of state} is called state

Action:for adding and remiving we need some id will get this id from action{what ever the data is passing will get in this}

12. now export todos

13. create the components folder; just we are focusing on add the thinks and remove the thinks

14.we collecting t the data and sending to the store by using usedispatch method.

15.rfce add usestate

Now we have to collect the data and send it to the store

16.use dispatch hook and add onhandeler method

   const addTodoHandler = (e) =>{

        e.preventDefault()

    }