export const initialState ={

   name:"Deepak",

   age : 20

}

export type actionType={

type: 'CHANGE\_NAME',

payload: string

} |

{

  type:'CHANGE\_AGE',

  payload:number

}

export const reducer = (state : typeof initialState, action: actionType)=>

{

if(action.type=="CHANGE\_NAME"){

return {

  ...state,

  name:action.payload

}

}

if(action.type=="CHANGE\_AGE"){

return {

  ...state,

 age:action.payload

}

}

return state;

}

App.tsx

import React, { createContext, useReducer } from 'react';

import logo from './logo.svg';

import './App.css';

import { actionType, initialState, reducer } from './reducer';

import User from './User'

type ctxType =

{

  state: typeof initialState,

  dispatch:React.Dispatch<actionType>

}

export const UserContext = createContext({} as ctxType)

function App() {

  const [state, dispatch] = useReducer(reducer, initialState)

  return (

    <div className="App">

      <UserContext.Provider value={{state, dispatch}}>

<User/>

</UserContext.Provider> </div>

  );

}

export default App;

User

import React, { useContext } from 'react'

import { UserContext } from './App';

export const User = () => {

const {state,dispatch} = useContext(UserContext);

  return (

    <div>User {state.name}

    <button onClick={()=> {dispatch({type:"CHANGE\_NAME", payload:"New Name"})

    }}> update name</button>

    </div>

  )

}

export default User;