Context API Practical 1

1. In src create contexts folder
2. Create UserContext.js file

import { createContext } from "react";

const UserContext=createContext(null)

export default UserContext

1. Create UserContextProvider.jsx

import React, { useState } from 'react'

import UserContext from './UserContext';

function UserContextProvider({children})

{

    const[user,setUser]=useState( { sname:'Alice'} ) //data u wish to share with other components

    let fruit="Apple";

    let car="Audi"

    let sachin={user,fruit,car} //put all the data into an object

  return (

   <UserContext.Provider value={{sachin}}> //assign the object u wish to share to the value attribute

    {children}

   </UserContext.Provider>

  )

}

export default UserContextProvider

1. App.jsx

import React from 'react'

import Homepage from './components/Homepage'

import UserContextProvider from './contexts/UserContextProvider'

const App = () => {

  return (

   <>

   <UserContextProvider> //Wrap the components you wish to access the context in the <..Provider>

    <Homepage/>

   </UserContextProvider>

   </>

  )

}

export default App

1. Homepage.jsx

import React, { useContext } from 'react'

import UserContext from '../contexts/UserContext'

const Homepage = () => {

    const {sachin}=useContext(UserContext) //fetch the Context value into local object

  return (

    <>

        <h1>Hi {sachin.fruit}</h1> //read from the local object

        <h1>Hi {sachin.car}</h1>

        <h1>Hi {sachin.user.sname}</h1>

    </>

  )

}

export default Homepage