import Content from "./Content";

import Footer from "./Footer";

import Header from "./Header";

import  React from "react"

const mydata = <h2>Hello this is aman</h2>

const App=()=>{

  return(

    <div>

    <Header/>

    <Footer/>

    <Content/>

    <h1>Welcome to cybrom{mydata}</h1>

    </div>

  )

}

export default App;

// import  React  from "react"

// const mydata = <h2>Hello this is aman</h2>

// function App(){

//     return(

//       <h1>Welcome to cybrom{mydata}</h1>

//     )

//   }

//   export default App;

Content.js (File Name)

const Content=()=>{

    return(

        <h1>this is Header  Program</h1>

      )

}

export default Content;

Fotter.js (file name)

const Footer=()=>{

    return(

        <h1>this is Header  Program</h1>

      )

}

export default Footer;

Header.js(file Name)

const header=()=>{

    return(

        <h1>this is Header  Program</h1>

      )

}

export default header;

Fragment Tag

// Fragment Tag

const App=()=>{

    return(

      <>

      <h1> Welcome TO bhopal</h1>

      <h2>Welcome to Indore</h2>

      <h2>Welcome to Indore</h2>

      </>

    )

  }

  export default App;

Empty Tag & Container Tag

// Empty Tag & Container Tag ( Empty element must be closed )

const App=()=>{

  return(

    <>

    <h1> Welcome TO bhopal</h1>

    <br />

    <hr />

    <input type="text" />

    </>

  )

}

export default App;

CSS ko Call karne ke liye ( ClassName) word ka use karte hai

import "./raj.css"

const App=()=>{

  return(

    <>

    <h1 className="header"> Welcome TO bhopal</h1>

    </>

  )

}

export default App;

raj.css(file name)

.header{

    color: red;

    text-decoration: underline;

}

ExpressionJSX

const  name = "Aman";

const  age  = 21;

const App=()=>{

    return(

        <h1>Welcome to bhopal {name} my Age is {age\*2+100}</h1>

    )

}

export default App;

Calling Data

const data =<ul>

           <li>vikas</li>

           <li>neeraj</li>

           <li>aman</li>

           <li>gaurav</li>

</ul>

const App=()=>{

  return (

    <h1>Hello Friends !!!! {data}</h1>

  )

}

export default App;

React Component ( What you mean about component)

import Header from "./Header";

import Content from "./Content";

import Footer from "./Footer";

const App=()=>{

  return (

      <>

      <Header></Header>

      <hr />

      <Content> </Content>

      <hr />

      <Footer>

      </Footer>

      </>

  )

}

export default App;

Header.js

import Logo from "./Logo";

import Topmenu from "./Topmenu";

const Header=()=>{

    return(

      <>

        <h1>this is Header  Program</h1>

        <Logo ></Logo>

        <Topmenu></Topmenu>

        </>

      )

}

export default Header;

Content.js

import Bottomdata from "./Bottomdata";

import Middiledata from "./Middiledata";

import Topdata from "./Topdata";

const Content=()=>{

    return(

      <>

        <h1>this is Content  Program</h1>

        <Topdata></Topdata>

        <Middiledata></Middiledata>

        <Bottomdata></Bottomdata>

        </>

      )

}

export default Content;

Footer.js

const Footer=()=>{

    return(

        <h1>this is    Program</h1>

      )

}

export default Footer;

Logo.js

const Logo=()=>{

    return(

        <>

        <h1>THis is logo</h1>

        </>

    )

}

export default Logo;

// Topmenu.js

const Topmenu=()=>{

    return(

        <>

        <h1>THis is my Topmenu</h1>

        </>

    )

}

export default Topmenu;

// Topdata.js

const Topdata=()=>{

    return(

        <>

        <h1>THis is Topdata</h1>

        </>

    )

}

export default Topdata;

// MiffileData .js

const Middiledata=()=>{

    return(

        <>

        <h1>THis is Middle</h1>

        </>

    )

}

export default Middiledata;

// bottom.js

const Bottomdata=()=>{

    return(

        <>

        <h1>THis is Bottom</h1>

        </>

    )

}

export default Bottomdata;

npm create vite@latest(latest

Technology/updated version)

Props

import Collage from "./Collage";

const App=()=>{

  return (

      <>

        <Collage  Cname="BUIT" tseat="600" add="Hosangabaad road"/>

      </>

  )

}

export default App;

Collage.js

const Collage=(props)=>{

      return(

        <>

        <h1>My Collage Name {props.Cname}</h1>

        <h1>My Collage total {props.tseat}</h1>

        <h1>My Collage Address{props.add}</h1>

        </>

      )

}

export default Collage;

Props with Extern variable

App.jsx

import Cybrom from "./Cybrom"

let name = "Aman";

let Collage = "BarkatUllah University"

let age = "24"

let address = "Bhopal"

const App=()=>{

   return(

    <>

    <Cybrom na={name} cna={Collage} ag = {age} ci={address}/>

    </>

   )

}

export default App;

Cybrom.jsx

const Cybrom=(props)=>{

    return(

        <>

        <h1>My  name is {props.na}</h1>

        <h1>my collage name is {props.cna}</h1>

        <h1>my  age is {props.ag}</h1>

        <h1>my  city is {props.ci}</h1>

        </>

    )

}

export default Cybrom;

npm run dev

After copy link paste on browser and press Enter

Props with Object

App.jsx

import Cybrom from "./Cybrom"

const Student = {

    Name:"Aman",

    Roll:"201",

    Age : "24",

    Fees:" 2345543"

}

const App=()=>{

   return(

      <>

      <h1>Welcome TO React </h1>

      <Cybrom na={Student.Name} roll={Student.Roll} age ={Student.Age} fee={Student.Fees} />

      </>

   )

}

export default App;

Cybrom.jsx

import "./Style.css"

const Cybrom=(props)=>{

    return(

        <>

        <div className="header">

        <h1>My name is {props.na}</h1>

        <h1>My Roll number is {props.roll}</h1>

        <h1>My Age  is {props.age}</h1>

        <h1>My Feees is {props.fee}</h1>

        </div>

        </>

    )

}

export default Cybrom;

Style React

  <div style={{ backgroundColor:"red" ,width:"600px", height:"350px" ,padding:"10px" ,margin:"150px"}}>

         <div style={{ backgroundColor:"saddlebrown" ,width:"500px", height:"250px" ,padding:"10px" ,margin:"50px"}}>

            <h1 style={{ color:"darkblue" ,backgroundColor:"khaki" ,width:"300px" ,padding:"50px" ,margin:"55px"}}> Hello Aman</h1>

         </div>

      </div> \*/}

     {/\* <div><h1 style={{ color:"red" ,backgroundColor:"yellow" ,width:"300px" ,margin:"130px",justifyContent:"center"  ,padding:"100px" ,border:"2px solid black"}}>CYBROM BHOPAL</h1></div>

External Css with Image

import myimg1 from "./assets/Image/r1.jpg"

import myimg2 from "./assets/Image/r2.jpg"

import myimg3 from "./assets/Image/r3.jpg"

const App=()=>{

   return(

      <>

      <h1 className="h">Header</h1>

      <br />

      <h2 id="body"> Welcome this is Mana </h2>

      <div className="name">Hello my name is aman

          i  am from rewa

      </div>

      <div id="coll">I from BarkatUllah University Institute of technology

      </div>

      <div>

         <h1 className="h">Middile</h1>

      </div>

     <div className="img">

     <img src={myimg1} width="300px" height="300px" />

     <img src={myimg2} width="300px" height="300px" />

     <img src={myimg3} width="300px" height="300px" />

     </div>

      </>

   )

}

export default App;

\*{

    background-color : red;

}

#body{

    background-color: pink;

}

.name{

    font-size: 50px;

    color:blue;

}

#coll{

    color: red;

    text-decoration:underline;

}

.h{

    color : brown;

    margin-left: 250px;

    padding:10px;

}

.img{

    display:flex;

}

React router DOM :-

To install in cmd -> npm i react-router-dom

Today react topic:

React router dom

App.jsx

import {BrowserRouter, Routes, Route} from "react-router-dom";

import Layout from "./Layout";

import Home from "./Home";

import About from "./About";

import Contect from "./Contect";

const App=()=>{

   return(

      <>

      <BrowserRouter>

         <Routes>

            <Route path="" element={<Layout/>}>

                 <Route index element={<Home/>}/>

                 <Route path="home" element={<Home/>}/>

                 <Route path="about" element={<About/>}/>

                 <Route path="contect" element={<Contect/>}/>

            </Route>

         </Routes>

      </BrowserRouter>

      </>

   )

}

export default App;

Layout.jsx

import {Link,Outlet} from "react-router-dom";

const Layout=()=>{

    return(

        <>

        <Link to="home">Home </Link>

        <Link to="about">About </Link>

        <Link to="contect">Contact </Link>

        <hr size="50px" color="black"> </hr>

        <Outlet />

        <hr size="20px" color="red"></hr>

        <h1>www.mycollage.com</h1>

        </>

    )

}

export default Layout;

Home.jsx

const Home=()=>{

    return(

        <>

        <h1>This is Contact Part</h1>

        </>

    )

}

export default Home;

About.jsx

const About=()=>{

    return(

        <>

        <h1>This is C Part</h1>

        </>

    )

}

export default About;

Contect.jsx

const Contect=()=>{

    return(

        <>

        <h1>This is Contact Part</h1>

        </>

    )

}

export default Contect;

Creating table

App.jsx

import Student from "./Student";

const ans= Student.map((key)=> {

     return(

        <>

        <tr>

        <td>{key.rollno}</td>

        <td>{key.name}</td>

        <td>{key.city}</td>

        </tr>

        </>

     )

})

const App=()=>{

    return(

        <>

        <h1>Cybrom Boysssssss</h1>

 <table align="center" width="500" border="2">

  <tr>

    <th>Rollno</th>

    <th>Name</th>

    <th>City</th>

 </tr>

  {ans}

  </table>

        </>

    )

}

export default App;

Student.jsx

const Student=[

    {

        "rollno":201,

        "name":"Aman",

        "city":"bhopal"

    },

    {

        "rollno":202,

        "name":"rahul",

        "city":"rewa"

    },

    {

        "rollno":203,

        "name":"gaurav",

        "city":"surendra"

    },

]

export default Student;

Normal Portfolio

App.jsx

import {BrowserRouter , Routes, Route} from "react-router-dom"

import Layout from "./Layout";

import Home from "./Home";

import About from "./About";

import Skill from "./Skill";

import Experience from "./Experience";

import Contact from "./Contact";

import Education from "./Education";

import Work from "./Work";

const App=()=>{

    return(

        <>

        <BrowserRouter>

           <Routes>

              <Route path="/" element={<Layout />}>

                <Route  index element={<Home/>} />

                <Route path="home" element={<Home/>} />

                <Route path="about" element={<About/>} />

                <Route path="skill" element={<Skill/>}/>

                <Route path="education" element={<Education/>} />

                <Route path="work" element={<Work/>}/>

                <Route path="experience" element={<Experience/>}/>

                <Route path="contact" element={<Contact/>}/>

              </Route>

           </Routes>

        </BrowserRouter>

        </>

    )

}

export default App;

About.jsx

const About=()=>{

    return(

        <>

        <h1 className="cr">I am fascinate About IT work </h1>

        <h4>I am From Rewa In MP , I am Always a average Student in the class</h4>

        <h4>My 10th Persentile is 87%  and My 12th persentile is 82% </h4>

        <h4>Now I am Pursuing B-tech From BarkatUllah University Institute of Technology From bhopal</h4>

        <h3>And Also I am Learning Full stack Styding from Cybrom Technology private Limited</h3>

             </>

    )

}

export default About;

Contact.jsx

const Contact=()=>{

    return(

        <>

        <h1 className="s3">MY Contact Number is : </h1>

        <h2 className="s2">9685493754</h2>

        </>

    )

}

export default Contact;

Education.jsx

const Education=()=>{

    return(

        <>

        <h1>

            My Education is Completing 10th & 12th and also Pursuing B-tech

        </h1>

        <h2>From BarkatUllah University Institute of Technology in Bhopal </h2>

        </>

    )

}

export default Education ;

Expereince.jsx

const Experience=()=>{

    return(

        <>

        <h1 className="s1">Right Now I have No Experience </h1>

        </>

    )

}

export default Experience;

Home.jsx

const Home=()=>{

    return(

        <>

        <h1 className="home">MY NAME IS AMAN KUMAR PATEL</h1>

        <div className="cr"><h1>I Am A Creative </h1>

        <h1>Full Stack Developer </h1>

        <h1>From Bhopal </h1>

        </div>

        <p className="home">Software Developer , a person or oraganization who develop Program / application.

        Code to Connect people with facebook  for Develops</p>

        <button type="button" className="button"> Contact Us </button>

        </>

    )

}

export default Home;

Layout.jsx

import {Link,Outlet} from "react-router-dom"

import myimg1 from "./assets/Image/Virat.jpg"

import Aman from "./assets/Image/Aman.jpg"

import { FaYoutube , FaTwitter,FaInstagram ,FaLinkedin, FaGithub, FaTelegram } from "react-icons/fa";

const Layout=()=>{

    return(

        <>

        <header className="Header">

        @ Portfolio @

               <h1>

        <Link to="home" className="Header">Home</Link>

        <Link to="about" className="Header">About </Link>

        <Link to="skill" className="Header">Skill</Link>

        <Link to="education" className="Header">Education</Link>

        <Link to="work" className="Header">Work</Link>

        <Link to="experience" className="Header">Experience</Link>

        <Link to="contact" className="Header">Contact</Link>

        </h1>

      </header>

      <fotter className="fotter">

        {/\* <hr size="0" color="" /> \*/}

        <div className="outlet">

         <div className="imgoutlet">

         <Outlet   />

         </div>

         </div>

         {/\* <hr size="" color="red" /> \*/}

         <div className="img">

         <img src={myimg1} className="in" text-align="right" width="500px" height="500px" />

         {/\* <img src={Aman} className="in" width="300px" height="300px" /> \*/}

         </div>

         </fotter>

        <div className="ic">

        <FaYoutube className="icons youtube" />

        <FaTwitter className="icons twit"/>

        <FaInstagram className="icons insta"/>

        <FaLinkedin className="icons linked"/>

        <FaGithub className="icons git"/>

        <FaTelegram className="icons tele"/>

        </div>

        <h1>WWW.mycollage.com</h1>

        </>

    )

}

export default Layout;

Skill.jsx

const Skill=()=>{

    return(

        <>

        <h1 className="s1" ># Java</h1> <h1 className="s1" > # C++</h1>

        <h1  className="s2"># HTML </h1><h1 className="s1" ># CSS</h1><h1 className="s1" > # JAVA SCRIPT</h1> <h1 className="s1" ># REACT</h1>

        {/\* <h1  className="s3"># MYSQL </h1> <h1  className="s3"># GITHUb</h1> \*/}

        </>

    )

}

export default Skill;

Work.jsx

const Work=()=>{

    return(

        <>

        <h1>This is Work</h1>

        </>

    )

}

export default Work;

Style.css

\*{

    background-color:gray;

}

/\* .main{

    display : flex;

    justify-content: space-between ;

    padding:20px;

    border-radius:30px;

    border:3px solid blue;

    background-color :;

    flex-wrap: wrap;

}

h1{

} \*/

.Header{

    color:white;

    font-size:15px;

    padding:30px;

    text-align: right;

    margin-right:2px;

   display:inline;

   justify-content: space-between;

}

.outlet{

    display:flex;

    justify-content:space-between;

    width: 600px;

    height: 390px;

    display:inline;

}

.in{

    width: 400px;

    height: 350px;

    padding: 5px;

    border-radius:150px

}

.img{

    text-align: right;

}

.home{

    color:silver;

    font-size:20px;

    padding:20px;

}

imgoutlet{

    display:inline;

    justify-content: space-between;

     padding:50px

}

.fotter{

    color:white;

    display:flex;

    justify-content:space-between;

    margin-left:20px;

}

.button{

    background-color:gray;

    color:white;

    margin-left:150px;

}

.cr{

    margin-left:50px;

    color:beige

}

.ic{

    display: flex;

   gap:50px;

    padding :50px;

   margin-left:5px;

    height: 20px;

}

.icons{

    height:30px;

    width: 30px;

}

.youtube{

    color:red;

    border-radius: 500px;

    background-color: gray;

    padding:10px

}

.twit{

    color:blue;

    border-radius: 500px;

    background-color: gray;

    padding:10px

}

.insta{

    color:maroon;

    border-radius: 500px;

    background-color: gray;

    padding:10px

}

.linked{

    color:blue;

    border-radius: 90px;

    background-color: gray;

    padding:10px

}

.git{

    border-radius: 90px;

    background-color: gray;

    padding:10px

}

.tele{

    color:Blue;

    border-radius: 500px;

    background-color: gray;

    padding:10px

}

.s1{

    color:black;

}

.s2{

    color:tan

}

.s3{

    color:beige;

}

Create table with other design page

App.jsx

import Student from "./Student";

import Studentdes from "./Studentdes";

const App=()=>{

    const ans = Student.map((key)=>  < Studentdes

      id = {key.emid}

      name = {key.emname}

      sal  = {key.emsal}

      city = {key.emcity}

      />

    );

      return(

        <>

        <h1>Welcome Cygrom</h1>

        {ans}

        </>

      )

}

export default App;

Student.jsx

const Student = [

    {

        "emid":3002,

        "emname":"swerd",

        "emsal":9493,

        "emcity":"Hydrabaad"

    },

    {

        "emid":3003,

        "emname":"sweshdjrd",

        "emsal":949324,

        "emcity":"pune"

    },

    {

        "emid":3004,

        "emname":"swerqoeod",

        "emsal":9493394,

        "emcity":"indore"

    },

    {

        "emid":3006,

        "emname":"swksdkerd",

        "emsal":949394,

        "emcity":"bhopali"

    },

    {

        "emid":30034,

        "emname":"akdlswerd",

        "emsal":9494823,

        "emcity":"rewadi"

    }

]

export default Student;

Studentdes.jsx

const Studentdes =(props)=>{

      return(

        <>

        <h1>Employee Id : {props.id}</h1>

        <h1>Employee Name : {props.name}</h1>

        <h1>Employee Salary : {props.sal}</h1>

        <h1>Employee City : {props.city}</h1>

        </>

)

}

export default Studentdes;

Onclick & Onmouse Event

App.jsx

const App=()=>{

    const display=(a,b)=>{

        let add = a+b;

        alert("Total number go additon is : "+add);

    }

    return(

        <>

        <button  onClick={()=>{display(3,5)}}>Additon</button>

        </>

    )

}

export default App;

Event object

const App=()=>{

    const display=(clg,val)=>{

        alert(clg+"Event Object" + val.type);

    }

    return(

        <>

          <button onClick={(a)=>{display("TIT",a)}}>

          click

          </button>

        </>

    )

}

export default App;

onclick event

const App=()=>{

    const display=(e)=>{

        let btnname = e.target.name;

        let btnval = e.target.value;

        alert("Name"+btnname+"Value = "+btnval)

    }

    return(

        <>

        <button name = "btn1" value = "AMan Patel" onClick={display}>Click Here</button>

        </>

    )

}

export default App;

OnmouseOut Event

const App=()=>{

    const mydata=(e)=>{

        let type = e.target.type

        let name = e.target.name

        let value = e.target.value

        alert("Type :"+type+" Name: "+name+" Value : "+value);

    }

    return(

        <>

        <input type="text" name="city" value="Bhopal" onMouseOut={mydata} />

        </>

    )

}

export default App;

Application normal

const App=()=>{

    return(

        <>

        <body>

        <h1>Application Form </h1>

       <div className="body">

        Your  Name: <input type="text"></input>

         <br></br>

         <br/>

        Fath. Name: <input type="text"></input>

         <br></br> <br/>

        Moth. Name: <input type="text"></input>

         <br></br>

         <br/>

        D. O. B. : <input type="date"></input>

         <br></br>

         <br/>

        <h3>Hobbies:</h3>

         <input type="checkbox" name="r1"/>Singing

         <input type="checkbox" name="r1"/>Playing

         <input type="checkbox" name="r1"/>Writing

         <input type="checkbox" name="r1"/>Reading

         <br></br>

         <br/>

         Upload Photo : <input type="file"></input>

         <br/><br/>

         <button>Add Photo</button>

         <br/>

         <br/>

         <h3>Select Course</h3>

         <select>

           <option>B-Tech</option>

           <option>BCA</option>

           <option>BSC</option>

           <option>MBA</option>

         </select>

         <br></br>

         <br/>

         <h4>Tell Whats Your Goal in life</h4>

         <textarea rows="" cols="45"></textarea>

         <br/>

         <br/>

         <button>Save This</button>

<br/>

            <h4>Or</h4>

            Contact Us <input type="Number"></input>

        <br/><br/>

        <button>Submit</button>

        </div>

        </body>

        </>

    )

}

export default  App;

const App=()=>{

    return(

    <>

    <h1>Application form</h1>

    Name: <input type="text"/>

    <br/>

    <br/>

    Hobbies:

    <input type="checkbox" name="r1"/> Singing

    <input type="checkbox" name="r1" />Dancing

    <input type="checkbox" name="r1"/> Reading

    <input type="checkbox" name="r1" />Cooking

    <br/>

    <br/>

    Upload image: <input type="file"/><button>Browse</button>

    <br/>

    <br/>

    select cources:

    <select>

    <option>Bca</option>

    <option>pgdca</option>

    <option>telly</option>

    <option>commarce</option>

    </select>

    <br/>

    <br/>

    <br/>

    comment:

    <textarea rows="" cols="45"/>

    <br/>

    <button>save this</button>

    <br/>

    <h2>OR</h2>

     Contact us: <input type="Number"/>

    </>

    )

    }

    export default App;

css

body{

}

h1{

    margin-left:480px;

}

.body{

    border: 1px solid darkgrey;

    padding:50px;

    align-items:  center;

    width:400px;

    margin-left: 350px;

    justify-content:  space-between;

    font-family: Georgia, 'Times New Roman', Times, serif;

    font-size: 20px;

    color:rgb(127, 36, 24);

    background-color: rgb(216, 207, 199);

}

button{

    margin-left: 100px;

    color:rgb(38, 46, 50);

    background-color: rgb(225, 175, 175);

}

input{

    color: rgb(80, 53, 61);

    background-color: rgb(248, 212, 197);

}

Increment & decrement program

import { useState } from "react";

const  App=()=>{

        const [count ,setcount] = useState(0);

        return(

            <>

             <center>

                <h1>COunter App in React js:</h1>

                <h1>Court : {count}</h1>

                <button onClick={()=>{setcount(count+1)}}>Increment</button>

                <button onClick={()=>{setcount(count-1)}}>Decrement</button>

             </center>

               </>

        )

}

export default App;

city Change

import {useState} from "react";

const App=()=>{

    const [city,setcity] = useState("Bhopal");

    // const mycolor =()=>{

    //     setcolor("blue")

    // }

    return(

        <>

        <h1>Welcome to cybrom !!!!!!!!: {city}</h1>

        <button onClick={()=>{setcity("Indore")}}>Indore</button>

        <button onClick={()=>{setcity("Jabalpur")}}>Jabalpur</button>

        <button onClick={()=>{setcity("Satna")}}>Satna</button>

        </>

    )

}

export default App;

Background color change

import {useState} from "react";

const App=()=>{

    const [color,setcity] = useState("red");

    // const mycolor =()=>{

    //     setcolor("blue")

    // }

    return(

        <>

      <center>

        <h1 style={{backgroundColor:color}}>my color is {color}</h1>

      </center>

        <button onClickCapture={()=>{setcity("pink")}}>Indore</button>

        <button onClickCapture={()=>{setcity("black")}}>Jabalpur</button>

        <button onClickCapture={()=>{setcity("red")}}>Satna</button>

        </>

    )

}

export default App;

handle Onchange

import { useState } from "react";

const App=()=>{

    const [nm, setnm]=useState("")

    const [city,setcity]=useState("");

    const handleName=(e)=>{

       setnm(e.target.value);

    }

    const handlecity = (e)=>{

        setcity(e.target.value);

    }

    return(

        <>

        Enter Name:<input type="text" value={nm} onChange={handleName}></input>

        <br/> <br/>

        Enter City: <input type="text" value={city} onChange={handlecity}></input>

        <br/><br/>

        <button>Data Save</button>

        </>

    )

}

export default App;

// input with showing console

import { useState } from "react";

const App=()=>{

    const [name ,setname] = useState("");

    const [city ,setcity] = useState("");

   const handle=()=>{

        console.log("name"+name+" City "+city)

   }

    return(

        <>

        Name : <input type="text" name="name" value={name} onChange={(e)=>{setname(e.target.value)}}></input>

        <br/>

        city : <input type="text" name="city" value={city} onChange={(e)=>{setcity(e.target.value)}}></input>

         <button onClick={handle}>Submit</button>

        </>

    )

}

export default App;

Handle multiple input using spreed operator

import { useState } from "react";

const App=()=>{

      const [input ,setinput] = useState({})

   const handleinput=(e)=>{

        let name = e.target.name;

        let value = e.target.value;

        setinput(values=>({...values, [name]:value}));

        console.log(input);

   }

   const handleSubmmit=()=>{

        console.log("Data Saved");

         console.log(input);

   }

    return(

        <>

        <h1>THis is SPreed operator / multiple value handle</h1>

         Enter RollNo :<input type="text" name="rollno" value={input.rollno}  onChange={handleinput}></input>

        <br/>

         Enter fees :<input type="text" name="fees" value={input.fees}  onChange={handleinput}></input>

        <br/>

        Enter Name :<input type="text" name="name" value={input.name} onChange={handleinput}></input>

        <br/>

        Enter city :<input type="text" name="city" value={input.city} onChange={handleinput}></input>

        <br/>

         <button onClick={handleSubmmit}>Submit</button>

        </>

    )

}

export default App;

Use Effect Hook

 Use Effect Hook  (use effect her baar rander karta hai aur counting ko badhata hai)

No dependency

import { useState, useEffect } from "react";

const App=()=>{

    const [cnt ,setcnt]=useState(0)

   useEffect(()=>{

    setTimeout(() => {

        setcnt(cnt+1);

    }, 100);

   })

    return(

        <>

        <h1>My count: {cnt}</h1>

        </>

    )

}

export default App;

// useeffect with empty Array

import { useState, useEffect } from "react";

const App=()=>{

    const [cnt ,setcnt]=useState(0)

  useEffect(()=>{

     setTimeout(()=>{

        setcnt(cnt+1)

     },2000)

  },[])

    return(

        <>

        <h1>My count: {cnt}</h1>

        </>

    )

}

export default App;

// use effect  if dependency is change then  will change

// use effect  is a side effect it has two member  ,first is function and second is dependency

// import { useState, useEffect } from "react";

// const App=()=>{

//     const [cnt ,setcnt]=useState(0)

//     const [multi ,setmulti]=useState(0)

//   const myadd=()=>{

//     setcnt(cnt+1);

//   }

//   useEffect(()=>{

//      setmulti(cnt\*2)

//   },[cnt])

//     return(

//         <>

//         <h1>My count: {cnt}</h1>

//         <h1>My Multiplication : {multi}</h1>

//         <button onClick={myadd}>Ckick Here</button>

//         </>

//     )

// }

// export default App;

// useeffect with empty Array

// import { useState, useEffect } from "react";

// const App=()=>{

//     const [cnt ,setcnt]=useState(0)

//   useEffect(()=>{

//      setTimeout(()=>{

//         setcnt(cnt+1)

//      },2000)

//   },[])

//     return(

//         <>

//         <h1>My count: {cnt}</h1>

//         </>

//     )

// }

// export default App;

In cmd Install

npm i axios

Show dada With the help of axios

import {useState,useEffect} from "react"

import axios from "axios"

const App=()=>{

    const [mydata, setmydata] = useState([]);

    const loadData=()=>{

        axios.get("http://34.198.81.140/attendance.json").then((res)=>{

            setmydata(res.data)

        });

      }

    useEffect(()=>{

        loadData();

    },[])

    const ans = mydata.map((key)=>{

        return(

            <>

          <tr>

            <td>{key.emp\_id}</td>

            <td>{key.name}</td>

            <td>{key.gender}</td>

            <td>{key.designation}</td>

            <td>{key.department}</td>

            <td>{key.basic\_salary}</td>

         </tr>

            </>

        )

    });

    return(

        <>

        <h1>Display Emplooyee Data</h1>

        <table align="center" width="800" border="1" >

       <tr>

        <th>Emp No</th>

        <th>Name</th>

        <th>Gender</th>

        <th>Designation</th>

        <th>Deparment</th>

        <th>Salary</th>

       </tr>

       {ans}</table>

        </>

    )

}

export default App;

New Create

Db1.json

[

    {

        "id":201,

        "name":"Aman",

        "age":34,

        "branch":"Information Technology"

    },

    {

        "id":202,

        "name":"Rahul",

        "age":24,

        "branch":"civil"

    },

    {

        "id":203,

        "name":"Gaurav",

        "age":23,

        "branch":"Machenichal"

    },

    {

        "id":204,

        "name":"Arvendra",

        "age":20,

        "branch":"Electrical Engeenering"

    }

]

App.jsx

import { useState,useEffect } from "react";

import axios from "axios";

const App=()=>{

     const [mydata ,setmydata] = useState([]);

     const localdata=()=>{

         axios.get("./DB/db1.json").then((res)=>{

            setmydata(res.data);

         })

     }

     useEffect(()=>{

         localdata();

     },[])

     const ans = mydata.map((key)=>{

        return(

            <>

            <tr>

                <td>{key.id}</td>

                <td>{key.name}</td>

                <td>{key.age}</td>

                <td>{key.branch}</td>

            </tr>

            </>

        )

     });

     return(

        <>

        <h1>This is MYdata  form</h1>

        <table align="center" width="400" border="2">

        <tr>

            <th>ID :</th>

            <th>Name :</th>

            <th>Age :</th>

            <th>Branch :</th>

        </tr>

        {ans}

        </table>

        </>

     )

}

export default App;

Create database and

Go to cmd on the floder which is in db.json file created

& Wirte => json-server --watch db.json

After find the link and

Link to be copy and paste to chrome and

And copy url

<http://localhost:3000/students>

App.jsx

import { BrowserRouter, Route ,Routes } from "react-router-dom";

import Layout  from "./Layout";

import Home from "./Home";

import Insert from "./Insert";

import Display from "./Display";

const App=()=>{

        return(

            <>

            <BrowserRouter>

               <Routes>

                <Route path="/" element={<Layout/>}>

                <Route index element={<Home/>}></Route>

                <Route path="home" element={<Home/>}></Route>

                <Route path="insert" element={<Insert/>}></Route>

                <Route path="display" element={<Display/>}></Route>

                </Route>

               </Routes>

            </BrowserRouter>

            </>

        )

}

export default App;

Layout.jsx

import {Link ,Outlet} from "react-router-dom"

const Layout=()=>{

        return(

          <>

          <Link to="home">Home</Link>

          <Link to="insert" >Insert </Link>

           <Link to="display" >Display</Link>

           <hr size="" color="red" />

           <Outlet />

           <hr size="" color="red" />

          </>

        )

}

export default Layout;

home.jsx

const Home=()=>{

    return(

        <>

        <h1 className="home">MY NAME IS AMAN KUMAR PATEL</h1>

        {/\* <div className="cr"><h1>I Am A Creative </h1>

        <h1>Full Stack Developer </h1>

        <h1>From Bhopal </h1>

        </div>

        <p className="home">Software Developer , a person or oraganization who develop Program / application.

        Code to Connect people with facebook  for Develops</p>

        <button type="button" className="button"> Contact Us </button> \*/}

        </>

    )

}

export default Home;

**Insert.jsx**

import { useState } from "react";

import axios from "axios";

const Insert=()=>{

    const [input,setInput] = useState({})

    const handleInput=(e)=>{

        let name = e.target.name;

        let value = e.target.value;

        setInput(values=>({...values, [name]:value}));

    }

    const handleSubmit=()=>{

        let url="http://localhost:3000/students";

        axios.post(url,input).then(()=>{

            alert("Data succesfully Save!!!");

        })

    }

    return(

        <>

        <h1>Insert Employee Records</h1>

        Enter Employee : <input name="Employee" type="text" onChange={handleInput}></input>

        <br/>

        Enter Name : <input name="name"type="text"  onChange={handleInput}></input>

        <br/>

        Enter City : <input name="city" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Designation : <input name="designation" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Salary : <input name="Salary" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Color : <input name="color" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Id: <input name="id" type="text"  onChange={handleInput}></input>

        <br/>

        <button onClick={handleSubmit}>Submit</button>

        </>

    )

}

export default Insert;

**Display.jsx**

const Display=()=>{

    return(

        <>

        <h1>This is Display</h1>

        </>

    )

}

export default Display;

**In Form Display data And Update data**

import {BrowserRouter,Route,Routes} from “react-router-dom”;

import Layout from “./Layout”

import Home from “./Home”

import Insert from “./Insert”

import Display from “./Display”

import Update from “./Update”

const App=()=>{

return(

<>

<BrowserRouter>

<Routes>

<Route path=”/” element={<Layout /> }>

<Route index element={<Home/>}></Route>

<Route path=”home” element={<Home/>}></Route>

<Route path=”insert” element={<Insert/>}></Route>

<Route path=”display” element={<Display/>}></Route>

<Route path=”update” element={<Update/>}></Route>

</Route>

</Routes>

</BrowserRouter>

</>

)

}

Export default App;

Layout.jsx

Import {Link,Outlet} from “react-router-dom”;

const Layout=()=>{  
 return(  
<>

<Link to=”home”>Home</Link>

<Link to=”insert”>Insert</Link>

<Link to=”display”>Display</Link>

<Link to=”update”>Update</Link>

<hr color=”red” border=”2px”><hr/>

<Outlet />

<hr color=”red” border=”2px”><hr/>

</>

)

}

Export default Layout;

Home.jsx

const Home=()=>{

return(

<>This Is Home</>)

}

export default Home;

Insert.jsx

Import {useEffect,useState} from “react”;

Import axios from “axios”;

Const Insert=()=>{

Const [input,setinput]=useState({});

Const handleinput=(e)=>{

Let name = e.target.name;

Let value = e.target.value;

Setinput(values=>({…values,[name]:value}));

}

Const handleSubmit=()=>{

Let url=”LinKofDatabase”;

Axios.post(url,input).then(()=>{

Alert(“Data Succesfully Inserted”);

})

}

Return(

<>

<h1>This Is Insert Input Part </h1>

<br/>

Enter Employee: <input name=”Employee” type=”text” onChange={handleinput}/>

<br/>

Enter Name: <input name=”name” type=”text” onChange={handleinput}/>

<br/>

Enter city: <input name=”city” type=”text” onChange={handleinput}/>

<br/>

Enter Designation: <input name=”designation” type=”text” onChange={handleinput}/>

<br/>

Enter Salary: <input name=”Salary” type=”text” onChange={handleinput}/>

<br/>

Enter Color: <input name=”color” type=”text” onChange={handleinput}/>

<br/>

Enter Id : <input name=”Id” type=”text” onChange={handleinput}/>

<br/>

<button onClick={handleSubmit}>Submit</button>

</>

)

}

Export default Insert;

App.jsx

import { BrowserRouter, Route, Routes } from "react-router-dom";

import Layout  from "./Layout";

import Home from "./Home";

import Insert from "./Insert";

import Display from "./Display";

import Update from "./Update";

const App=()=>{

   return(

    <>

    <BrowserRouter>

    <Routes>

        <Route path="/" element={<Layout/>}>

        <Route index element={<Home/>}></Route>

        <Route path="home" element={<Home/>}></Route>

        <Route path="ins" element={<Insert/>}></Route>

        <Route path="display" element={<Display/>}></Route>

        <Route path="update" element={<Update/>}></Route>

        </Route>

    </Routes>

    </BrowserRouter>

    </>

   )

}

export default App;

Layout.jsx

import { Link ,Outlet } from "react-router-dom";

const Layout=()=>{

   return(

    <>

   <Link to="home">Home</Link>

   <Link to="ins"  >Insert</Link>

   <Link to="display">Display</Link>

   <Link to="update">Update</Link>

   <hr color="black" border="2px"></hr>

<Outlet />

   <hr color="black" border="2px"></hr>

    </>

   )

}

export default Layout;

Home.jsx

const Home=()=>{

    return(

        <>

        <h1 className="home">MY NAME IS AMAN KUMAR PATEL</h1>

        <div className="cr"><h1>I Am A Creative </h1>

        <h1>Full Stack Developer </h1>

        <h1>From Bhopal </h1>

        </div>

        <p className="home">Software Developer , a person or oraganization who develop Program / application.

        Code to Connect people with facebook  for Develops</p>

        <button type="button" className="button"> Contact Us </button>

        </>

    )

}

export default Home;

Insert.jsx

import { useState } from "react";

import axios from "axios";

const Insert=()=>{

    const [input,setInput] = useState({})

    const handleInput=(e)=>{

        let name = e.target.name;

        let value = e.target.value;

        setInput(values=>({...values, [name]:value}));

    }

    const handleSubmit=()=>{

        let url="http://localhost:3000/students";

        axios.post(url,input).then(()=>{

            alert("Data succesfully Save!!!");

        })

    }

    return(

        <>

        <h1>Insert Employee Records</h1>

        Enter Employee : <input name="Employee" type="text" onChange={handleInput}></input>

        <br/>

        Enter Name : <input name="name"type="text"  onChange={handleInput}></input>

        <br/>

        Enter City : <input name="city" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Designation : <input name="designation" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Salary : <input name="Salary" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Color : <input name="color" type="text"  onChange={handleInput}></input>

        <br/>

        Enter Id: <input name="id" type="text"  onChange={handleInput}></input>

        <br/>

        <button onClick={handleSubmit}>Submit</button>

        </>

    )

}

export default Insert;

Display.jsx

import { useState,useEffect } from "react";

import axios from "axios";

const Display=()=>{

    const [mydata, setMydata]=useState([]);

    const loadData = () => {

        let url="http://localhost:3000/students";

    axios.get(url).then((response) => {

        setMydata(response.data);

        // console.log(response);

      })

      // .catch(error => {

      //   console.error("Error fetching data:", error);

      // });

  }

  useEffect(() => {

    loadData();

  }, []);

  const ans=mydata.map((key)=>{

    return(

        <>

    <tr>

        <td>{key.Employee}</td>

        <td>{key.name}</td>

        <td>{key.city}</td>

        <td>{key.designation}</td>

        <td>{key.Salary}</td>

        <td>{key.color}</td>

        <td>{key.id}</td>

    </tr>

    </>

    )

  })

    return(

        <>

        <table align="center" border="2" >

            <tr>

                <th>Roll No</th>

                <th>Name</th>

                <th>City</th>

                <th>Designation</th>

                <th>Salary</th>

                <th>Color</th>

                <th>Id</th>

            </tr>

            {ans}

        </table>

        </>

    )

}

export default Display;

Update.jsx

import { useState,useEffect } from "react";

import axios from "axios"

import edit from "./img/write.jpg"

import del from "./img/delete.jpeg"

const Updata=()=>{

    const [mydata,setmydata] = useState([]);

    const loaddata=()=>{

        let url = "http://localhost:3000/students";

       axios.get(url).then((res)=>{

        setmydata(res.data);

       })

    }

    useEffect(()=>{

       loaddata();

    },[]);

    const ans = mydata.map((e)=>{

        return(

            <>

            <tr>

                <td>{e.Employee}</td>

                <td>{e.name}</td>

                <td>{e.city}</td>

                <td>{e.designation}</td>

                <td>{e.Salary}</td>

                <td>{e.color}</td>

                <td>{e.id}</td>

                <td><img src={edit} width="30"></img></td>

                <td><img src={del} width="30"></img></td>

            </tr>

            </>

        )

    })

    return(

        <>

        <h1>This is in we can Update Data </h1>

        <table border="2">

            <tr>

                <th>Employee</th>

                <th>name</th>

                <th>city</th>

                <th>Designation</th>

                <th>Salary</th>

                <th>Color</th>

                <th>Id</th>

                <th>Edit</th>

                <th>Delete</th>

            </tr>

            {ans}

        </table>

        </>

    )

}

export default Updata;

Using Hook we Are Insert ,Display , Delete ,Edit ,Search The Data

App.jsx

import { BrowserRouter,Route,Routes } from "react-router-dom";

import Layout from "./Layout"

import Insert from "./Insert"

import Home from "./Home";

import Update from "./Update"

import Display from "./Display"

import RecEdit from "./RecEdit"

import Search from "./Search";

const App=()=>{

     return(

        <>

        <BrowserRouter>

        <Routes>

            <Route path="/" element={<Layout/>}>

                <Route index element={<Home/>}></Route>

                <Route path="home" element={<Home/>}></Route>

                <Route path="insert" element={<Insert/>}></Route>

                <Route path="update" element={<Update/>}></Route>

                <Route path="display" element={<Display/>}></Route>

                <Route path="myedit/:id" element={<RecEdit/>}></Route>

                <Route path="search" element={<Search/>}></Route>

            </Route>

        </Routes>

        </BrowserRouter>

        </>

     )

}

export default App;

Layout.jsx

import {Link ,Outlet} from "react-router-dom"

const Layout=()=>{

       return(

         <>

         <div >

         <Link to="home">Home</Link>

         <Link to="insert">| |Insert</Link>

         <Link to="display">| |Display</Link>

         <Link to="update">| |Update</Link>

         <Link to="search">| |Search</Link>

         </div>

         <hr border="2px" color="red"></hr>

         <Outlet  />

         <hr border="2px" color="red"></hr>

         </>

       )

}

export default Layout;

Home.jsx

Nothing to it only one H1

Insert.jsx

import { useState ,useEffect} from "react";

import axios from "axios"

const Insert=()=>{

    const [input,setinput] = useState({});

    const handleinput=(e)=>{

        let name = e.target.name;

        let value = e.target.value;

        setinput(values=>({...values,[name]:value}));

    }

    const handleSubmit=()=>{

       let url = "http://localhost:3000/students";

       axios.post(url,input).then(()=>{

         alert("Data Succesfully Inserted");

       })

    }

    return(

      <>

      <h1>This is Insert Part</h1>

       Enter Your Id:  <input type="text" name="id" onChange={handleinput}></input>

       <br></br>

       EnterRoll No:  <input type="text" name="rollno" onChange={handleinput}></input>

       <br></br>

       Enter y name:  <input type="text" name="name" onChange={handleinput}></input>

       <br></br>

       Enter yo City:  <input type="text" name="city" onChange={handleinput}></input>

       <br></br>

       <button onClick={handleSubmit}> Submit</button>

      </>

    )

}

export default Insert;

Display.jsx

import {useState,useEffect} from "react"

import axios from "axios";

const Display=()=>{

    const [mydata ,setmydata] = useState([])

    const loaddata=()=>{

        let url = "http://localhost:3000/students";

        axios.get(url).then((res)=>{

            setmydata(res.data);

        })

    }

    useEffect(()=>{

        loaddata();

    },[])

    const ans = mydata.map((key)=>{

        return(

            <>

            <tr>

                <td>{key.id}</td>

                <td>{key.rollno}</td>

                <td>{key.name}</td>

                <td>{key.city}</td>

            </tr>

            </>

        )

    })

      return(

        <>

         <table border="2">

            <tr>

                <th>Id</th>

                <th>RollNo</th>

                <th>Name</th>

                <th>City</th>

            </tr>

            {ans}

         </table>

        </>

      )

}

export default Display;

Update.jsx

import { useState,useEffect } from "react";

import axios from "axios";

import edit from "./img/write.jpg";

import del from "./img/delete.jpeg";

import { useNavigate } from "react-router-dom";

const Update=()=>{

    const [mydata,setmydata] = useState([])

     const navigate = useNavigate();

    const loaddata=()=>{

        let url = "http://localhost:3000/students";

        axios.get(url).then((res)=>{

            setmydata(res.data);

        })

    }

    useEffect(()=>{

       loaddata();

    },[]);

   const delrec=(id)=>{

      let url = `http://localhost:3000/students/${id}`;

      axios.delete(url).then((res)=>{

        alert("Data Succesfully Deleted");

        loaddata();

      })

   }

   const updaterec=(id)=>{

      navigate("/myedit/"+id)

   }

    const ans = mydata.map((key)=>{

        return(

            <>

            <tr>

                <td>{key.id}</td>

                <td>{key.rollno}</td>

                <td>{key.name}</td>

                <td>{key.city}</td>

                <td>

                    <a href="#" onClick={()=>{updaterec(key.id)}}>

                    <img src={edit} width="30" ></img></a>

                </td>

                <td>

                    <a href="#" onClick={()=>{delrec(key.id)}}>

                    <img src={del} width="30" ></img></a>

                </td>

           </tr>

            </>

        )

    })

    return(

      <>

      <table border="2">

        <tr>

            <th>Id</th>

            <th>Roll No</th>

            <th>Name</th>

            <th>City</th>

            <th>Edit</th>

            <th>Delete</th>

        </tr>

        {ans}

      </table>

      </>

    )

}

export default Update;

RecEdit.jsx

import { useState,useEffect } from "react";

import { useParams } from "react-router-dom";

import axios from "axios";

const RecEdit=()=>{

      const {id} = useParams();

      const [mydata ,setmydata]= useState({});

      const loaddata=()=>{

        let url = `http://localhost:3000/students/${id}`;

        axios.get(url).then((res)=>{

            setmydata(res.data);

        })

      }

      useEffect(()=>{

         loaddata();

      },[])

    const handleinput=(e)=>{

     let name =e.target.name;

     let value = e.target.value;

     setmydata(values=>({...values,[name]:value}));

    }

    const Saveup=()=>{

        let url = `http://localhost:3000/students/${id}`;

        axios.put(url,mydata).then((res)=>{

            alert("Data Succesfully Updated");

        })

    }

    return(

        <>

         <h1>THis is in Edit Box</h1>

          <br></br>

          Enter Id: <input type="text" name="id" onChange={handleinput}></input>

          <br></br>

          Enter Roll: <input type="text" name="rollno" onChange={handleinput}></input>

          <br></br>

          Enter Name: <input type="text" name="name" onChange={handleinput}></input>

          <br></br>

          Enter City: <input type="text" name="city" onChange={handleinput}></input>

          <br></br>

          <button onClick={Saveup}>Update Now!</button>

        </>

    )

}

export default RecEdit;

Search.jsx

import { useState } from "react";

import axios from "axios"

const Search=()=>{

    const [rollno, setRollno] = useState("");

    const [mydata,setmydata] = useState([]);

    const handleSubmit=()=>{

        let url= `http://localhost:3000/students/?rollno=${rollno}`;

        axios.get(url).then((res)=>{

           setmydata(res.data);

        })

    }

    const answer = mydata.map((key)=>{

        return(

            <>

            <h1>Your Id is {key.id}</h1>

            <h2>Your Id is {key.rollno}</h2>

            <h1>Your Id is {key.name}</h1>

            <h1>Your Id is {key.city}</h1>

            </>

        )

    })

   return(

    <>

    <h1>this is Search Bar You can Search Data </h1>

    <br>

    </br>

    <input type="text" onChange={(e)=>{setRollno(e.target.value)}}></input>

    <button onClick={handleSubmit}>Search</button>

     <hr border="2" color="black"></hr>

    {answer}

    </>

   )

}

export default Search;

First.json

{

  "students": [

    {

      "id": "1",

      "rollno": "209",

      "name": "Rahul patel",

      "city": "rewa"

    },

    {

      "id": "2",

      "rollno": "2010",

      "name": "dkl",

      "city": "efm"

    },

    {

      "id": "3",

      "rollno": 203,

      "name": "aman",

      "city": "bhopal"

    },

    {

      "id": "4",

      "rollno": 204,

      "name": "aman",

      "city": "bhopal"

    },

    {

      "id": "5",

      "rollno": "205",

      "name": "Gaurav",

      "city": "Indore"

    },

    {

      "id": "6",

      "rollno": "206",

      "name": "qwerty",

      "city": "qwe"

    },]}

Props Dealing

// App.jsx

*// Prop dealing*

**import** { useState } **from** **"react";**

**import** Comp1 **from** **"./Comp1"**

const App**=()**=>{

    const [name **,**setname] **=**useState(**"Aman Patel"**)**;**

**return**(

        <>

       <h1> welcome to my app **{**name**}**</h1>

        <Comp1 user**={**name**}**></Comp1>

        </>

    )

}

**export** **default** App**;**

//Comp1.jsx

**import** Comp2 **from** **"./Comp2"**

const Comp1**=(**{user}**)**=>{

**return**(

        <>

        <h1>This is Componemt 1</h1>

        <Comp2 user**={**user**}**></Comp2>

        </>

    )

}

**export** **default** Comp1**;**

**// Comp2.jsx**

**import** Comp3 **from** **"./Comp3"**

const Comp2**=(**{user}**)**=>{

**return**(

        <>

            <h1>THis is Component 2</h1>

        <Comp3 user**={**user**}**></Comp3>

        </>

    )

}

**export** **default** Comp2**;**

**//**// Comp3.jsx

**import** Comp4 **from** **"./Comp4"**

const Comp3**=(**{user}**)**=>{

**return**(

        <>

       <h1> this is a Component 3</h1>

        <Comp4 user**={**user**}**></Comp4>

        </>

    )

}

**export** **default** Comp3**;**

**// Comp4.jsx**

**import** Comp5 **from** **"./Comp5"**

const Comp4**=(**{user}**)**=>{

**return**(

        <>

       <h1> this is a Component 4</h1>

        <Comp5 user**={**user**}**></Comp5>

        </>

    )

}

**export** **default** Comp4**;**

//Comp5.jsx

const Comp5**=(**{user}**)**=>{

**return**(

        <>

        <h1>this is a Component 5 : **{**user**}**</h1>

        </>

    )

}

**export** **default** Comp5**;**

User Name Authentication

**import** AuthApp **from** **"./AuthApp";**

**import** UnAuthApp **from** **"./UnAuthApp";**

**import** { useContext } **from** **"react";**

**import** { userContext } **from** **"./loginContext";**

*// import Cybrom from "./Cybrom";*

const App**=()**=>{

  const { user } **=** useContext(userContext)**;**

**return**(

    <>

    <h1>Welcome TO User Login: </h1>

**{**user.auth **?** <AuthApp /> **:** <UnAuthApp/>**}**

    </>

  )

}

**export** **default** App**;**

**import** { useContext } **from** **"react";**

**import** { userContext } **from** **"./loginContext";**

const AuthApp**=()**=>{

    const {user **,**logout} **=** useContext(userContext)**;**

**return**(

        <>

        <h3>Welcome : **{**user.name**}**  <a href**="#"** onClick**={**logout**}** > LogOut!!!</a></h3>

        </>

    )

}

**export** **default** AuthApp**;**

**import** { createContext**,**useState } **from** **"react";**

const userContext **=** createContext()**;**

const UserLogin**=(**{children}**)**=>{

    const [user **,**setuser] **=** useState({name**:""** **,**auth**:false**})**;**

     const login **=(**nm**)**=>{

        setuser({name**:**nm**,** auth**:true**})

     }

     const logout**=()**=>{

        setuser({name**:""** **,**auth**:false**})

     }

**return**(

    <>

    <userContext.Provider value**={**{user **,**login**,** logout}**}** >

**{**children**}**

    </userContext.Provider>

    </>

   )

**import** { useState**,** useContext } **from** **"react";**

**import** { userContext } **from** **"./loginContext";**

const UnAuthApp**=()**=>{

    const [nm**,** setnm] **=** useState(**""**)**;**

    const {login} **=** useContext(userContext)**;**

**return**(

        <>

        Enter  User Id : <input type**="text"** value**={**nm**}** onChange**={(**e**)**=>{setnm(e.target.value)}**}**></input>

        <button onClick**={()**=>{login(nm)}**}**>Login Now!</button>

        </>

    )

}

**export** **default** UnAuthApp**;**

}

**export** **default** UserLogin**;**

**export** {userContext}

Login Registration

import {BrowserRouter,Routes, Route} from "react-router-dom"

import Layout from "./Layout";

import Home from "./component/Home"

import Registration  from "./component/Registration";

import Login from "./component/Login";

const App=()=>{

  return(

    <>

    <BrowserRouter>

      <Routes>

        <Route path="/" element={<Layout />}>

           <Route index element={<Home />}></Route>

           <Route path="reg" element={<Registration/>}></Route>

           <Route path="login" element={<Login/>}></Route>

        </Route>

      </Routes>

    </BrowserRouter>

    </>

  )

}

export  default App;

import {Link,Outlet} from "react-router-dom";

const Layout=()=>{

    return(

      <>

       <Link to="home">Home</Link>

       <Link to="reg">Registration</Link>

       <Link to="login">Login</Link>

       <hr size="4" color="blue"></hr>

       <Outlet />

       <hr size="4" color="blue"></hr>

      </>

    )

}

export default Layout;

const Home=()=>{

      return(

        <>

        <h1>Thisi isi Hoem</h1></>

      )

}

export default Home;

import axios from "axios";

import {useState} from "react"

const Login=()=>{

    const [userid ,setUserID] = useState("");

    const [upassword ,setPassword] = useState("");

    const loginCheck=()=>{

        let url=`http://localhost:3000/aman/?userid=${userid}`;

        axios.get(url).then((res)=>{

              if(res.data.length==0){

                alert("Invalid User ID");

              }

              else{

                if(res.data[0].pass != upassword){

                    alert("invalid Password");

                }

                else{

                    alert("Password right");

                }

                console.log(res.data[0].pass);

              }

        })

    }

    return(

        <>

        <h1>User Login</h1>

        Enter Id :<input type="text" name="userid" onChange={(e)=>{setUserID(e.target.value)}}></input>

        <br>

        </br>

        Enter Password : <input type="text" name="password" onChange={(e)=>{setPassword(e.target.value)}}></input>

        <br />

        <button onClick={loginCheck}> Login Here</button>

        </>

    )

}

export default Login;

import { useState } from "react";

import axios from "axios"

import  {useNavigate} from "react-router-dom"

const Registration=()=>{

      const [input,setInput] = useState({});

      const mynav = useNavigate();

      const handleInput=(e)=>{

        let name = e.target.value;

        let value = e.target.value;

        setInput(values=>({...values, [name]:value}))

      }

      const handleSubmit=()=>{

        let url = "http://localhost:3000/aman";

        axios.post(url,input).then((res)=>{

            alert("You are Succesfully Registerd!!");

            mynav("/Login");

        })

      }

   return(

       <>

       <h1>User Registration Form </h1>

       Enter Name :<input type="text" name="name" onChange={handleInput}></input>

       <br></br>

       Enter User ID :<input type="text" name="userid" onChange={handleInput}></input>

       <br></br>

       Enter password : <input type="text" name="pass" onChange={handleInput}></input>

       <br></br>

       <button onClick={handleSubmit}>Register Now</button>

       </>

   )

}

export default Registration;

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Login</title>

</head>

<body align=*"center"*>

<h1><u>Login Here</u></h1>

<form action=*"LoginServlet"* method=*"post"*>

<table>

<tr><td>User Name</td><td><input type=*"text"* name=*"name"*></td></tr>

<tr><td>Password</td><td><input type=*"text"* name=*"pass"*></td></tr>

<button type=*"submit"*>Submit</button>

</table>

</form>

</body>

</html>

/ using useref change the back ground color

import { useRef  } from "react";

const App=()=>{

    const myref = useRef();

    const valchange=()=>{

       myref.current.style.backgroundColor="red"

    }

       return(

        <>

        <h1>Welcome to my useRef Example </h1>

        <br></br>

         Enter City : <input  width={200} type="text" value="Jabalpur"></input>

          <div style={{height:"300px", width:"200px" ,border:"2px solid black"}}  ref={myref}></div>

        <button onClick={valchange}>Change City</button>

        </>

       )

}

export default App;

Creating Login page And Registration Page And DashBoard

App.jsx

import { BrowserRouter,Routes, Route } from "react-router-dom";

import Layout from "./Layout";

import Home from "./component/Home"

import Registration from "./component/Registration"

import Login from "./component/Login";

import DashBoard from "./DashBoard";

const App=()=>{

    return(

        <>

        <BrowserRouter>

        <Routes>

            <Route path="/" element={<Layout/>}>

            <Route index element={<Home/>}></Route>

            <Route path="home" element={<Home/>}></Route>

            <Route path="login" element={<Login/>}></Route>

            <Route path="registration" element={<Registration/>}></Route>

            <Route path="dashboard" element={<DashBoard/>}></Route>

            </Route>

        </Routes>

        </BrowserRouter>

        </>

    )

}

export default App;

./component/Home.js

const Home=()=>{

      return(

        <>

        <h1>Welcome To login Page</h1></>

      )

}

export default Home;

./component/Login.jsx

import axios from "axios";

import { useNavigate } from "react-router-dom";

import { useContext } from "react";

import { useState } from "react";

import { loginContext } from "../UserContext";

const Login=()=>{

    const [userid , setuserid] = useState("");

    const [upassword , setPassword] = useState("");

    const  {setDetail} = useContext(loginContext);

    const mynav = useNavigate();

    const handleSubmit=()=>{

      let url = `http://localhost:3000/student?userid=${userid}`;

      axios.get(url).then((res)=>{

         if(res.data.length==0){

            alert("invalid Userid ");

         }

         else{

           if(res.data[0].password != upassword)

            {

              alert("Please Enter Valid Password");

            }

            else{

              setDetail(res.data[0].name ,res.data[0].email);

              mynav("/dashboard");

            }

         }

      })

    }

  return(

    <>

    <h1>THis is in Login</h1>

    <br></br>

    Enter Email : <input type="text" name="userid" onChange={(e)=>{setuserid(e.target.value)}}></input>

    <br></br>

    Enter Password : <input type="text" name="password" onChange={(e)=>{setPassword(e.target.value)}}></input>

    <br></br>

    <button onClick={handleSubmit} >Submit</button>

    </>

  )

}

export default Login;

./component/Registration.jsx

import axios from "axios";

import { useNavigate } from "react-router-dom";

import { useState } from "react";

const Registration=()=>{

    const [input ,setinput] = useState({});

    const mynav = useNavigate();

    const handleinput=(e)=>{

       let name = e.target.name;

       let value = e.target.value;

       setinput(values=>({...values,[name]:value}))

    }

    const handleSubmit=()=>{

      let url="http://localhost:3000/student";

      axios.post(url,input).then((res)=>{

        alert("You are Succesfully Registerd");

        mynav("/login");

      })

    }

  return(

    <>

    <h1>Registration Form </h1>

    <br></br>

    Enter name : <input type="text" name="name" value={input.name} onChange={handleinput}></input>

    <br></br>

    Enter User id : <input type="text" name="userid" value={input.userid} onChange={handleinput}></input>

    <br></br>

    Enter email : <input type="text" name="email" value={input.email} onChange={handleinput}></input>

    <br></br>

    Enter password : <input type="text" name="password" value={input.password} onChange={handleinput}></input>

   <button onClick={handleSubmit}>Registerd</button>

    </>

  )

}

export default Registration;

Dashboard.jsx

import { useContext ,useEffect,useState} from "react";

import { loginContext } from "./UserContext";

import { useNavigate } from "react-router-dom";

const DashBoard=()=>{

      const {user,logout} = useContext(loginContext);

      const mynav = useNavigate();

      const CheckUser=()=>{

        if(user.auth==false){

            mynav("/login");

        }

      }

      useEffect(()=>{

        CheckUser();

      },[]);

      const UserLogout=()=>{

        logout();

        mynav("/login");

      }

      return(

        <>

          <h1>User DashBoard</h1>

          <h2>Welcome : {user.name} ||||

          Email : {user.userid}  <a href="#" onClick={UserLogout}>Logout</a></h2>

        </>

      )

}

export default DashBoard;

Layout.jsx

import {Link,Outlet} from "react-router-dom"

const Layout=()=>{

  return(

    <>

      <Link to="home">Home ||</Link>

      <Link to="login">Login||</Link>

      <Link to="registration">Registration</Link>

      <hr size="2" color="red" />

      <Outlet />

      <hr />

    </>

  )

}

export default Layout;

LoginContext.jsx

import { createContext,useState } from "react";

const userContext = createContext();

const UserLogin=({children})=>{

    const [user ,setuser] = useState({name:"" ,auth:false});

     const login =(nm)=>{

        setuser({name:nm, auth:true})

     }

     const logout=()=>{

        setuser({name:"" ,auth:false})

     }

   return(

    <>

    <userContext.Provider value={{user ,login, logout}} >

        {children}

    </userContext.Provider>

    </>

   )

}

export default UserLogin;

export {userContext}

========================================

import { createContext,useState } from "react";

const loginContext = createContext();

const UserContext=({children})=>{

const [user, setUser] =useState({name:"" ,userid:"", auth:false});

const setDetail=(username,useremail)=>{

    setUser({name:username, userid:useremail, auth:true})

}

const logout=()=>{

    setUser({name:"",email:"", auth:false})

}

     return(

        <>

        <loginContext.Provider  value={{user,setDetail,logout}}>

            {children}

        </loginContext.Provider>

        </>

     )

}

export default UserContext;

export {loginContext};

Record insert ,display ,update ,delete