**9. ReactJS-HOL**

App.js

|  |
| --- |
| import './App.css';  export const players = [      { name: 'Rohit Sharma', score: 90 },      { name: 'Virat Kohli', score: 70 },      { name: 'MS Dhoni', score: 80 },      { name: 'Hardik Pandya', score: 60 },      { name: 'KL Rahul', score: 36 },      { name: 'Ravindra Jadeja', score: 86 },      { name: 'Suryakumar Yadav', score: 76 },      { name: 'Shubmun Gill', score: 35 },      { name: 'Sheryas Iyer', score: 89 },      { name: 'Ishan Kisan', score: 83 },      { name: 'Ruturaj Gaikwad', score: 27 },      { name: 'Rishab Pant', score: 72 },      { name: 'Axar Patel', score: 75 },    ];    const playersUnder70 = []    const T20Players = ['First Player', 'Second Player', 'Third Player'];    const RanjiTrophyPlayers = ['Fourth Player', 'Fifth Player', 'Sixth Player'];    export const IndianPlayers = [...T20Players, ...RanjiTrophyPlayers];  function App() {      return (      <>        <h1>List Of Players</h1>        <ul>          {players.map((item) => (            <li key={item.name}>              Mr {item.name} <span>{item.score}</span>            </li>          ))}        </ul>      </>    )  }  function AppUnder70() {  return (    <>        <h1>List Of Players Under 70</h1>        <ul>          {players.map((item) => {            if(item.score < 70) {              playersUnder70.push(item);            }}          )}          {playersUnder70.map((item) => (            <li key={item.name}>              Mr {item.name} <span>{item.score}</span>            </li>          ))}        </ul>      </>  );  }  function OddFunction({ players }) {    const [first, , third, , fifth] = players;    return (      <div>        <h2>Odd Players</h2>        <ul>          <li>{first.name} {first.score}</li>          <li>{third.name} {third.score}</li>          <li>{fifth.name} {fifth.score}</li>        </ul>      </div>    );  }  function EvenFunction({ players }) {    const [, second, , fourth, sixth] = players;    return (      <div>        <h2>Even Players</h2>        <ul>          <li>{second.name} {second.score}</li>          <li>{fourth.name} {fourth.score}</li>          <li>{sixth.name} {sixth.score}</li>        </ul>      </div>    );  }  function DisplayIndianPlayers() {    return (      <div>        <h2>List of Indian Players Merged</h2>        <ul>          {IndianPlayers.map((player, idx) => (            <li key={idx}>{player}</li>          ))}        </ul>      </div>    );  }  export default App;  export { App, AppUnder70 };  export { OddFunction };  export { EvenFunction };  export { DisplayIndianPlayers }; |

Index.js

|  |
| --- |
| import React from 'react';  import ReactDOM from 'react-dom/client';  import './index.css';  import App, { AppUnder70, OddFunction,players,EvenFunction, DisplayIndianPlayers } from './App';  const root = ReactDOM.createRoot(document.getElementById('root'));  const showList = false;  if (showList) {    root.render(    <React.StrictMode>      <App />      <AppUnder70 />      </React.StrictMode>  );  }  else{root.render(    <React.StrictMode>      <OddFunction players = {players} />      <EvenFunction players = {players} />      <DisplayIndianPlayers />    </React.StrictMode>  );} |

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Flag is true

A list of players under 70

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Flag is False

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**10. ReactJS-HOL**

|  |
| --- |
| import './App.css';  const heading = "Office Space";  const offices = [    {      Name: "DBS",      Rent: 50000,      Address: "Chennai",      sr: "https://images.unsplash.com/photo-1506744038136-46273834b3fb?auto=format&fit=crop&w=400&q=80"    },    {      Name: "Google",      Rent: 65000,      Address: "Bangalore",      sr: "https://images.unsplash.com/photo-1464983953574-0892a716854b?auto=format&fit=crop&w=400&q=80"    },    {      Name: "Microsoft",      Rent: 55000,      Address: "Hyderabad",      sr: "https://images.unsplash.com/photo-1515378791036-0648a3ef77b2?auto=format&fit=crop&w=400&q=80"    }  ];  function getRentClass(rent) {    return rent <= 60000 ? "textRed" : "textGreen";  }  function App() {    return (      <div style={{ padding: "40px" }}>        <h1>{heading}, at Affordable Range</h1>        {offices.map((ItemName, idx) => (          <div key={idx} style={{ marginBottom: "40px" }}>            <img src={ItemName.sr} width="300px" height="200px" alt="Office Space" style={{ objectFit: "cover" }} />            <h2>Name: {ItemName.Name}</h2>            <h3 className={getRentClass(ItemName.Rent)}>Rent: Rs. {ItemName.Rent}</h3>            <h3>Address: {ItemName.Address}</h3>          </div>        ))}      </div>    );  }  export default App; |

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**11. ReactJS-HOL**

|  |
| --- |
| import './App.css';  import React, { useState } from 'react';    function App() {    const [count, setCount] = useState(0);    const [amount, setAmount] = useState('');      const handleAmountChange = (event) => {      const value = event.target.value;      if (!isNaN(value)) {        setAmount(value);      }    };    const increment = () => {      setCount(prev => prev + 1);      sayHello();    };    const decrement = () => {      setCount(prev => prev - 1);    };    const sayHello = () => {      alert('Hello Mate.');    };    const sayWelcome = () =>{      alert('Welcome');    }    const handlePress = (event) => {      alert('i was clicked');    }    const handleSubmit = () => {      const number = parseFloat(amount);      const  conversionRate = 80;      const convertedAmount = number \* conversionRate;      alert(`Converting to euro amount is : ${convertedAmount}`);    }    return (      <div>        <p>{count}</p>        <div><button onClick={increment}>Increment</button></div>        <div><button onClick={decrement}>Decrement</button></div>        <div><button onClick={sayWelcome}>Say Welcome</button></div>        <div><button onClick={handlePress}>Click Me</button></div>        <div>          <h1 style={{color : "green",fontSize: 50 }}>Curency Convertor</h1>          <label for="Amount">Amount: <input type="text" value={amount} onChange={handleAmountChange} style={{marginLeft:30} }></input></label>            <div><label>Curency</label>          <select name="Currency" id="currency" style={{boxSizing: "border-box", width: 200, height: 30,marginLeft:30}}>          <option value="euro">Euro</option>          <option value="inr">Inr</option>          </select></div>          <button onClick={handleSubmit}>Submit</button>        </div>        </div>    );  }  export default App; |

Increment button is pressed

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Decrement button is pressed

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Say welcome button is pressed

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Click me button is pressed

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Submit button is pressed

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**12. ReactJS-HOL**

|  |
| --- |
| import React from 'react';  import './App.css';  const GuestPage = ({onLogin}) =>{    return(    <div style={{textAlign: 'center', marginTop: '50px'}}>      <h1>Please Sign Up</h1>      <button onClick={onLogin} >Login</button>    </div>    )  }  const UserPage = ({onLogout}) =>{   return(    <div style={{textAlign: 'center', marginTop: '50px'}}>      <h1>Welcome Back</h1>      <button onClick={onLogout} >Logout</button>    </div>    )  }  function App() {    const [isLoggedIn, setIsLoggedIn] = React.useState(false);    const handleLogin = () => {      setIsLoggedIn(true);    };    const handleLogout = () => {      setIsLoggedIn(false);    };    return (      <div>        {isLoggedIn ? (          <UserPage onLogout={handleLogout} />        ) : (          <GuestPage onLogin={handleLogin} />        )}      </div>    );  }  export default App; |

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**13. ReactJS-HOL**

|  |
| --- |
| import React, { useState } from 'react';  import './App.css';  const courseData = [    { id: 'c1', name: 'Angular', date: '4/5/2021' },    { id: 'c2', name: 'React', date: '6/3/202021' },  ];  const bookData = [    { id: 'b1', bname: 'Master React', price: 670 },    { id: 'b2', bname: 'Deep Dive into Angular 11', price: 800 },    { id: 'b3', bname: 'Mongo Essentials', price: 450 },  ];  const blogData = [    { id: 'bl1', title: 'React Learning', author: 'Stephen Biz', content: 'Welcome to learning React!' },    { id: 'bl2', title: 'Installation', author: 'Schewzdenier', content: 'You can install React from npm.' },  ];  const CourseDetails = ({ courses }) => {    return (      <div >        <h2 >Course Details</h2>        {courses.length > 0 && (          <ul>            {courses.map((course) => (              <li key={course.id}>                <h3>{course.name}</h3>                <p>{course.date}</p>              </li>            ))}          </ul>        )}      </div>    );  };  const BookDetails = ({ books }) => {    return (      <div>        <h2>Book Details</h2>            <ul>            {books.map((book) => (              <li key={book.id}>                <h3>{book.bname}</h3>                <p>Price: {book.price}</p>              </li>            ))}          </ul>        </div>    );  };  const BlogDetails = ({ blogs }) => {    const renderBlogPosts = () => {      switch (blogs.length) {        case 0:          return <p >No blog posts found.</p>;        default:          return (            <ul>              {blogs.map((blog) => (                <li key={blog.id} className="mb-4">                  <h3 >{blog.title}</h3>                  <p>by {blog.author}</p>                  <p>{blog.content}</p>                </li>              ))}            </ul>          );      }    };     return (      <div>        <h2>Blog Details</h2>        {renderBlogPosts()}      </div>    );  }  function App() {    const [activeComponent, setActiveComponent] = useState('books'); // Default to books    const renderComponent = () => {      if (activeComponent === 'books') {        return <BookDetails books={bookData} />;      } else if (activeComponent === 'blogs') {        return <BlogDetails blogs={blogData} />;      } else if (activeComponent === 'courses') {        return <CourseDetails courses={courseData} />;      }      return <div>Select a component to display.</div>;    };    return (      <div>        <h1>Blogger App</h1>        <div>          <button            onClick={() => setActiveComponent('courses')}            style={{ backgroundColor: activeComponent === 'courses' ? '#3b82f6' : '#e5e7eb', color: activeComponent === 'courses' ? 'white' : '#1f2937' }}          >            Show Courses          </button>          <button            onClick={() => setActiveComponent('books')}            style={{ backgroundColor: activeComponent === 'books' ? '#3b82f6' : '#e5e7eb', color: activeComponent === 'books' ? 'white' : '#1f2937' }}          >            Show Books          </button>          <button            onClick={() => setActiveComponent('blogs')}            style={{ backgroundColor: activeComponent === 'blogs' ? '#3b82f6' : '#e5e7eb', color: activeComponent === 'blogs' ? 'white' : '#1f2937' }}          >            Show Blogs          </button>        </div>        <div>          {renderComponent()}        </div>      </div>    );  }  export default App; |
|  |

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