**9. ReactJS-HOL**

1. \*\*ListOfPlayers\*\*

- Uses ES6 `map()` and `filter()` methods.

- Demonstrates `let`, `const`, and arrow functions.

const ListOfPlayers = () => {  
 const players = [  
 { name: "Virat", score: 85 },  
 { name: "Rohit", score: 65 },  
 { name: "Dhoni", score: 90 },  
 { name: "Pant", score: 55 },  
 { name: "KL Rahul", score: 74 },  
 { name: "Hardik", score: 50 },  
 { name: "Shami", score: 88 },  
 { name: "Jadeja", score: 45 },  
 { name: "Bumrah", score: 95 },  
 { name: "Surya", score: 60 },  
 { name: "Gill", score: 70 }  
 ];  
  
 const below70 = players.filter(p => p.score < 70);  
  
 return (  
 <>  
 <h2>All Players</h2>  
 <ul>{players.map(p => <li>{p.name}: {p.score}</li>)}</ul>  
 <h3>Players with score below 70</h3>  
 <ul>{below70.map(p => <li>{p.name}</li>)}</ul>  
 </>  
 );  
};

2. \*\*IndianPlayers\*\*

- Demonstrates destructuring and merging arrays with the spread operator.

const IndianPlayers = () => {  
 const oddPlayers = ["Kohli", "Dhoni", "Pant"];  
 const evenPlayers = ["Rohit", "KL Rahul", "Hardik"];  
  
 const [player1, player2, player3] = oddPlayers;  
 const [even1, even2, even3] = evenPlayers;  
  
 const T20players = ["Bumrah", "Surya"];  
 const RanjiTrophy = ["Iyer", "Tripathi"];  
 const allPlayers = [...T20players, ...RanjiTrophy];  
  
 return (  
 <>  
 <h2>Odd Players: {player1}, {player2}, {player3}</h2>  
 <h2>Even Players: {even1}, {even2}, {even3}</h2>  
 <h3>Merged Team: {allPlayers.join(", ")}</h3>  
 </>  
 );  
};

3. \*\*App Component\*\*

const App = () => {  
 const flag = true;  
 return <div>{flag ? <ListOfPlayers /> : <IndianPlayers />}</div>;  
};

**10. ReactJS-HOL**

1. \*\*OfficeList Component\*\*

const OfficeList = () => {  
 const offices = [  
 { name: "WeWork", rent: 55000, address: "Bangalore" },  
 { name: "91Springboard", rent: 62000, address: "Mumbai" },  
 { name: "Regus", rent: 75000, address: "Delhi" }  
 ];  
  
 const heading = <h1>Office Space Rentals</h1>;  
  
 return (  
 <>  
 {heading}  
 <img src="office.jpg" alt="Office" width="300" />  
 {offices.map((office, idx) => (  
 <div key={idx}>  
 <h3>{office.name}</h3>  
 <p style={{ color: office.rent < 60000 ? 'red' : 'green' }}>  
 Rent: ₹{office.rent}  
 </p>  
 <p>Address: {office.address}</p>  
 </div>  
 ))}  
 </>  
 );  
};

**11. ReactJS-HOL**

1. \*\*EventExample Class Component\*\*

class EventExample extends React.Component {  
 constructor() {  
 super();  
 this.state = { count: 0 };  
 }  
  
 increment = () => {  
 this.setState({ count: this.state.count + 1 });  
 this.sayHello();  
 };  
  
 decrement = () => {  
 this.setState({ count: this.state.count - 1 });  
 };  
  
 sayHello = () => {  
 console.log("Hello! Welcome to Event Example App.");  
 };  
  
 sayWelcome = (msg) => {  
 alert(`Welcome Message: ${msg}`);  
 };  
  
 handleClick = (e) => {  
 alert("I was clicked");  
 };  
  
 render() {  
 return (  
 <>  
 <h2>Counter: {this.state.count}</h2>  
 <button onClick={this.increment}>Increment</button>  
 <button onClick={this.decrement}>Decrement</button>  
 <button onClick={() => this.sayWelcome("Welcome!")}>Say Welcome</button>  
 <button onClick={this.handleClick}>OnPress</button>  
 <CurrencyConvertor />  
 </>  
 );  
 }  
}

2. \*\*CurrencyConvertor Component\*\*

const CurrencyConvertor = () => {  
 const [rupee, setRupee] = React.useState(0);  
 const [euro, setEuro] = React.useState(0);  
  
 const handleSubmit = () => {  
 const result = (rupee / 90).toFixed(2);  
 setEuro(result);  
 };  
  
 return (  
 <>  
 <h3>Currency Convertor</h3>  
 <input  
 type="number"  
 placeholder="Enter INR"  
 onChange={(e) => setRupee(e.target.value)}  
 />  
 <button onClick={handleSubmit}>Convert</button>  
 <p>Euro: €{euro}</p>  
 </>  
 );  
};

**12. ReactJS-HOL**

1. \*\*GuestPage and UserPage Components\*\*

const GuestPage = () => (  
 <>  
 <h2>Welcome Guest!</h2>  
 <p>Flight details are available for browsing.</p>  
 </>  
);  
  
const UserPage = () => (  
 <>  
 <h2>Welcome User!</h2>  
 <p>You can now book your tickets.</p>  
 </>  
);

2. \*\*App Component\*\*

const App = () => {  
 const [isLoggedIn, setIsLoggedIn] = React.useState(false);  
  
 return (  
 <>  
 <button onClick={() => setIsLoggedIn(true)}>Login</button>  
 <button onClick={() => setIsLoggedIn(false)}>Logout</button>  
 {isLoggedIn ? <UserPage /> : <GuestPage />}  
 </>  
 );  
};

**13. ReactJS-HOL**

1. \*\*Components\*\*

const BookDetails = () => <p>Book: "React for Beginners", Author: John Doe</p>;  
const BlogDetails = () => <p>Blog: "Learning JSX", By: Jane Doe</p>;  
const CourseDetails = () => <p>Course: React 101, Duration: 4 weeks</p>;

2. \*\*App Component\*\*

const BloggerApp = () => {  
 const [active, setActive] = React.useState("book");  
  
 return (  
 <>  
 <button onClick={() => setActive("book")}>Book</button>  
 <button onClick={() => setActive("blog")}>Blog</button>  
 <button onClick={() => setActive("course")}>Course</button>  
  
 {active === "book" && <BookDetails />}  
 {active === "blog" && <BlogDetails />}  
 {active === "course" && <CourseDetails />}  
 </>  
 );  
};