**9. ReactJS-HOL**

App.js

import React, { useState } from "react";

import ListofPlayers from "./ListofPlayers";

import Scorebelow70 from "./Scorebelow70";

import { OddPlayers } from "./OddPlayers";

import { EvenPlayers } from "./EvenPlayers";

import ListofIndianPlayers from "./ListofIndianPlayers";

function App() {

const [flag, setFlag] = useState(true);

const players = [

{ name: "Jack", score: 50 },

{ name: "Michael", score: 70 },

{ name: "John", score: 40 },

{ name: "Ann", score: 61 },

{ name: "Elisabeth", score: 61 },

{ name: "Sachin", score: 95 },

{ name: "Dhoni", score: 100 },

{ name: "Virat", score: 84 },

{ name: "Jadeja", score: 64 },

{ name: "Raina", score: 75 },

{ name: "Rohit", score: 80 },

];

const T20Players = ["First Player", "Second Player", "Third Player"];

const RanjiTrophyPlayers = ["Fourth Player", "Fifth Player", "Sixth Player"];

const IndianPlayers = [...T20Players, ...RanjiTrophyPlayers];

const IndianTeam = [

"Sachin1",

"Dhoni2",

"Virat3",

"Rohit4",

"Yuvaraj5",

"Raina6",

];

return (

<div style={{ padding: "20px", fontFamily: "Arial" }}>

<button onClick={() => setFlag(!flag)}>

{flag ? "Show Indian Team View" : "Show Scoreboard View"}

</button>

<hr />

{flag ? (

<div>

<h1>List of Players</h1>

<ListofPlayers players={players} />

<hr />

<h1>List of Players having Scores Less than 70</h1>

<Scorebelow70 players={players} />

</div>

) : (

<div>

<h1>Indian Team</h1>

<h2>Odd Players</h2>

<OddPlayers IndianTeam={IndianTeam} />

<hr />

<h2>Even Players</h2>

<EvenPlayers IndianTeam={IndianTeam} />

<hr />

<h2>Merged List of Indian Players</h2>

<ListofIndianPlayers IndianPlayers={IndianPlayers} />

</div>

)}

</div>

);

}

export default App;

ListofPlayers.js

import React from "react";

function ListofPlayers({ players }) {

return (

<div>

{players.map((item, index) => (

<li key={index}>

Mr. {item.name}

<span> {item.score}</span>

</li>

))}

</div>

);

}

export default ListofPlayers;

Scorebelow70.js

import React from "react";

function Scorebelow70({ players }) {

const players70 = [];

players.map((item) => {

if (item.score <= 70) {

players70.push(item);

}

});

return (

<div>

{players70.map((item, index) => (

<li key={index}>

Mr. {item.name} <span> {item.score}</span>

</li>

))}

</div>

);

}

export default Scorebelow70;

OddPlayers.js

import React from "react";

export function OddPlayers({ IndianTeam }) {

const [first, , third, , fifth] = IndianTeam;

return (

<div>

<li>First : {first} </li>

<li>Third : {third} </li>

<li>Fifth : {fifth}</li>

</div>

);

}

EvenPlayers.js

import React from "react";

export function EvenPlayers({ IndianTeam }) {

const [, second, , fourth, , sixth] = IndianTeam;

return (

<div>

<li>Second : {second} </li>

<li>Fourth : {fourth} </li>

<li>Sixth : {sixth}</li>

</div>

);

}

ListofIndianPlayers.js

import React from "react";

function ListofIndianPlayers({ IndianPlayers }) {

return (

<div>

{IndianPlayers.map((player, index) => (

<li key={index}>Mr. {player}</li>

))}

</div>

);

}

export default ListofIndianPlayers;





