9. ReactJS-HOL

Create a React Application named "cricketapp" with the following components:

1.   ListofPlayers

- Declare an array with 11 players and store details of their names and scores using the map feature of ES6
- Filter the players with scores below 70 using arrow functions of ES6.

2.   IndianPlayers

- Display the Odd Team Player and Even Team players using the Destructuring features of ES
- Declare two arrays T20players and RanjiTrophy players and merge the two arrays and display them using the Merge feature of ES6

Display these two components in the same home page using a simple if else in the flag variable.

Code:

App.js

```
import React from "react";
import ListOfPlayers from "./components/ListofPlayers";
import IndianPlayers from "./components/IndianPlayers";

export default function App() {
  const flag = false;

  return (
    <div>
      {flag ? <ListOfPlayers /> : <IndianPlayers />}
    </div>
  );
}
```

ListofPlayers.jsx

```jsx
import React from "react";

export default function ListOfPlayers() {
  const players = [
    { name: "Mr. Jack", score: 50 },
    { name: "Mr. Michael", score: 70 },
    { name: "Mr. John", score: 40 },
    { name: "Mr. Ann", score: 61 },
    { name: "Mr. Elisabeth", score: 61 },
    { name: "Mr. Sachin", score: 95 },
    { name: "Mr. Dhoni", score: 100 },
    { name: "Mr. Virat", score: 84 },
    { name: "Mr. Jadeja", score: 64 },
    { name: "Mr. Raina", score: 75 },
    { name: "Mr. Rohit", score: 80 },
  ];

  const players70 = [];
  players.map((item) => {
    if (item.score <= 70) {
      players70.push(item);
    }
    return null;
  });

  return (
    <div>
      <h2>List of Players</h2>
      <ul>
        {players.map((item) => (
          <li>
            {item.name} <span>{item.score}</span>
          </li>
        ))}
      </ul>

      <h2>List of Players having Scores Less than 70</h2>
      <ul>
        {players70.map((item) => (
          <li>
            {item.name} <span>{item.score}</span>
          </li>
        ))}
      </ul>
    </div>
  );
}
```
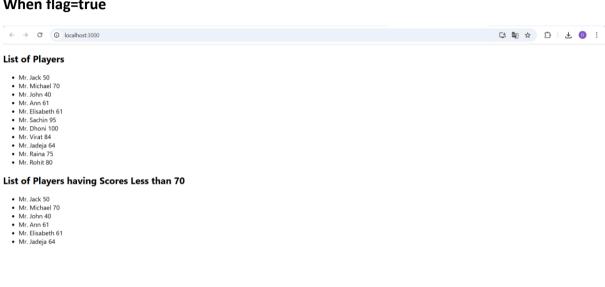
IndianPlayers.jsx

```jsx
import React from "react";

function OddPlayers({ players: [first, , third, , fifth] }) {
  return (
    <div>
      <h2>Odd Players</h2>
      <ul>
        <li>First : {first}</li>
        <li>Third : {third}</li>
        <li>Fifth : {fifth}</li>
      </ul>
    </div>
  );
}

function EvenPlayers({ players: [, second, , fourth, , sixth] }) {
  return (
    <div>
      <h2>Even Players</h2>
      <ul>
        <li>Second : {second}</li>
        <li>Fourth : {fourth}</li>
        <li>Sixth : {sixth}</li>
      </ul>
    </div>
  );
}

export default function IndianPlayers() {
  const team = ["Sachin1", "Dhoni2", "Virat3", "Rohit4", "Yuvaraj5", "Raina6"];

  const T20Players = ["First Player", "Second Player", "Third Player"];
  const RanjiTrophyPlayers = ["Fourth Player", "Fifth Player", "Sixth Player"];
  const IndianPlayers = [...T20Players, ...RanjiTrophyPlayers];

  return (
    <div>
      <OddPlayers players={team} />
      <EvenPlayers players={team} />

      <h2>List of Indian Players Merged:</h2>
      <ul>
        {IndianPlayers.map((player, index) => (
          <li key={index}>Mr. {player}</li>
        ))}
```
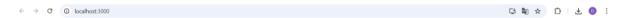
```
      </ul>
    </div>
  );
}
```

Output:

When flag=true

List of Players

- Mr. Jack 50
- Mr. Michael 70
- Mr. John 40
- Mr. Ann 61
- Mr. Elisabeth 61
- Mr. Sachin 95
- Mr. Dhoni 100
- Mr. Virat 84
- Mr. Jadeja 64
- Mr. Raina 75
- Mr. Rohit 80

List of Players having Scores Less than 70

- Mr. Jack 50
- Mr. Michael 70
- Mr. John 40
- Mr. Ann 61
- Mr. Elisabeth 61
- Mr. Jadeja 64

When flag=false

Odd Players

- First : Sachin1
- Third : Virat3
- Fifth : Yuvaraj5

Even Players

- Second : Dhoni2
- Fourth : Rohit4
- Sixth : Raina6

List of Indian Players Merged:

- Mr. First Player
- Mr. Second Player
- Mr. Third Player
- Mr. Fourth Player
- Mr. Fifth Player
- Mr. Sixth Player