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**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

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* Filter the players with scores below 70 using arrow functions of ES6.



1. IndianPlayers
   1. Display the Odd Team Player and Even Team players using the Destructuring features of ES6

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* 1. Declare two arrays T20players and RanjiTrophy players and merge the two arrays and display them using the Merge feature of ES6

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

**Code:**

**ListofPlayers.js:**

import React from 'react';

const ListofPlayers = () => {

  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 players70 = [];

  players.map(item => {

    if (item.score <= 70) {

      players70.push(item);

    }

  });

  return (

    <div>

      <h2>List of Players</h2>

      <ul>

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

          <li key={index}>

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

          </li>

        ))}

      </ul>

      <h2>List of Players having Scores Less than 70</h2>

      <ul>

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

          <li key={index}>

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

          </li>

        ))}

      </ul>

    </div>

  );

};

export default ListofPlayers;

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**IndianPlayers.js:**

import React from 'react';

import { OddPlayers } from './OddPlayers';

const IndianPlayers = () => {

  const allPlayers = [

    'Virat', 'Rohit', 'Dhoni', 'Rahul',

    'Jadeja', 'Shami', 'Pant', 'Kohli'

  ];

  const oddPlayers = allPlayers.filter((\_, index) => index % 2 !== 0);

  const evenPlayers = allPlayers.filter((\_, index) => index % 2 === 0);

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

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

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

  return (

    <div>

      <h2>Odd Team Players</h2>

      <OddPlayers players={oddPlayers} />

      <h2>Even Team Players</h2>

      <ul>

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

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

        ))}

      </ul>

      <h2>Merged T20 + Ranji Trophy Players</h2>

      <ul>

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

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

        ))}

      </ul>

    </div>

  );

};

export default IndianPlayers;

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**OddPlayers.js:**

import React from 'react';

export function OddPlayers([first, , third, , fifth]) {

  return (

    <div>

      <ul>

        <li>First : {first}</li>

        <li>Third : {third}</li>

        <li>Fifth : {fifth}</li>

      </ul>

    </div>

  );

}

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**App.js:**

import React from 'react';

import ListofPlayers from './components/ListofPlayers';

import IndianPlayers from './components/IndianPlayers';

function App() {

  const flag = true; // toggle this to false to see IndianPlayers

  return (

    <div className="App">

      <h1>Cricket App</h1>

      {flag ? <ListofPlayers /> : <IndianPlayers />}

    </div>

  );

}

export default App;

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**Output:**

When Flag=true

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When Flag=false

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