**Week 7-9.React JS-HOL**

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**Hands on**

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

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

b. 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**

**File Name: ListofPlayers.js**

import React from "react";

const ListofPlayers = () => {

  const players = [

    { name: "Rohit", score: 85 },

    { name: "Kohli", score: 95 },

    { name: "Gill", score: 45 },

    { name: "Iyer", score: 55 },

    { name: "Rahul", score: 75 },

    { name: "Hardik", score: 65 },

    { name: "Jadeja", score: 70 },

    { name: "Bumrah", score: 35 },

    { name: "Shami", score: 50 },

    { name: "Siraj", score: 60 },

    { name: "Kuldeep", score: 80 }

  ];

  const below70 = players.filter(player => player.score < 70);

  return (

    <div>

      <h2>All Players</h2>

      <ul>

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

          <li key={index}>{player.name} - {player.score}</li>

        ))}

      </ul>

      <h2>Players with Score Below 70</h2>

      <ul>

        {below70.map((player, index) => (

          <li key={index}>{player.name} - {player.score}</li>

        ))}

      </ul>

    </div>

  );

};

export default ListofPlayers;

**========================================================**

**File Name: IndianPlayers.js**

import React from "react";

const IndianPlayers = () => {

  const oddTeam = ["Rohit", "Gill", "Rahul", "Jadeja", "Shami"];

  const evenTeam = ["Kohli", "Iyer", "Hardik", "Bumrah", "Siraj", "Kuldeep"];

  // Destructuring example

  const [odd1, odd2, ...restOdd] = oddTeam;

  const [even1, even2, ...restEven] = evenTeam;

  // Merge two arrays

  const T20players = ["Rohit", "Kohli", "Gill"];

  const RanjiTrophyPlayers = ["Shaw", "Padikkal", "Sarfaraz"];

  const allPlayers = [...T20players, ...RanjiTrophyPlayers];

  return (

    <div>

      <h2>Odd Team Players</h2>

      <p>{odd1}, {odd2}, {restOdd.join(", ")}</p>

      <h2>Even Team Players</h2>

      <p>{even1}, {even2}, {restEven.join(", ")}</p>

      <h2>All Merged Players (T20 + Ranji)</h2>

      <ul>

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

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

        ))}

      </ul>

    </div>

  );

};

export default IndianPlayers;

**========================================================**

**File Name: App.js**

import React from "react";

import ListofPlayers from "./components/ListofPlayers";

import IndianPlayers from "./components/IndianPlayers";

function App() {

  const flag = true; //can be toggled to false

  return (

    <div className="App">

      <h1>Cricket App</h1>

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

    </div>

  );

}

export default App;

**========================================================**

**File Name: App.css**

.App {

  text-align: center;

  font-family: Arial, sans-serif;

}

.App-logo {

  height: 40vmin;

  pointer-events: none;

}

@media (prefers-reduced-motion: no-preference) {

  .App-logo {

    animation: App-logo-spin infinite 20s linear;

  }

}

.App-header {

  background-color: #282c34;

  min-height: 100vh;

  display: flex;

  flex-direction: column;

  align-items: center;

  justify-content: center;

  font-size: calc(10px + 2vmin);

  color: white;

}

h2 {

  color: #007bff;

}

ul {

  list-style-type: none;

  padding: 0;

}

li {

  margin: 5px 0;

}

.App-link {

  color: #61dafb;

}

@keyframes App-logo-spin {

  from {

    transform: rotate(0deg);

  }

  to {

    transform: rotate(360deg);

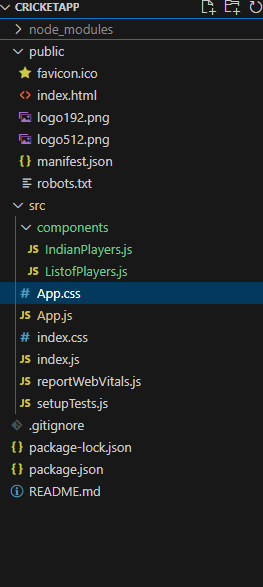
  }

}

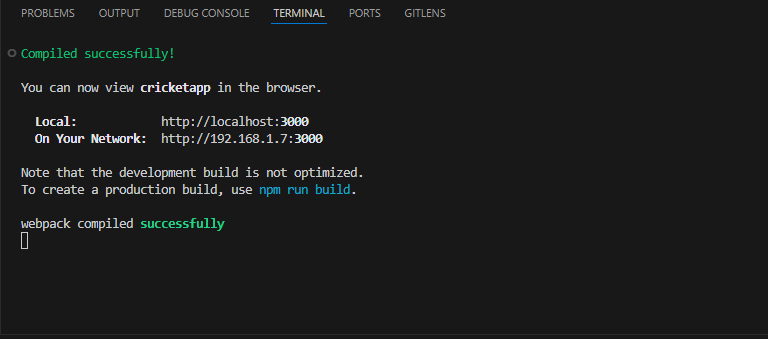
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**Output**

**Folder Structure**

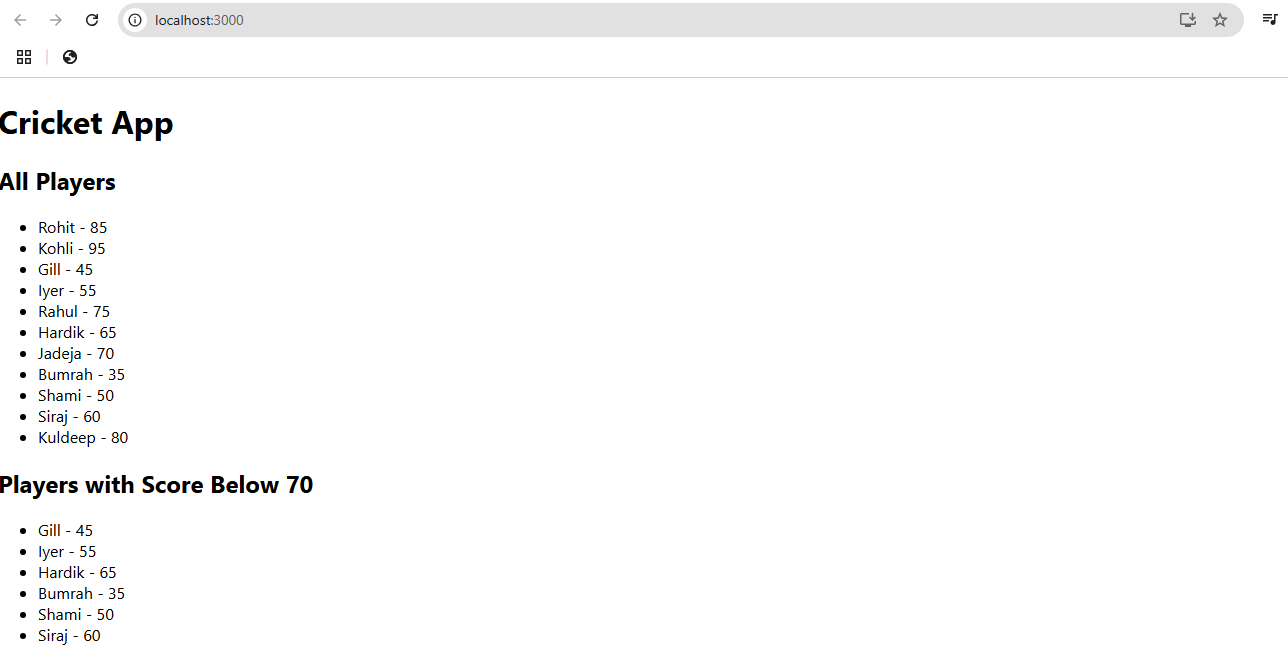


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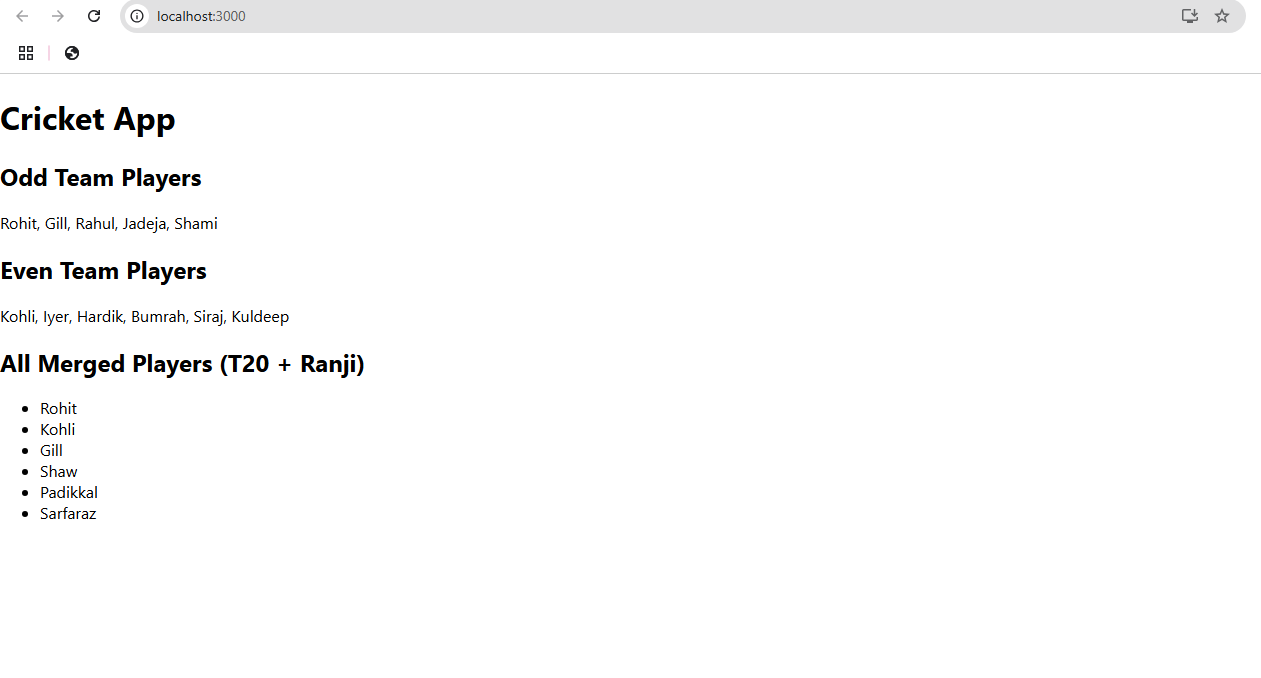
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**When Flag is True**



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**When flag is false**



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