# ReactJS Hands-On Lab 9 - Solutions

## 1. Creating the React App

Run the following command to create the React app:  
npx create-react-app cricketapp  
cd cricketapp  
code .

## 2. ListofPlayers Component

Inside src/ListofPlayers.js:  
import React from 'react';  
  
const players = [  
 { name: "Rohit", score: 80 },  
 { name: "Virat", score: 60 },  
 { name: "Rahul", score: 75 },  
 { name: "Shikhar", score: 68 },  
 { name: "Hardik", score: 90 },  
 { name: "Jadeja", score: 55 },  
 { name: "Pant", score: 88 },  
 { name: "Surya", score: 45 },  
 { name: "Bumrah", score: 72 },  
 { name: "Shami", score: 50 },  
 { name: "Ashwin", score: 77 }  
];  
  
const ListofPlayers = () => {  
 const below70 = players.filter(player => player.score < 70);  
 return (  
 <div>  
 <h2>All Players</h2>  
 <ul>{players.map((p, i) => <li key={i}>{p.name} - {p.score}</li>)}</ul>  
 <h3>Players with Score < 70</h3>  
 <ul>{below70.map((p, i) => <li key={i}>{p.name} - {p.score}</li>)}</ul>  
 </div>  
 );  
};  
  
export default ListofPlayers;

## 3. IndianPlayers Component

Inside src/IndianPlayers.js:  
import React from 'react';  
  
const IndianPlayers = () => {  
 const oddPlayers = ["Rohit", "Rahul", "Hardik", "Pant", "Shami"];  
 const evenPlayers = ["Virat", "Shikhar", "Jadeja", "Surya", "Bumrah", "Ashwin"];  
 const [first, , third, , fifth] = oddPlayers;  
 const [second, , fourth] = evenPlayers;  
  
 const T20 = ["Kohli", "Rohit", "Hardik"];  
 const Ranji = ["Pujara", "Rahane", "Jadeja"];  
 const allPlayers = [...T20, ...Ranji];  
  
 return (  
 <div>  
 <h2>Odd Team Players</h2>  
 <ul>{oddPlayers.map((p, i) => <li key={i}>{p}</li>)}</ul>  
 <h2>Even Team Players</h2>  
 <ul>{evenPlayers.map((p, i) => <li key={i}>{p}</li>)}</ul>  
 <h3>Merged Players (T20 + Ranji)</h3>  
 <ul>{allPlayers.map((p, i) => <li key={i}>{p}</li>)}</ul>  
 </div>  
 );  
};  
  
export default IndianPlayers;

## 4. Displaying Components Conditionally in App.js

Inside src/App.js:  
import React from 'react';  
import ListofPlayers from './ListofPlayers';  
import IndianPlayers from './IndianPlayers';  
  
function App() {  
 const flag = true; // Set to false to display IndianPlayers  
  
 return (  
 <div className="App">  
 {flag ? <ListofPlayers /> : <IndianPlayers />}  
 </div>  
 );  
}  
  
export default App;

## 5. Output Layout

The application will render either the ListofPlayers or IndianPlayers component based on the value of the flag variable.   
It uses ES6 features like map(), arrow functions, destructuring, and spread operator.