**Week 7: 9. ReactJS-HOL**

**App.js**

import React from 'react';

import ListofPlayers from './ListofPlayers';

import IndianPlayers from './IndianPlayers';

function App() {

const flag = true; // Change this to false to see the IndianPlayers component

return (

<div className="App">

<h1>🏏 Cricket App</h1>

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

</div>

);

}

export default App;

**ListofPlayers.js**

import React from 'react';

function ListofPlayers() {

const players = [

{ name: "Virat Kohli", score: 85 },

{ name: "Rohit Sharma", score: 60 },

{ name: "KL Rahul", score: 75 },

{ name: "Shubman Gill", score: 45 },

{ name: "Ravindra Jadeja", score: 90 },

{ name: "Hardik Pandya", score: 68 },

{ name: "Rishabh Pant", score: 72 },

{ name: "Suryakumar Yadav", score: 88 },

{ name: "Jasprit Bumrah", score: 30 },

{ name: "Mohammed Shami", score: 55 },

{ name: "Kuldeep Yadav", score: 40 }

];

// Filter players with score below 70 using arrow function

const lowScorers = 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>

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

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

))}

</ul>

</div>

);

}

export default ListofPlayers;

**IndianPlayers.js**

import React from 'react';

function IndianPlayers() {

const teamPlayers = ["Virat", "Rohit", "Rahul", "Gill", "Pant", "Jadeja"];

// Odd and Even Team Players using filter (Destructuring/ES6)

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

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

// Two arrays to merge

const T20players = ["Virat", "Rohit", "Bumrah"];

const RanjiTrophyPlayers = ["Pujara", "Rahane", "Ishant"];

// Merge two arrays using ES6 spread operator

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

return (

<div>

<h2>Odd Team Players</h2>

<ul>

{oddPlayers.map((player, index) => <li key={index}>{player}</li>)}

</ul>

<h2>Even Team Players</h2>

<ul>

{evenPlayers.map((player, index) => <li key={index}>{player}</li>)}

</ul>

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

<ul>

{mergedPlayers.map((player, index) => <li key={index}>{player}</li>)}

</ul>

</div>

);

}

export default IndianPlayers;

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

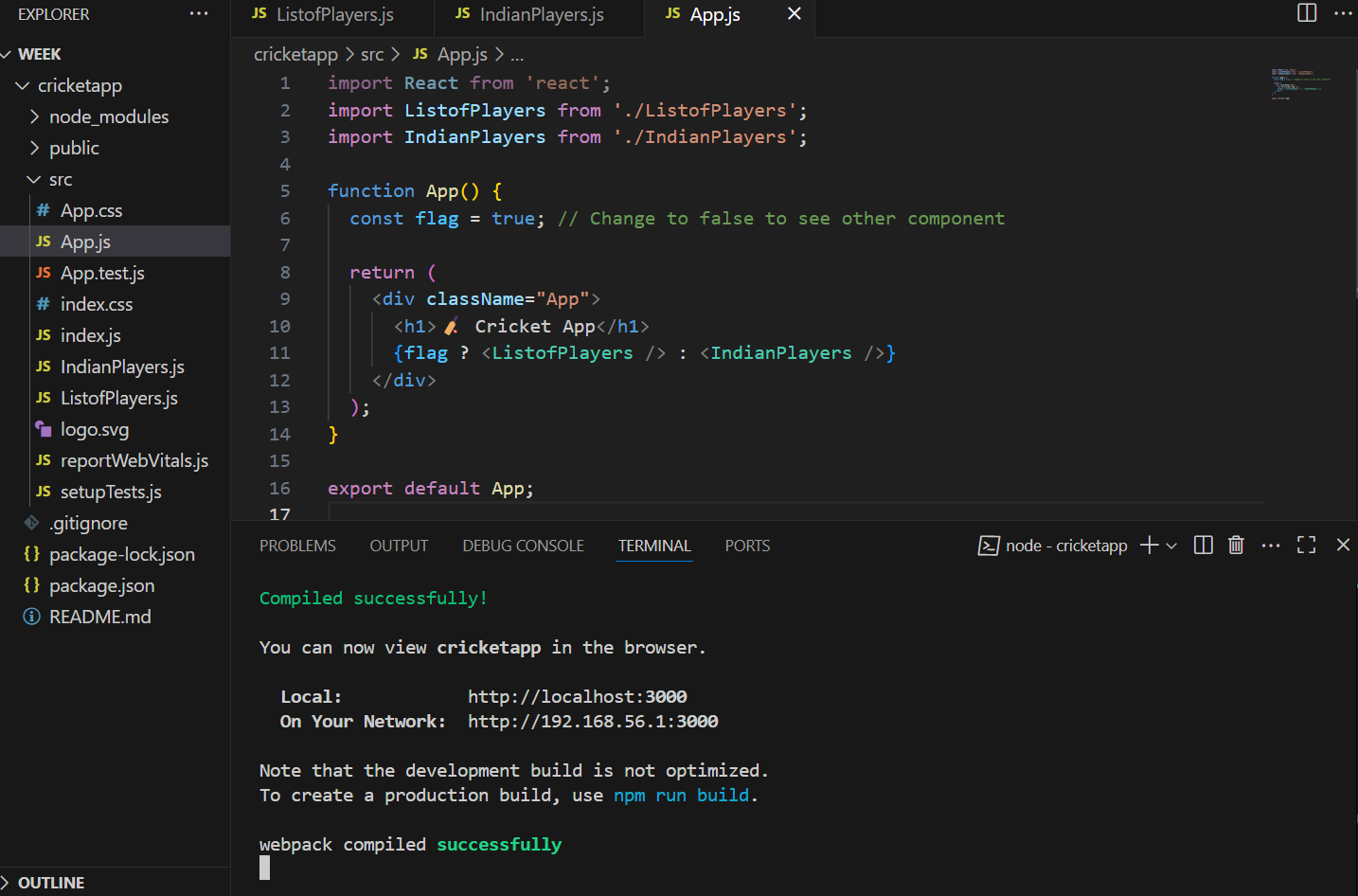
root.render(

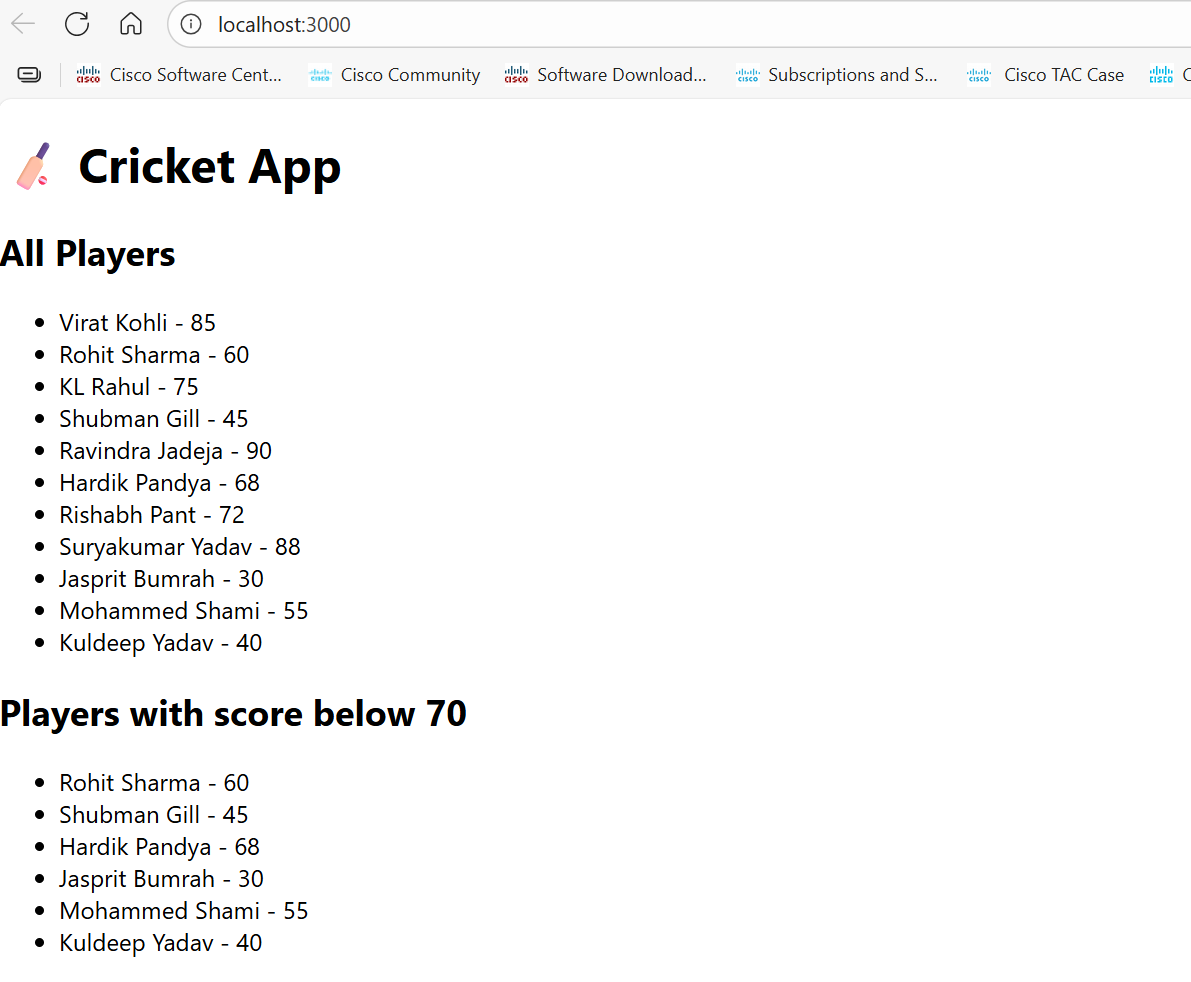
<React.StrictMode>

<App />

</React.StrictMode>

);

**Output:** ****

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