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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 Player using the Destructuring features of ES6.
* Declare two arrays: T20players and RanjiTrophyplayers and merge the two arrays using the spread operator (merge feature) of ES6.

3. Conditional Rendering

* Use a flag variable.
  + If flag = true, display the ListofPlayers component.
  + If flag = false, display the IndianPlayers component.

**Step 1: Create a new React App**

Open your terminal or command prompt and run:

npx create-react-app cricketapp

**Navigate into the app**

cd cricketapp

**Step 3: Start the development server**

npm start

**Step 4: Create two components**

In the src folder:

1. Create a file: ListofPlayers.js
2. Create a file: IndianPlayers.js

**Step 5: Replace the contents of App.js with the following:**

import React from 'react';

import ListofPlayers from './ListofPlayers';

import IndianPlayers from './IndianPlayers';

function App() {

const flag = true;

return (

<div>

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

</div>

);

}

export default App;

**ListofPlayers.js**

import React from 'react';

const ListofPlayers = () => {

const players = [

{ name: "Virat", score: 92 },

{ name: "Rohit", score: 85 },

{ name: "Dhoni", score: 78 },

{ name: "Jadeja", score: 66 },

{ name: "Rahul", score: 55 },

{ name: "Hardik", score: 73 },

{ name: "Shami", score: 49 },

{ name: "Bumrah", score: 71 },

{ name: "Surya", score: 67 },

{ name: "Gill", score: 88 },

{ name: "Pant", score: 62 }

];

const lowScorers = players.filter(p => p.score < 70);

return (

<div>

<h2>All Players</h2>

<ul>

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

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

))}

</ul>

<h3>Players with score below 70</h3>

<ul>

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

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

))}

</ul>

</div>

);

};

export default ListofPlayers;

**IndianPlayers.js**

import React from 'react';

const IndianPlayers = () => {

const allPlayers = ["Virat", "Rohit", "Dhoni", "Jadeja", "Rahul", "Hardik"];

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

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

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

const RanjiTrophyplayers = ["Jadeja", "Rahul"];

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

return (

<div>

<h2>Odd Team Players</h2>

<ul>

{oddPlayers.map((name, idx) => <li key={idx}>{name}</li>)}

</ul>

<h2>Even Team Players</h2>

<ul>

{evenPlayers.map((name, idx) => <li key={idx}>{name}</li>)}

</ul>

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

<ul>

{mergedPlayers.map((name, idx) => <li key={idx}>{name}</li>)}

</ul>

</div>

);

};

export default IndianPlayers;

**Testing the App**

To test:

1. Go to browser http://localhost:3000
2. Change the value of flag in App.js to false to test IndianPlayers view.

**Output :**



