Hands on 9

Solution:

**Step 1: Project Setup**

1. **Create the React App**

   npx create-react-app cricketapp

   cd cricketapp

**Step 2: ListofPlayers Component**

* **Purpose:** Display a list of 11 players with their names and scores.
* **ES6 Feature:** Uses .map() to render the list.

**src/ListofPlayers.js**

import React from 'react';

const players = [

  { name: 'Sachin1', score: 80 },

  { name: 'Dhoni2', score: 65 },

  // ... (add 9 more players)

];

export default function ListofPlayers() {

  return (

    <div>

      <ul>

        {players.map((item, idx) => (

          <li key={idx}>

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

          </li>

        ))}

      </ul>

    </div>

  );

}

export { players };

**Step 3: Scorebelow70 Component**

* **Purpose:** Display only players with scores less than 70.
* **ES6 Feature:** Uses .filter() and arrow functions.

**src/Scorebelow70.js**

import React from 'react';

export default function Scorebelow70({ players }) {

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

  return (

    <div>

      <ul>

        {below70.map((item, idx) => (

          <li key={idx}>

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

          </li>

        ))}

      </ul>

    </div>

  );

}

**Step 4: IndianPlayers, OddPlayers, EvenPlayers, and Merging Arrays**

* **Purpose:** Show odd/even team players and merge two arrays.
* **ES6 Features:** Array destructuring, spread operator.

**src/OddPlayers.js**

import React from 'react';

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

  return (

    <div>

      <ul>

        <li>First : {first}</li>

        <li>Third : {third}</li>

        <li>Fifth : {fifth}</li>

      </ul>

    </div>

  );

}

**src/EvenPlayers.js**

import React from 'react';

export default function EvenPlayers([, second, , fourth, , sixth]) {

  return (

    <div>

      <ul>

        <li>Second : {second}</li>

        <li>Fourth : {fourth}</li>

        <li>Sixth : {sixth}</li>

      </ul>

    </div>

  );

}

**src/ListofIndianPlayers.js**

import React from 'react';

export default function ListofIndianPlayers({ IndianPlayers }) {

  return (

    <div>

      <ul>

        {IndianPlayers.map((player, idx) => (

          <li key={idx}>Mr. {player}</li>

        ))}

      </ul>

    </div>

  );

}

**Step 5: App.js – Main Logic and Flag Toggle**

* If flag is true, show all players and those with scores < 70.
* If flag is false, show Indian team, odd/even players, and merged list.

**src/App.js**

import React from 'react';

import ListofPlayers, { players } from './ListofPlayers';

import Scorebelow70 from './Scorebelow70';

import OddPlayers from './OddPlayers';

import EvenPlayers from './EvenPlayers';

import ListofIndianPlayers from './ListofIndianPlayers';

import './App.css';

function App() {

  // Toggle this flag to see both outputs

  var flag = true;

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

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

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

  if (flag === true) {

    return (

      <div>

        <h1>List of Players</h1>

        <ListofPlayers players={players} />

        <hr />

        <h1>List of Players having Scores Less than 70</h1>

        <Scorebelow70 players={players} />

      </div>

    );

  } else {

    return (

      <div>

        <div>

          <h1>Indian Team</h1>

          <h1>Odd Players</h1>

          {OddPlayers(IndianPlayers)}

          <hr />

          <h1>Even Players</h1>

          {EvenPlayers(IndianPlayers)}

        </div>

        <hr />

        <div>

          <h1>List of Indian Players Merged:</h1>

          <ListofIndianPlayers IndianPlayers={IndianPlayers} />

        </div>

      </div>

    );

  }

}

export default App;

**Step 6: Running the App**

**npm start**

**url: localhost:3000**

Output:

False

A screenshot of a computer

AI-generated content may be incorrect.

True

A screenshot of a computer

AI-generated content may be incorrect.