**Exercise 9**

**Step 1: First create a folder named cricketapp.**

**Step 2: Now in the terminal write the location of your folder and then write “npx create-react-app .” in your terminal.**

**Step 3: Now write ‘npm start’ in the terminal.**

### Step 4: Create the Component Files:

1. **Open the src folder**
2. **Right-click > New File > Name it: ListofPlayers.js**
3. **Right-click again > New File > Name it: IndianPlayers.js**

**Step 5: Write the following codes in the files:**

* **ListofPlayers.js:**

import React from 'react';

const ListofPlayers = () => {

  const players = [

    { name: 'Jack', score: 50 },

    { name: 'Michael', score: 70 },

    { name: 'John', score: 40 },

    { name: 'Amir', score: 61 },

    { name: 'Elisabeth', score: 61 },

    { name: 'Sachin', score: 95 },

    { name: 'Dhoni', score: 100 },

    { name: 'Virat', score: 84 },

    { name: 'Jadeja', score: 64 },

    { name: 'Raina', score: 75 },

    { name: 'Rohit', score: 80 }

  ];

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

  return (

    <div>

      <h2>List of Players</h2>

      <ul>

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

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

        ))}

      </ul>

      <h2>List of Players having Scores Less than 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';

const IndianPlayers = () => {

  const players = ['Sachin', 'Dhoni', 'Virat', 'Rohit', 'Yuvraj', 'Raina'];

  const oddPlayers = players.filter((\_, index) => index % 2 === 0);  // 0, 2, 4

  const evenPlayers = players.filter((\_, index) => index % 2 !== 0); // 1, 3, 5

  const ordinal = ['First', 'Second', 'Third', 'Fourth', 'Fifth', 'Sixth'];

  const t20Players = ['First Player', 'Second Player', 'Third Player'];

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

  const mergedPlayers = [...t20Players, ...ranjiPlayers];

  return (

    <div>

      <h2>Odd Players</h2>

      <ul>

        {oddPlayers.map((name, index) => (

          <li key={index}>

            {ordinal[index \* 2]} : {name}

          </li>

        ))}

      </ul>

      <h2>Even Players</h2>

      <ul>

        {evenPlayers.map((name, index) => (

          <li key={index}>

            {ordinal[index \* 2 + 1]} : {name}

          </li>

        ))}

      </ul>

      <h2>List of Indian Players Merged:</h2>

      <ul>

        {mergedPlayers.map((name, index) => (

          <li key={index}>{name}</li>

        ))}

      </ul>

    </div>

  );

};

export default IndianPlayers;

**Step 6: Now in the app.js write the following code:**

import React from 'react';

function App() {

  const players = [

    { name: 'Aryan', score: 82 },

    { name: 'Kunal', score: 58 },

    { name: 'Rehan', score: 66 },

    { name: 'Dev', score: 91 },

    { name: 'Kabir', score: 45 },

    { name: 'Ishaan', score: 72 },

    { name: 'Nikhil', score: 38 },

    { name: 'Aarav', score: 69 },

    { name: 'Vihaan', score: 95 },

    { name: 'Shaurya', score: 77 },

    { name: 'Laksh', score: 60 }

  ];

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

  // Use player names again for odd/even split

  const playerNames = players.map(p => p.name);

  const oddPlayers = playerNames.filter((\_, index) => index % 2 === 0);  // 0, 2, 4, etc.

  const evenPlayers = playerNames.filter((\_, index) => index % 2 !== 0); // 1, 3, 5, etc.

  const t20Players = ['Ayaan', 'Parth', 'Yug'];

  const ranjiPlayers = ['Neil', 'Tanish', 'Harsh'];

  const mergedPlayers = [...t20Players, ...ranjiPlayers];

  return (

    <div style={{ padding: '20px' }}>

      <h1>List of Players</h1>

      <ul>

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

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

        ))}

      </ul>

      <h2>List of Players having Scores Less than 70</h2>

      <ul>

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

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

        ))}

      </ul>

      <h2>Odd Players</h2>

      <ul>

        {oddPlayers.map((name, index) => (

          <li key={index}>{name}</li>

        ))}

      </ul>

      <h2>Even Players</h2>

      <ul>

        {evenPlayers.map((name, index) => (

          <li key={index}>{name}</li>

        ))}

      </ul>

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

      <ul>

        {mergedPlayers.map((name, index) => (

          <li key={index}>{name}</li>

        ))}

      </ul>

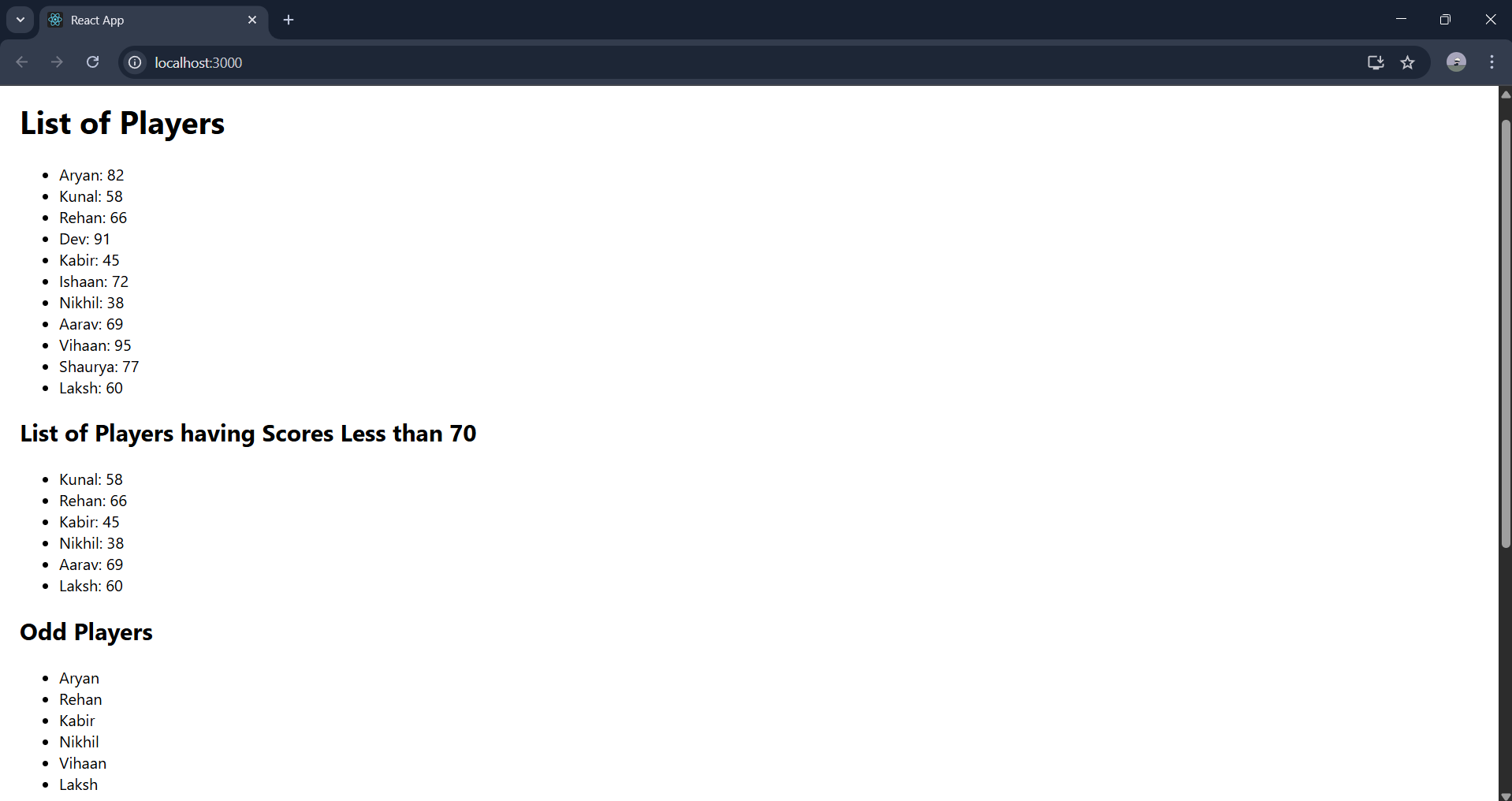
    </div>

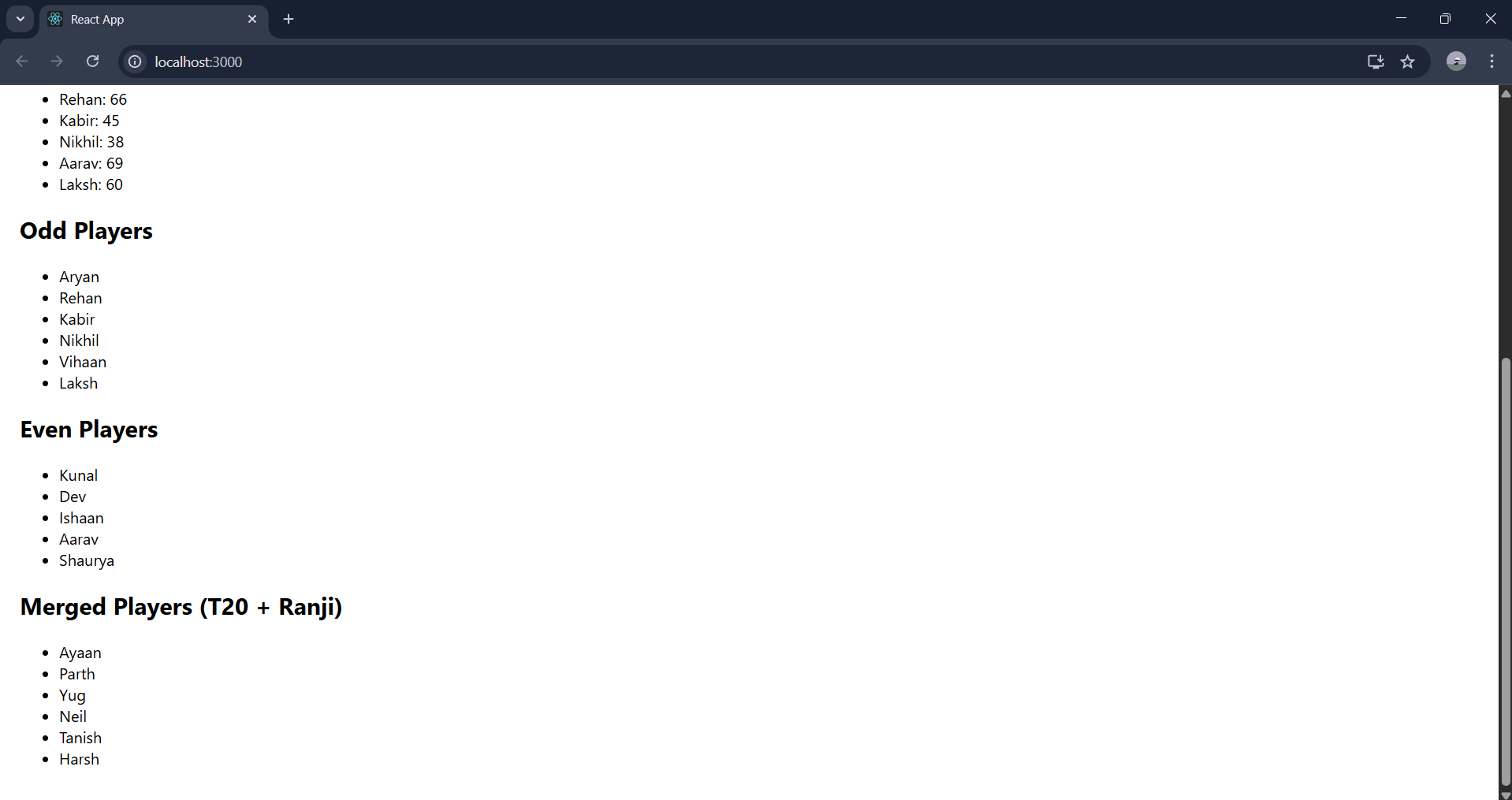
  );

}

export default App;

* **OUTPUT:**

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