9.Create a React Application named “cricketapp”

Code:

ListofPlayers.js:

// src/ListofPlayers.js

import React from 'react';

const ListofPlayers = () => {

  // Using const for a constant array

  const players = [

    { name: 'Virat Kohli', score: 95 },

    { name: 'Rohit Sharma', score: 88 },

    { name: 'KL Rahul', score: 45 },

    { name: 'Shubman Gill', score: 72 },

    { name: 'Hardik Pandya', score: 60 },

    { name: 'Rishabh Pant', score: 30 },

    { name: 'Ravindra Jadeja', score: 85 },

    { name: 'Bumrah', score: 75 },

    { name: 'Siraj', score: 48 },

    { name: 'Chahal', score: 65 },

    { name: 'Shami', score: 70 }

  ];

  // Filter players with score < 70 using arrow function

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

  return (

    <div>

      <h2>All Players (with scores)</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:

// src/IndianPlayers.js

import React from 'react';

const IndianPlayers = () => {

  // Destructuring

  const team = ['Player1', 'Player2', 'Player3', 'Player4', 'Player5', 'Player6'];

  const [p1, p2, p3, p4, p5, p6] = team;

  // Odd and Even teams

  const oddTeam = [p1, p3, p5];

  const evenTeam = [p2, p4, p6];

  // Merging arrays

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

  const RanjiTrophy = ['Pujara', 'Rahane'];

  const allPlayers = [...T20players, ...RanjiTrophy]; // Spread operator

  return (

    <div>

      <h2>Team Players</h2>

      <p><strong>Odd Team:</strong> {oddTeam.join(', ')}</p>

      <p><strong>Even Team:</strong> {evenTeam.join(', ')}</p>

      <h3>Merged Players List</h3>

      <ul>

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

          <li key={index}>{player}</li>

        ))}

      </ul>

    </div>

  );

};

export default IndianPlayers;

App.js:

// src/App.js

import React from 'react';

import ListofPlayers from './ListofPlayers';

import IndianPlayers from './IndianPlayers';

function App() {

  const flag = true; // Change this to false to test both components

return (

    <div className="App">

      <h1>Welcome to Cricket App</h1>

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

    </div>

  );

}

export default App;

Output:





