**9.REACT**

**Index.html**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>Cricket App</title>

  </head>

  <body>

    <div id="root"></div>

  </body>

</html>

**IndianPlayers.js**

import React from 'react';

const IndianPlayers = () => {

  const T20players = ['Rohit', 'Virat', 'Pant', 'Hardik', 'Kumar'];

  const RanjiPlayers = ['Shreyas', 'Pujara', 'Rahane', 'Karun', 'Jadeja'];

  const allPlayers = [...T20players, ...RanjiPlayers];

  const [odd, even] = allPlayers.reduce(

    ([odds, evens], player, index) =>

      index % 2 === 0 ? [[...odds, player], evens] : [odds, [...evens, player]],

    [[], []]

  );

  return (

    <div>

      <h2>Odd Team Players:</h2>

      <ul>{odd.map((p, i) => <li key={i}>{p}</li>)}</ul>

      <h2>Even Team Players:</h2>

      <ul>{even.map((p, i) => <li key={i}>{p}</li>)}</ul>

    </div>

  );

};

export default IndianPlayers;

**ListofPlayers.js**

import React from 'react';

const ListofPlayers = () => {

  const players = [

    { name: 'Virat', score: 80 },

    { name: 'Rohit', score: 60 },

    { name: 'Dhoni', score: 90 },

    { name: 'Kohli', score: 40 },

    { name: 'Jadeja', score: 75 },

    { name: 'Pant', score: 50 },

    { name: 'Rahul', score: 85 },

    { name: 'Ashwin', score: 45 },

    { name: 'Shami', score: 30 },

    { name: 'Bumrah', score: 95 },

    { name: 'Gill', score: 55 }

  ];

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

  return (

    <div>

      <h2>Players with score 70 and above:</h2>

      <ul>

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

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

        ))}

      </ul>

    </div>

  );

};

export default ListofPlayers;

**App.js**

import React from 'react';

import ListofPlayers from './components/ListofPlayers';

import IndianPlayers from './components/IndianPlayers';

const flag = true; // Change to false to display IndianPlayers

function App() {

  return (

    <div className="App">

      <h1>Cricket Application</h1>

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

    </div>

  );

}

export default App;

**index.js**

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

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

root.render(<App />);

**OUTPUT:**

