**ES6 Features to Demonstrate:**

* **let and const**: for variable declarations.
* **Arrow Functions**: concise function syntax.
* **Destructuring**: extract array values or object properties.
* **Class & Inheritance**: optional, not directly required here.
* **map()**: to render lists.
* **set() and map (ES6 collections)**: optional unless used in logic.

**Step-by-Step Implementation**

**1. Create App**

npx create-react-app cricketapp

cd cricketapp

npm start

**2. ListOfPlayers.js**

import React from 'react';

const ListOfPlayers = () => {

const players = [

{ name: 'Virat Kohli', score: 90 },

{ name: 'Rohit Sharma', score: 85 },

{ name: 'KL Rahul', score: 50 },

{ name: 'Shubman Gill', score: 45 },

{ name: 'Hardik Pandya', score: 75 },

{ name: 'Ravindra Jadeja', score: 65 },

{ name: 'MS Dhoni', score: 95 },

{ name: 'Jasprit Bumrah', score: 60 },

{ name: 'Bhuvneshwar Kumar', score: 55 },

{ name: 'Yuzvendra Chahal', score: 40 },

{ name: 'Shreyas Iyer', score: 70 },

];

// ES6 map

const playerList = players.map((player, index) => (

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

));

// ES6 arrow function to filter

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

return (

<div>

<h2>All Players:</h2>

<ul>{playerList}</ul>

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

<ul>

{below70.map((player, index) => (

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

))}

</ul>

</div>

);

};

export default ListOfPlayers;

**3. IndianPlayers.js**

jsx

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import React from 'react';

const IndianPlayers = () => {

const oddTeam = ['Virat', 'KL', 'Hardik', 'Jadeja', 'Bhuvi'];

const evenTeam = ['Rohit', 'Gill', 'Dhoni', 'Bumrah', 'Chahal'];

// Destructuring example

const [captain, viceCaptain, ...restOdd] = oddTeam;

const [opener, , ...restEven] = evenTeam;

// Merge arrays using spread

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

const RanjiTrophy = ['Shreyas', 'Prithvi', 'Sundar'];

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

return (

<div>

<h2>Odd Team Players:</h2>

<ul>

<li>Captain: {captain}</li>

<li>Vice Captain: {viceCaptain}</li>

{restOdd.map((player, index) => <li key={index}>{player}</li>)}

</ul>

<h2>Even Team Players:</h2>

<ul>

<li>Opener: {opener}</li>

{restEven.map((player, index) => <li key={index}>{player}</li>)}

</ul>

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

<ul>

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

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

))}

</ul>

</div>

);

};

export default IndianPlayers;

**4. App.js (Main Home Page with flag)**

import React from 'react';

import ListOfPlayers from './components/ListOfPlayers';

import IndianPlayers from './components/IndianPlayers';

function App() {

const flag = true; // Toggle this to false to display other component

return (

<div className="App">

<h1>Cricket App</h1>

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

</div>

);

}

export default App;

**Explanation of ES6 Usage**

| **ES6 Feature** | **Where Used** |
| --- | --- |
| let and const | Variable declarations everywhere |
| map() | Rendering list of players |
| arrow functions | Filtering players with score < 70 |
| destructuring | Breaking arrays into variables |
| spread operator | Merging arrays in IndianPlayers |
| if/else | Toggle view in App.js |

**Output (Visual)**

**When flag = true:**

Displays:

* All 11 players.
* Players with score below 70.

**When flag = false:**

Displays:

* Odd/Even team players with destructuring.
* Merged array of T20 and Ranji players.

