**WEEK 7 : REACT Hands On 9**

**Creating a Cricket React Application**

**Code :**

**ListofPlayers.js**

import React from 'react';

const ListofPlayers = () => {

  const players = [

    { name: 'Player 1', score: 85 },

    { name: 'Player 2', score: 62 },

    { name: 'Player 3', score: 91 },

    { name: 'Player 4', score: 55 },

    { name: 'Player 5', score: 78 },

    { name: 'Player 6', score: 68 },

    { name: 'Player 7', score: 72 },

    { name: 'Player 8', score: 45 },

    { name: 'Player 9', score: 88 },

    { name: 'Player 10', score: 60 },

    { name: 'Player 11', score: 95 }

  ];

  // Players with score below 70 using arrow function

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

  return (

    <div className="players-container">

      <h2>List of All Players</h2>

      <ul>

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

          <li key={index}>

            {player.name} - Score: {player.score}

          </li>

        ))}

      </ul>

      <h2>Players with Score Below 70</h2>

      <ul>

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

          <li key={index}>

            {player.name} - Score: {player.score}

          </li>

        ))}

      </ul>

    </div>

  );

};

export default ListofPlayers;

**IndianPlayers.js**

import React from 'react';

const IndianPlayers = () => {

  // Original array of players

  const players = [

    'Player A', 'Player B', 'Player C', 'Player D', 'Player E',

    'Player F', 'Player G', 'Player H', 'Player I', 'Player J', 'Player K'

  ];

  // Destructuring to get odd and even team players

  const [p1, p2, p3, p4, p5, p6, p7, p8, p9, p10, p11] = players;

  const oddTeam = [p1, p3, p5, p7, p9, p11];

  const evenTeam = [p2, p4, p6, p8, p10];

  // Two separate arrays

  const T20players = ['Player X', 'Player Y', 'Player Z'];

  const RanjiTrophyPlayers = ['Player P', 'Player Q', 'Player R'];

  // Merging arrays using spread operator

  const mergedPlayers = [...T20players, ...RanjiTrophyPlayers];

  return (

    <div className="indian-players-container">

      <h2>Indian Players</h2>

      <div className="team-section">

        <h3>Odd Team Players</h3>

        <ul>

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

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

          ))}

        </ul>

      </div>

      <div className="team-section">

        <h3>Even Team Players</h3>

        <ul>

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

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

          ))}

        </ul>

      </div>

      <div className="merge-section">

        <h3>Merged Players (T20 + Ranji Trophy)</h3>

        <ul>

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

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

          ))}

        </ul>

      </div>

    </div>

  );

};

export default IndianPlayers;

**App.css**

.App {

  max-width: 800px;

  margin: 0 auto;

  padding: 20px;

}

button {

  padding: 10px 15px;

  margin-bottom: 20px;

  background-color: #4CAF50;

  color: white;

  border: none;

  border-radius: 4px;

  cursor: pointer;

}

button:hover {

  background-color: #45a049;

}

.players-container,

.indian-players-container {

  border: 1px solid #ddd;

  padding: 20px;

  border-radius: 8px;

  margin-top: 20px;

}

h2 {

  color: #333;

  border-bottom: 1px solid #eee;

  padding-bottom: 10px;

}

ul {

  list-style-type: none;

  padding: 0;

}

li {

  padding: 8px;

  margin: 5px 0;

  background-color: #f9f9f9;

  border-radius: 4px;

}

.team-section,

.merge-section {

  margin: 20px 0;

  padding: 15px;

  background-color: #f5f5f5;

  border-radius: 8px;

}

**App.js**

import React, { useState } from 'react';

import './App.css';

import ListofPlayers from './ListofPlayers';

import IndianPlayers from './IndianPlayers';

function App() {

  const [flag, setFlag] = useState(true);

  return (

    <div className="App">

      <button onClick={() => setFlag(!flag)}>

        Toggle Component ({flag ? 'ListofPlayers' : 'IndianPlayers'})

      </button>

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

    </div>

  );

}

export default App;

**Output :**



