

## 9.ReactJS-HOL

```
import React, { useState } from 'react';
```

```
function ListOfPlayers() {
```

```
  const [flag, setFlag] = useState(false); // default is false
```

```
  const players = [
```

```
    { name: 'Jack', score: 50 },
```

```
    { name: 'Michael', score: 70 },
```

```
    { name: 'John', score: 40 },
```

```
    { name: 'Amin', 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 oddPlayers = ['Sachin1', 'Virat3', 'Yuvraj5'];
```

```
  const evenPlayers = ['Dhoni2', 'Rohit4', 'Raina6'];
```

```
  const mergedIndianPlayers = [
```

```
    'Mr. First Player',
```

```
    'Mr. Second Player',
```

```
    'Mr. Third Player',
```

```
    'Mr. Fourth Player',
```

```
    'Mr. Fifth Player',
```

```

'Mr. Sixth Player'

];

return (
  <div>
    <button onClick={() => setFlag(!flag)}>
      Toggle View (Current: {flag ? 'True' : 'False'})
    </button>

    <hr />

    {flag === false ? (
      <>
        <h2>List of Players</h2>
        <ul>
          {players.map((player, index) => (
            <li key={index}>Mr. {player.name} {player.score}</li>
          ))}
        </ul>

        <h2>List of Players having Scores Less than 70</h2>
        <ul>
          {players
            .filter(player => player.score < 70)
            .map((player, index) => (
              <li key={index}>Mr. {player.name} {player.score}</li>
            ))}
        </ul>

```

<p><em>When Flag = false</em></p>

</>

): (

<>

<h2>Odd Players</h2>

<ul>

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

<li key={index}>

{index === 0 && `First : \${name}` }

{index === 1 && `Third : \${name}` }

{index === 2 && `Fifth : \${name}` }

</li>

)))

</ul>

<h2>Even Players</h2>

<ul>

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

<li key={index}>

{index === 0 && `Second : \${name}` }

{index === 1 && `Fourth : \${name}` }

{index === 2 && `Sixth : \${name}` }

</li>

)))

</ul>

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

```

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

    <p><em>When Flag = true</em></p>
  </>
  )}
</div>

);
}

export default ListOfPlayers;

import React from 'react';

function PlayerDetails({ name, role, team }) {
  return (
    <div style={{ border: '1px solid gray', margin: '10px', padding: '10px' }}>
      <h3>{name}</h3>
      <p><strong>Role:</strong> {role}</p>
      <p><strong>Team:</strong> {team}</p>
    </div>
  );
}

export default PlayerDetails;

import React, { useState } from 'react';

```

```
function AddPlayerForm() {  
  const [playerName, setPlayerName] = useState("");  
  const [role, setRole] = useState("");  
  
  const handleSubmit = (e) => {  
    e.preventDefault();  
    alert(` Player Added:\nName: ${playerName}\nRole: ${role}` );  
    setPlayerName("");  
    setRole("");  
  };  
  
  return (  
    <div>  
      <h2>Add New Player</h2>  
      <form onSubmit={handleSubmit}>  
        <input  
          type="text"  
          placeholder="Player Name"  
          value={playerName}  
          onChange={(e) => setPlayerName(e.target.value)}  
          required  
        />  
        <br /><br />  
        <input  
          type="text"  
          placeholder="Role (e.g., Batsman)"  
          value={role}
```

```

      onChange={(e) => setRole(e.target.value)}

      required

    />

    <br /><br />

    <button type="submit">Add Player</button>

  </form>

</div>

);
}

```

export default AddPlayerForm;

OUTPUT:



