

9. ReactJS-HOL From React Folder

Create a react app with name cricketapp through commands or your wish

```
Windows PowerShell
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Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for
n 'Import-Module PSReadLine'.

PS C:\Users\91833> npx create-react-app cricketapp

Creating a new React app in C:\Users\91833\cricketapp.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

Happy hacking!
PS C:\Users\91833> cd cricketapp
PS C:\Users\91833\cricketapp> npm start

> cricketapp@0.1.0 start
> react-scripts start

(node:10044) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option.
(Use 'node --trace-deprecation ...' to show where the warning was created)
(node:10044) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option.
Starting the development server...
Compiled successfully!

You can now view cricketapp in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.75.1:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

Now open this in the Vscode:

-> now create a folder components under src and create file of names ListofPlayers.js, IndianPlayers.js.

Code for the following files

ListofPlayers.js file code from vs code:

```
components > JS ListofPlayers.js > ...
1 import React from 'react';
2 const ListofPlayers = ({ players }) => {
3   return (
4     <div>
5       <h2>All Players</h2>
6       <ul>
7         {players.map((player, index) => (
8           <li key={index}>
9             {player.name} - {player.score}
10          </li>
11        ))}
12       </ul>
13     </div>
14   );
15 };
16 // Arrow function to filter players with score < 70
17 export const Scorebelow70 = ({ players }) => {
18   const lowScorers = players.filter(player => player.score < 70);
19   return (
20     <div>
21       <h2>Players with Score &lt; 70</h2>
22       <ul>
23         {lowScorers.map((player, index) => (
24           <li key={index}>
25             {player.name} - {player.score}
26           </li>
27         ))}
28       </ul>
29     </div>
30   );
31 };
32 export default ListofPlayers;
33
```

IndianPlayers.js file code from vs code:

```
components > JS IndianPlayers.js > ...
import React from 'react';
const IndianPlayers = () => {
  const IndianTeam = ['Rohit', 'Virat', 'Dhoni', 'Jadeja', 'Bumrah', 'Pant', 'Shreyas',

  const OddPlayers = (team) => (
    <ul>
      {team.filter((_, index) => index % 2 !== 0).map((name, idx) => (
        <li key={idx}>{name}</li>
      ))}
    </ul>
  );
  const EvenPlayers = (team) => (
    <ul>
      {team.filter((_, index) => index % 2 === 0).map((name, idx) => (
        <li key={idx}>{name}</li>
      ))}
    </ul>
  );
  const T20players = ['Rohit', 'Kohli', 'Surya'];
  const RanjiTrophy = ['Pujara', 'Rahane', 'Iyer'];
  const IndianPlayers = [...T20players, ...RanjiTrophy];
  return (
    <div>
      <h2>Indian Team</h2>
      <h3>Odd Players</h3>
      {OddPlayers(IndianTeam)}
      <h3>Even Players</h3>
      {EvenPlayers(IndianTeam)}
      <h3>Merged Indian Players</h3>
      <ul>
        {IndianPlayers.map((player, index) => (
          <li key={index}>{player}</li>
        ))}
      </ul>
    </div>
  );
};
```

Modify App.js:

```
JS App.js > ...
import React from 'react';
import ListofPlayers, { Scorebelow70 } from '../components/ListofPlayers';
import IndianPlayers from '../components/IndianPlayers';
function App() {
  const flag = true; // Change to false to show IndianPlayers section
  const players = [
    { name: 'Virat', score: 85 },
    { name: 'Rohit', score: 60 },
    { name: 'Dhoni', score: 75 },
    { name: 'Jadeja', score: 45 },
    { name: 'Bumrah', score: 90 },
    { name: 'Gill', score: 65 },
    { name: 'Rahul', score: 88 },
    { name: 'Surya', score: 55 },
    { name: 'Pandya', score: 70 },
    { name: 'Iyer', score: 66 },
    { name: 'Siraj', score: 74 },
  ];
  if (flag) {
    return (
      <div>
        <h1>List of Players</h1>
        <ListofPlayers players={players} />

        <hr style={{ border: '1px solid black', margin: '20px 0' }} />

        <Scorebelow70 players={players} />
      </div>
    );
  } else {
    return (
      <div>
        <IndianPlayers />
      </div>
    );
  }
}
export default App;
```

Output: Run the reactapp



If it is false:

Output:

