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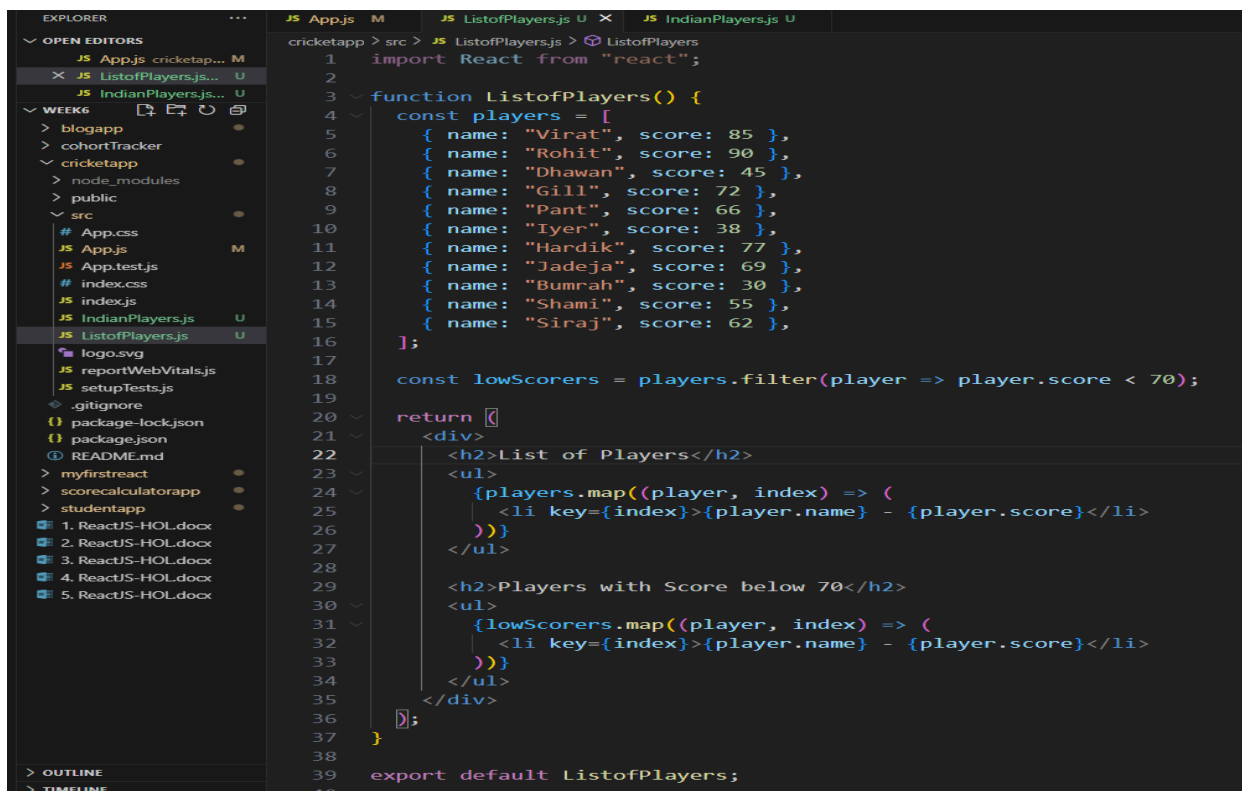
TRACK:JAVA FSE

Create a React Application named “cricketapp” with the following components:

1.Create React App(cricketapp)

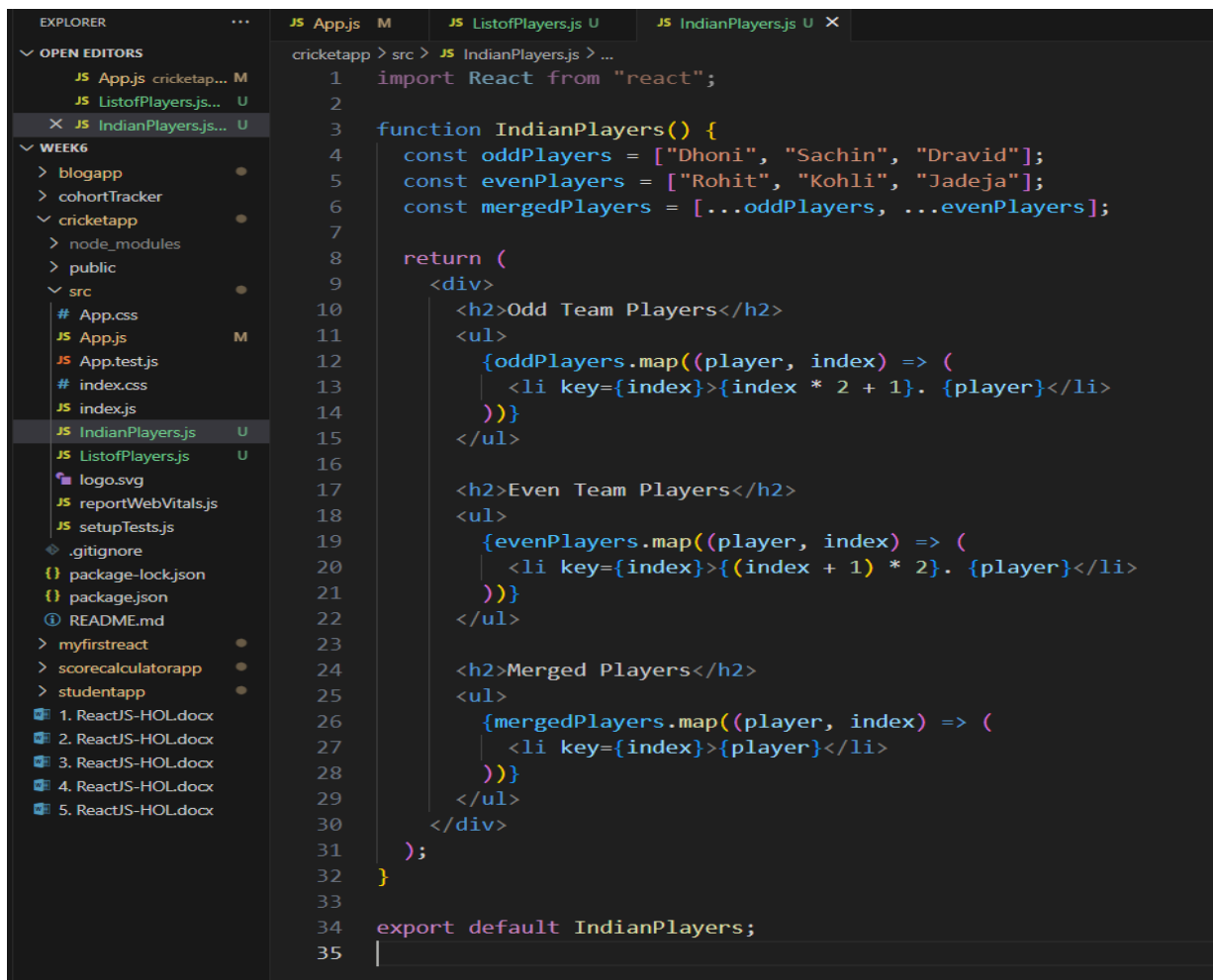
```
Installing packages. This might take a couple of minutes.  
Installing react, react-dom, and react-scripts with cra-template...  
  
added 1323 packages in 1m  
  
269 packages are looking for funding  
  run `npm fund` for details  
  
Initialized a git repository.  
  
Installing template dependencies using npm...  
  
added 17 packages, and changed 1 package in 13s  
  
269 packages are looking for funding  
  run `npm fund` for details  
Removing template package using npm...  
  
removed 1 package, and audited 1340 packages in 5s
```

2.Create ListofPlayers.js



```
1  import React from "react";  
2  
3  function ListofPlayers() {  
4    const players = [  
5      { name: "Virat", score: 85 },  
6      { name: "Rohit", score: 90 },  
7      { name: "Dhawan", score: 45 },  
8      { name: "Gill", score: 72 },  
9      { name: "Pant", score: 66 },  
10     { name: "Iyer", score: 38 },  
11     { name: "Hardik", score: 77 },  
12     { name: "Jadeja", score: 69 },  
13     { name: "Bumrah", score: 30 },  
14     { name: "Shami", score: 55 },  
15     { name: "Siraj", score: 62 },  
16   ];  
17  
18   const lowScorers = players.filter(player => player.score < 70);  
19  
20   return [  
21     <div>  
22       <h2>List of Players</h2>  
23       <ul>  
24         {players.map((player, index) => (  
25           <li key={index}>{player.name} - {player.score}</li>  
26         ))}  
27       </ul>  
28       <h2>Players with Score below 70</h2>  
29       <ul>  
30         {lowScorers.map((player, index) => (  
31           <li key={index}>{player.name} - {player.score}</li>  
32         ))}  
33       </ul>  
34     </div>  
35   ];  
36  
37 }  
38  
39 export default ListofPlayers;  
40
```

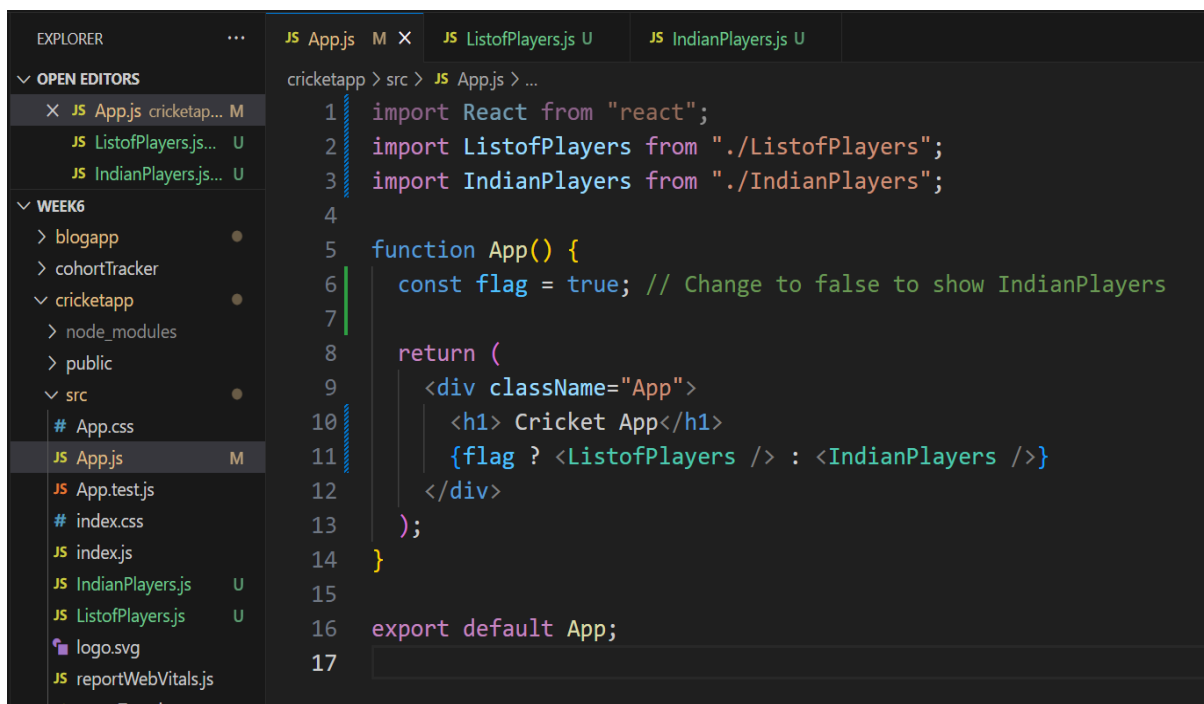
3. Create IndianPlayers.js



The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows a project structure with a 'src' folder containing 'App.js', 'App.test.js', 'index.css', 'index.js', 'IndianPlayers.js', 'ListofPlayers.js', 'logo.svg', 'reportWebVitals.js', and 'setupTests.js'. The Editor shows the content of 'IndianPlayers.js'.

```
1 import React from "react";
2
3 function IndianPlayers() {
4   const oddPlayers = ["Dhoni", "Sachin", "Dravid"];
5   const evenPlayers = ["Rohit", "Kohli", "Jadeja"];
6   const mergedPlayers = [...oddPlayers, ...evenPlayers];
7
8   return (
9     <div>
10      <h2>Odd Team Players</h2>
11      <ul>
12        {oddPlayers.map((player, index) => (
13          <li key={index}>{index * 2 + 1}. {player}</li>
14        ))}
15      </ul>
16
17      <h2>Even Team Players</h2>
18      <ul>
19        {evenPlayers.map((player, index) => (
20          <li key={index}>{(index + 1) * 2}. {player}</li>
21        ))}
22      </ul>
23
24      <h2>Merged Players</h2>
25      <ul>
26        {mergedPlayers.map((player, index) => (
27          <li key={index}>{player}</li>
28        ))}
29      </ul>
30    </div>
31  );
32 }
33
34 export default IndianPlayers;
35
```

4. Create App.js



The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows the same project structure as the previous screenshot. The Editor shows the content of 'App.js'.

```
1 import React from "react";
2 import ListofPlayers from "../ListofPlayers";
3 import IndianPlayers from "../IndianPlayers";
4
5 function App() {
6   const flag = true; // Change to false to show IndianPlayers
7
8   return (
9     <div className="App">
10      <h1> Cricket App</h1>
11      {flag ? <ListofPlayers /> : <IndianPlayers />}
12    </div>
13  );
14 }
15
16 export default App;
17
```

5.OUTPUT:-

```
> cricketapp@0.1.0 start
> react-scripts start

(node:11088) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:11088) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

You can now view cricketapp in the browser.

Local:      http://localhost:3000
On Your Network: http://192.168.1.43:3000
```

When Flag=true

Cricket App

List of Players

- Virat - 85
- Rohit - 90
- Dhawan - 45
- Gill - 72
- Pant - 66
- Iyer - 38
- Hardik - 77
- Jadeja - 69
- Bumrah - 30
- Shami - 55
- Siraj - 62

Players with Score below 70

- Dhawan - 45
- Pant - 66
- Iyer - 38
- Jadeja - 69
- Bumrah - 30
- Shami - 55
- Siraj - 62

When Flag=false

Cricket App

Odd Team Players

- 1. Dhoni
- 3. Sachin
- 5. Dravid

Even Team Players

- 2. Rohit
- 4. Kohli
- 6. Jadeja

Merged Players

- Dhoni
- Sachin
- Dravid
- Rohit
- Kohli
- Jadeja