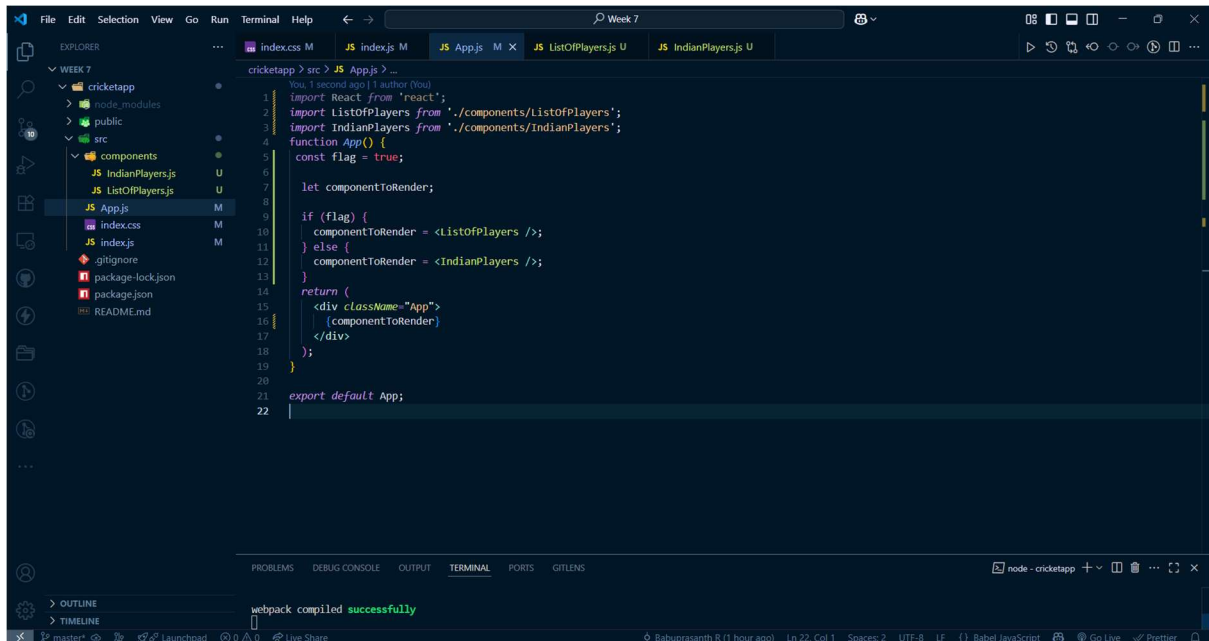


## Week – 7

### 9. ReactJS-HOL

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

#### App.js

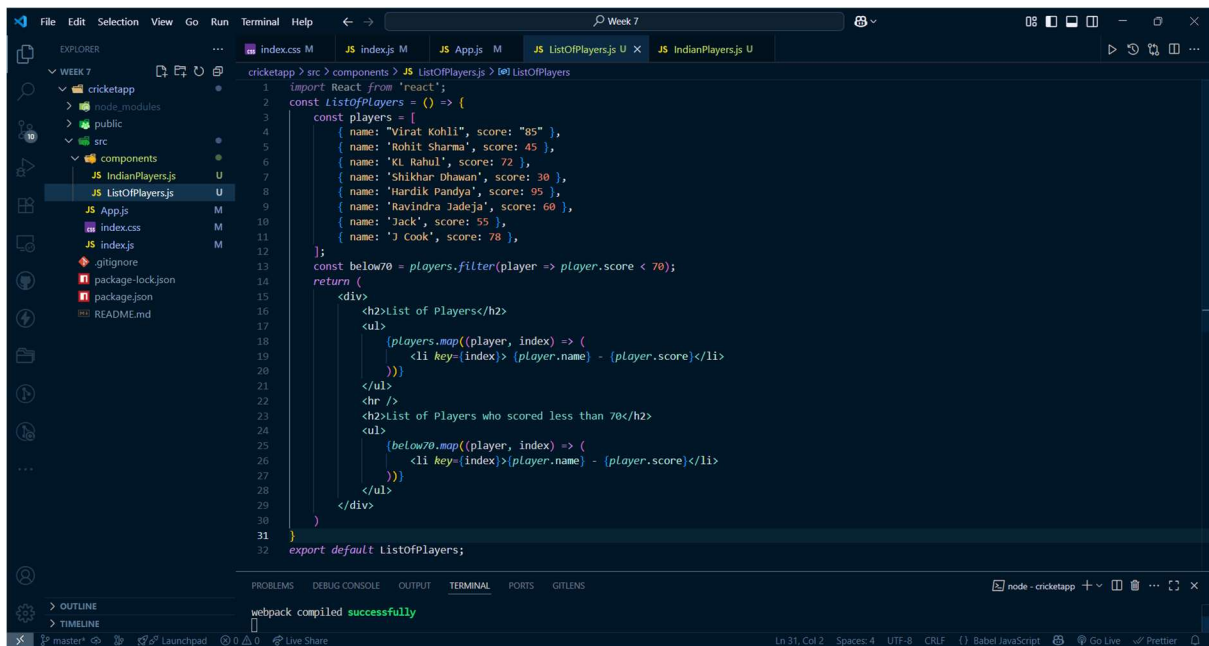


The screenshot shows the VS Code editor with the 'cricketapp' project open. The Explorer panel on the left shows the file structure: 'components' folder containing 'IndianPlayers.js', 'ListofPlayers.js', and 'App.js'. The 'App.js' file is selected and its content is displayed in the editor. The code defines a functional component 'App' that uses 'ListofPlayers' and 'IndianPlayers' components. It has a state variable 'flag' and a 'componentToRender' variable. The 'App' component renders a div with the class 'App' containing the 'componentToRender'.

```
1 import React from 'react';
2 import ListofPlayers from './components/ListofPlayers';
3 import IndianPlayers from './components/IndianPlayers';
4 function App() {
5   const flag = true;
6
7   let componentToRender;
8
9   if (flag) {
10    componentToRender = <ListofPlayers />;
11  } else {
12    componentToRender = <IndianPlayers />;
13  }
14  return (
15    <div className="App">
16      {componentToRender}
17    </div>
18  );
19 }
20
21 export default App;
```

The terminal at the bottom shows the command 'webpack compiled successfully'.

#### ListofPlayers.js

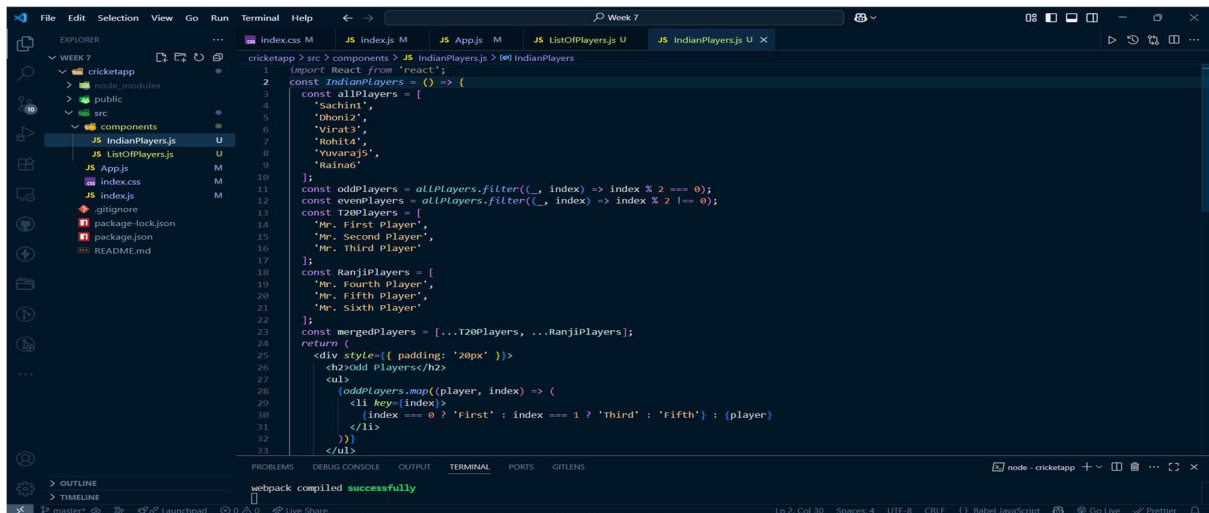


The screenshot shows the VS Code editor with the 'cricketapp' project open. The Explorer panel on the left shows the file structure: 'components' folder containing 'IndianPlayers.js', 'ListofPlayers.js', and 'App.js'. The 'ListofPlayers.js' file is selected and its content is displayed in the editor. The code defines a functional component 'ListofPlayers' that uses 'React' and 'filter' methods. It has a state variable 'players' and a 'below70' variable. The 'ListofPlayers' component renders a div with the class 'ListofPlayers' containing a list of players and a list of players who scored less than 70.

```
1 import React from 'react';
2 const listofPlayers = () => {
3   const players = [
4     { name: 'Virat Kohli', score: 85 },
5     { name: 'Rohit Sharma', score: 45 },
6     { name: 'KL Rahul', score: 72 },
7     { name: 'Shikhar Dhawan', score: 30 },
8     { name: 'Hardik Pandya', score: 95 },
9     { name: 'Ravindra Jadeja', score: 60 },
10    { name: 'Jack', score: 55 },
11    { name: 'J Cook', score: 78 },
12  ];
13  const below70 = players.filter(player => player.score < 70);
14  return (
15    <div>
16      <h2>List of Players</h2>
17      <ul>
18        {players.map((player, index) => (
19          <li key={index}> {player.name} - {player.score}</li>
20        ))}
21      </ul>
22      <hr />
23      <h2>List of Players who scored less than 70</h2>
24      <ul>
25        {below70.map((player, index) => (
26          <li key={index}> {player.name} - {player.score}</li>
27        ))}
28      </ul>
29    </div>
30  );
31 }
32 export default ListofPlayers;
```

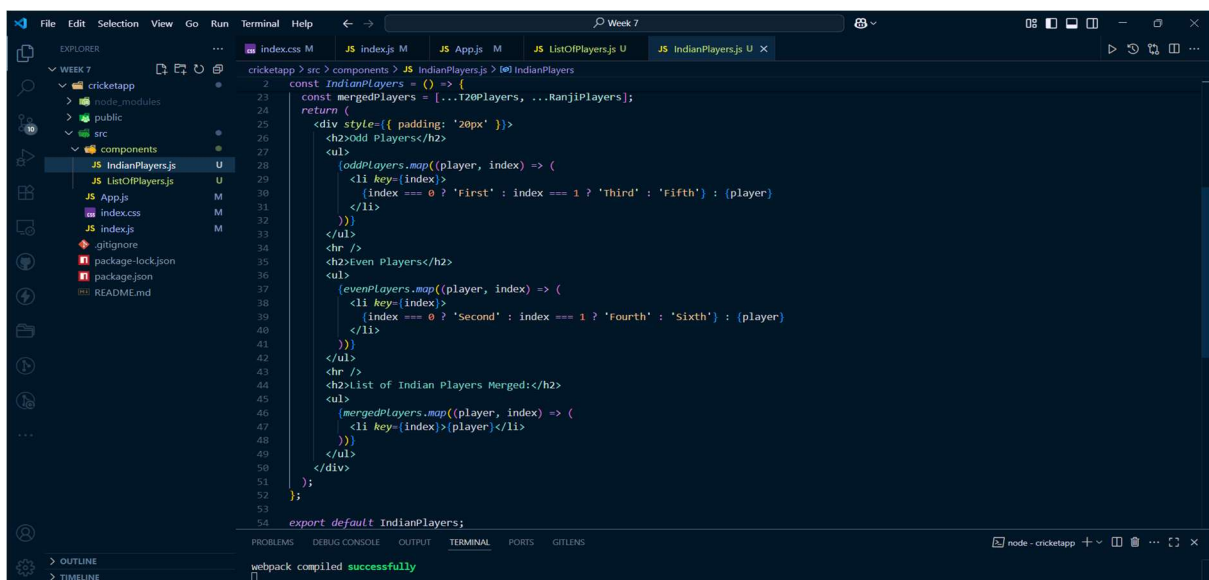
The terminal at the bottom shows the command 'webpack compiled successfully'.

# IndianPlayers.js



```
1 import React from 'react';
2 const IndianPlayers = () => {
3   const allPlayers = [
4     'Sachin',
5     'Dhoni',
6     'Virat',
7     'Rohit',
8     'Nagaraj',
9     'Raina'
10  ];
11  const oddPlayers = allPlayers.filter((_, index) => index % 2 === 0);
12  const evenPlayers = allPlayers.filter((_, index) => index % 2 !== 0);
13  const T20Players = [
14    'Mr. First Player',
15    'Mr. Second Player',
16    'Mr. Third Player'
17  ];
18  const RanjiPlayers = [
19    'Mr. Fourth Player',
20    'Mr. Fifth Player',
21    'Mr. Sixth Player'
22  ];
23  const mergedPlayers = [...T20Players, ...RanjiPlayers];
24  return (
25    <div style={{ padding: '20px' }}>
26      <h2>Odd Players</h2>
27      <ul>
28        {oddPlayers.map((player, index) => (
29          <li key={index}>
30            {index === 0 ? 'First' : index === 1 ? 'Third' : 'Fifth'} : {player}
31          </li>
32        ))}
33      </ul>
```

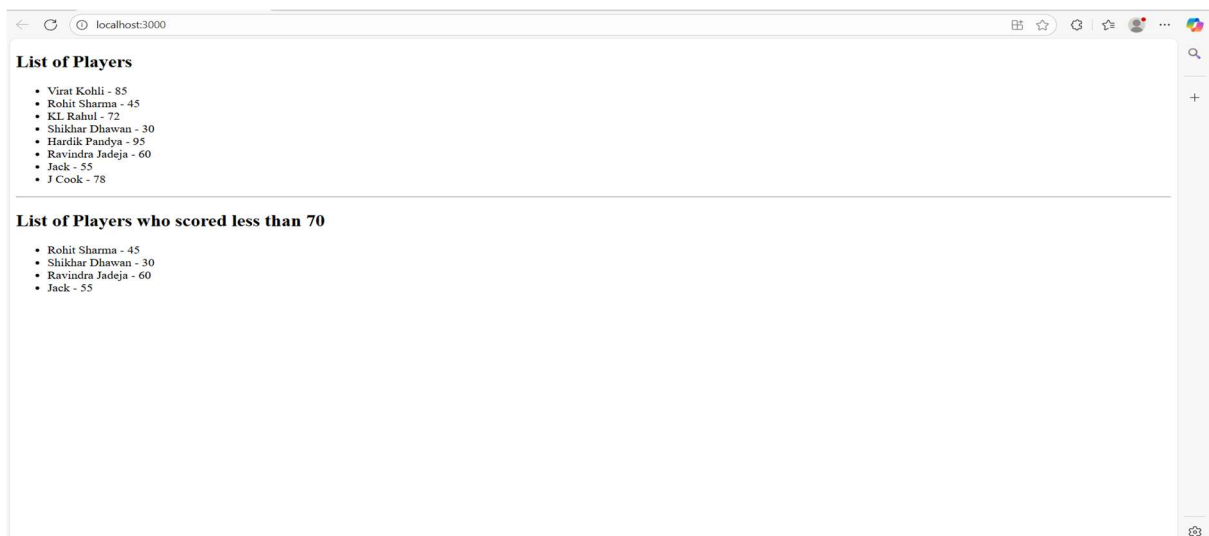
webpack compiled successfully



```
2 const IndianPlayers = () => {
23   const mergedPlayers = [...T20Players, ...RanjiPlayers];
24   return (
25     <div style={{ padding: '20px' }}>
26       <h2>Odd Players</h2>
27       <ul>
28         {oddPlayers.map((player, index) => (
29           <li key={index}>
30             {index === 0 ? 'First' : index === 1 ? 'Third' : 'Fifth'} : {player}
31           </li>
32         ))}
33       </ul>
34       <hr />
35       <h2>Even Players</h2>
36       <ul>
37         {evenPlayers.map((player, index) => (
38           <li key={index}>
39             {index === 0 ? 'Second' : index === 1 ? 'Fourth' : 'Sixth'} : {player}
40           </li>
41         ))}
42       </ul>
43       <hr />
44       <h2>List of Indian Players Merged</h2>
45       <ul>
46         {mergedPlayers.map((player, index) => (
47           <li key={index}>{player}</li>
48         ))}
49       </ul>
50     </div>
51   );
52 };
53
54 export default IndianPlayers;
```

webpack compiled successfully

## Output 1:



## Output 2 :

