WEEK – 6

1) ReactJS-HOL

```jsx
1   import React from "react";
2   const ListofPlayers = () => {
3     const players = [
4       { name: "Virat", score: 85 },{ name: "Rohit", score: 67 },
5       { name: "Dhoni", score: 95 },{ name: "Rahul", score: 45 },
6       { name: "Pandya", score: 76 },{ name: "Jadeja", score: 62 },
7       { name: "Ashwin", score: 88 },{ name: "Bumrah", score: 55 },
8       { name: "Gill", score: 91 },{ name: "Surya", score: 68 },
9       { name: "Shami", score: 73 },
10    ];
11
12    const filteredPlayers = players.filter((player) => player.score < 70);
13
14    return (
15      <div>
16        <h2>All Players:</h2>
17        <ul>
18          {players.map((player, index) => (
19            <li key={index}>
20              {player.name} - {player.score}
21            </li>
22          ))}
23        </ul>
24
25        <h3>Players with score below 70:</h3>
26        <ul>
27          {filteredPlayers.map((player, index) => (
28            <li key={index}>
29              {player.name} - {player.score}
30            </li>
31          ))}
32        </ul>
```

```jsx
// src/IndianPlayers.js
import React from "react";

const IndianPlayers = () => {
  const OddTeam = ["Virat", "Rahul", "Pandya", "Ashwin", "Gill"];
  const EvenTeam = ["Rohit", "Dhoni", "Jadeja", "Bumrah", "Shami"];

  const [p1, p2, p3, ...restOdd] = OddTeam;
  const [e1, e2, e3, ...restEven] = EvenTeam;

  const T20players = ["Kohli", "SKY", "Rohit"];
  const RanjiTrophyPlayers = ["Pujara", "Rahane", "Jadeja"];
  const AllPlayers = [...T20players, ...RanjiTrophyPlayers];

  return (
    <div>
      <h2>Odd Team Players (Destructured):</h2>
      <p>{p1}, {p2}, {p3}</p>

      <h2>Even Team Players (Destructured):</h2>
      <p>{e1}, {e2}, {e3}</p>

      <h2>Merged Player List:</h2>
      <ul>
        {AllPlayers.map((player, index) => (
          <li key={index}>{player}</li>
        ))}
      </ul>
    </div>
  );
};
```

```js
                You, 2 minutes ago | 1 author (You)
import React from "react";          You, 2 minutes ago • Uncommitted changes
import ListofPlayers from "./components/ListodPlayers";
import IndianPlayers from "./components/Indian Players";


function App() {
  const flag = false;

  return (
    <div className="App">
      <h1> 🏏 Cricket App</h1>
      {flag ? <ListofPlayers/> : <IndianPlayers />}
    </div>
  );
}

export default App;
```

OUTPUT
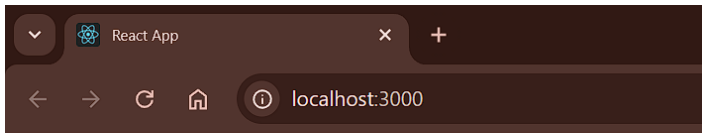
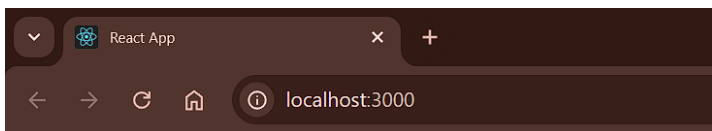# 🏏 Cricket App

Odd Team Players (Destructured):

Virat, Rahul, Pandya

Even Team Players (Destructured):

Rohit, Dhoni, Jadeja

Merged Player List:

- Kohli
- SKY
- Rohit
- Pujara
- Rahane
- Jadeja

🏏 Cricket App

All Players:

- Virat - 85
- Rohit - 67
- Dhoni - 95
- Rahul - 45
- Pandya - 76
- Jadeja - 62
- Ashwin - 88
- Bumrah - 55
- Gill - 91
- Surya - 68
- Shami - 73

Players with score below 70:

- Rohit - 67
- Rahul - 45
- Jadeja - 62
- Bumrah - 55
- Surya - 68

2)ReactJS-HOL

```
// src/App.js
import React from 'react';

function App() {
  const heading = <h1 style={{ color: 'blue' }}>📋 Office Space Rental Portal</h1>;
  const imageUrl = "https://officebanao.com/wp-content/uploads/2024/02/3d-rendering-business-meeting-room-1024x682.
  const office = {
    name: 'WorkNest Solutions',
    rent: 55000,
    address: 'MG Road, Bangalore'
  };

  const offices = [
    { name: 'UrbanSpace', rent: 45000, address: 'Koramangala, Bangalore' },
    { name: 'Skyline Office', rent: 65000, address: 'Indiranagar, Bangalore' },
  ];

  return (
    <div style={{ padding: '20px', fontFamily: 'Arial' }}>
      {heading}

      <img src={imageUrl} alt="Office Space" style={{ width: '400px', height: '200px', marginBottom: '20px' }} />

      <h2>Featured Office</h2>
      <p><strong>Name:</strong> {office.name}</p>
      <p><strong>Rent:</strong> <span style={{ color: office.rent > 60000 ? 'green' : 'red' }}>{office.rent}</span>
      <p><strong>Address:</strong> {office.address}</p>

      {/* List of Offices */}
      <h2>Available Office Spaces</h2>
      <ul>
```

```
function App() {
      <img src={imageUrl} alt="Office Space" style={{ width: '400px', height: '200px', marginBottom: '20px' }} />

      <h2>Featured Office</h2>
      <p><strong>Name:</strong> {office.name}</p>
      <p><strong>Rent:</strong> <span style={{ color: office.rent > 60000 ? 'green' : 'red' }}>{office.rent}</span>
      <p><strong>Address:</strong> {office.address}</p>

      {/* List of Offices */}
      <h2>Available Office Spaces</h2>
      <ul>
        {offices.map((item, index) => (
          <li key={index} style={{ marginBottom: '10px' }}>
            <strong>{item.name}</strong><br />
            Rent: <span style={{ color: item.rent > 60000 ? 'green' : 'red' }}>{item.rent}</span><br />
            Address: {item.address}
          </li>
        ))}
      </ul>
    </div>
  );
}

export default App;
```

OUTPUT

🏢 **Office Space Rental Portal**

Featured Office

Name: WorkNest Solutions

Rent: 55000

Address: MG Road, Bangalore

Available Office Spaces

- **UrbanSpace**
  Rent: 45000
  Address: Koramangala, Bangalore
- **Skyline Office**
  Rent: 65000
  Address: Indiranagar, Bangalore

3)ReactJS-HOL

```jsx
 4    class Counter extends Component {
 5      constructor() {
 6        super();
 7        this.state = {
 8          count: 0
 9        };
10      }
11
12      increment = () => {
13        this.setState({ count: this.state.count + 1 });
14        this.sayHello();
15      };
16
17      decrement = () => {
18        this.setState({ count: this.state.count - 1 });
19      };
20
21      sayHello = () => {
22        console.log("Hello! Keep increasing 🚀");
23      };
24
25      sayWelcome = (message) => {
26        alert(`Welcome Message: ${message}`);
27      };
28
29      handleClick = (event) => {
30        alert('I was clicked');
31        console.log('Synthetic Event:', event);
32      };
33
34      render() {
```

```jsx
 4    class Counter extends Component {
34      render() {
35        return (
36          <div style={{ padding: '20px' }}>
37            <h2>Counter: {this.state.count}</h2>
38
39            <button onClick={this.increment}>Increment</button>
40            <button onClick={this.decrement}>Decrement</button>
41
42            <br /><br />
43
44            <button onClick={() => this.sayWelcome('Welcome to the React Event Handling!')}>
45              Say Welcome
46            </button>
47
48            <br /><br />
49
50            <button onClick={this.handleClick}>OnPress</button>
51          </div>
52        );
53      }
54    }
55
56    export default Counter;
57
```

```
 1  // src/CurrencyConverter.js
 2  import React, { Component } from 'react';
 3
 4  class CurrencyConverter extends Component {
 5    constructor() {
 6      super();
 7      this.state = {
 8        rupees: '',
 9        euro: null
10      };
11    }
12
13    handleChange = (e) => {
14      this.setState({ rupees: e.target.value });
15    };
16
17    handleSubmit = (e) => {
18      e.preventDefault();
19      const conversionRate = 0.011; // 1 INR ≈ 0.011 EUR
20      const euroAmount = this.state.rupees * conversionRate;
21      this.setState({ euro: euroAmount.toFixed(2) });
22    };
23
24    render() {
25      return (
26        <div style={{ padding: '20px' }}>
27          <h2>Currency Converter</h2>
28          <form onSubmit={this.handleSubmit}>
29            <label>INR: </label>
30            <input
31              type="number"
32              value={this.state.rupees}
```

chpad   ⊗ 0 ⚠ 0   Ln 4, Col 7 (17 selected)   Spaces: 2   UTF-8   CRLF   { } JavaScript JSX

```
29            <label>INR: </label>
30            <input
31              type="number"
32              value={this.state.rupees}
33              onChange={this.handleChange}
34              placeholder="Enter amount in INR"
35            />
36            <button type="submit">Convert</button>
37          </form>
38          {this.state.euro !== null && (
39            <p>Amount in Euro: €{this.state.euro}</p>
40          )}
41        </div>
42      );
43    }
44  }
45
46  export default CurrencyConverter;
47
```

```js
import Counter from "./components/Counter";
import CurrencyConverter from "./components/CurrencyConverter";


function App() {
  return (
    <div style={{ fontFamily: 'Arial' }}>
      <h1>React Event Handling Demo</h1>
      <Counter />
      <hr />
      <CurrencyConverter />
    </div>
  );
}

export default App;
```

Output

React Event Handling Demo

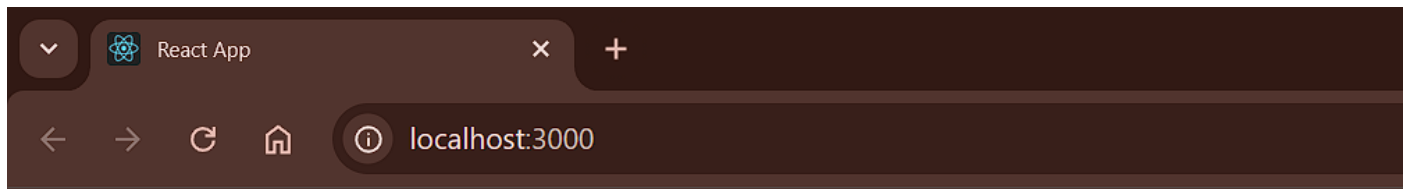**Counter: 8**

[Increment] [Decrement]

[Say Welcome]

[OnPress]

Currency Converter

INR: [888] [Convert]

Amount in Euro: €9.77

4)ReactJS-HOL

```js
// src/App.js
import React, { useState } from 'react';

function App() {
  const [isLoggedIn, setIsLoggedIn] = useState(false);

  const handleLoginClick = () => {
    setIsLoggedIn(true);
  };

  const handleLogoutClick = () => {
    setIsLoggedIn(false);
  };

  let button;
  let message;

  if (isLoggedIn) {
    message = <h1>Welcome back</h1>;
    button = <button onClick={handleLogoutClick}>Logout</button>;
  } else {
    message = <h1>Please sign up.</h1>;
    button = <button onClick={handleLoginClick}>Login</button>;
  }

  return (
    <div style={{ padding: '20px', fontFamily: 'Arial' }}>
      {message}
      {button}
    </div>
  );
```

```js
function App() {
  const handleLogoutClick = () => {
  };

  let button;
  let message;

  if (isLoggedIn) {
    message = <h1>Welcome back</h1>;
    button = <button onClick={handleLogoutClick}>Logout</button>;
  } else {
    message = <h1>Please sign up.</h1>;
    button = <button onClick={handleLoginClick}>Login</button>;
  }

  return (
    <div style={{ padding: '20px', fontFamily: 'Arial' }}>
      {message}
      {button}
    </div>
  );
}

export default App;
```

Output

Please sign up.

Login
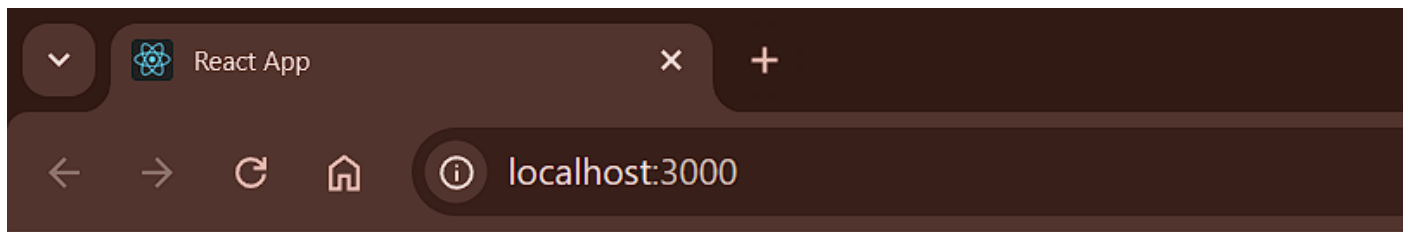
Welcome back

Logout

5)ReactJS-HOL

```jsx
    3
    4    function App() {
    5      return (
    6        <div className="container">
    7          {/* Course Section */}
    8          <div className="section">
    9            <h2>Course Details</h2>
   10            <p><strong>Angular</strong><br />4/5/2021</p>
   11            <p><strong>React</strong><br />6/3/20201</p>
   12          </div>
   13
   14          {/* Book Section */}
   15          <div className="section">
   16            <h2>Book Details</h2>
   17            <p><strong>Master React</strong><br />670</p>
   18            <p><strong>Deep Dive into Angular 11</strong><br />800</p>
   19            <p><strong>Mongo Essentials</strong><br />450</p>
   20          </div>
   21
   22          {/* Blog Section */}
   23          <div className="section">
   24            <h2>Blog Details</h2>
   25            <p><strong>React Learning</strong><br /><em>Stephen Biz</em><br />Welcome to learning React!</p>
   26            <p><strong>Installation</strong><br /><em>Schwezdenier</em><br />You can install React from npm.</p>
   27          </div>
   28        </div>
   29      );
   30    }
   31
   32    export default App;
   33
```
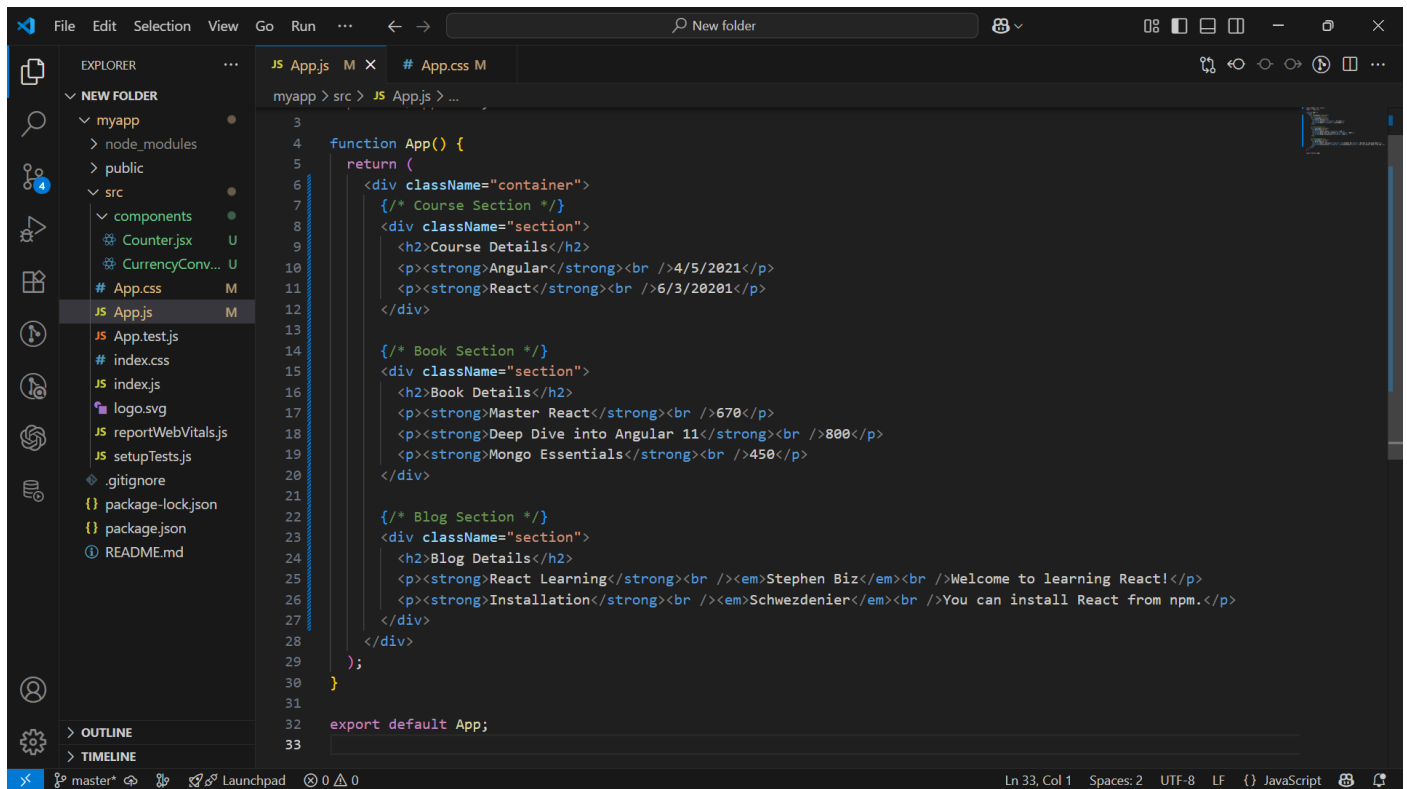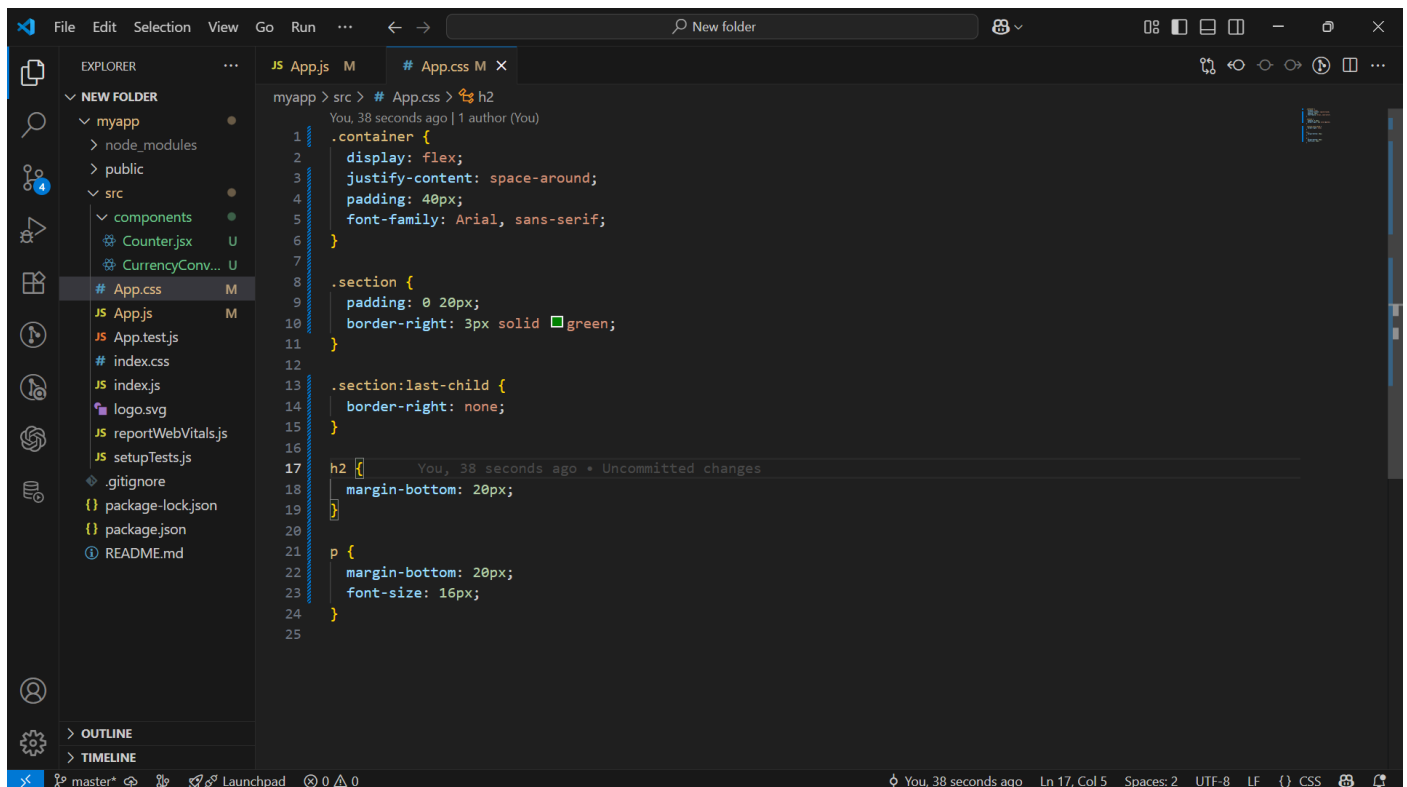
```css
    1    .container {
    2      display: flex;
    3      justify-content: space-around;
    4      padding: 40px;
    5      font-family: Arial, sans-serif;
    6    }
    7
    8    .section {
    9      padding: 0 20px;
   10      border-right: 3px solid green;
   11    }
   12
   13    .section:last-child {
   14      border-right: none;
   15    }
   16
   17    h2 {
   18      margin-bottom: 20px;
   19    }
   20
   21    p {
   22      margin-bottom: 20px;
   23      font-size: 16px;
   24    }
   25
```

Output

Course Details

Angular
4/5/2021

React
6/3/20201

Book Details

Master React
670

Deep Dive into Angular 11
800

Mongo Essentials
450

Blog Details

React Learning
Stephen Biz
Welcome to learning React!

Installation
Schwezdenier
You can install React from npm.