Create a React Application named "cricketapp" with the following components:

- 1. ListofPlayers
 - Declare an array with 11 players and store details of their names and scores using the map feature of ES6
 - Filter the players with scores below 70 using arrow functions of ES6.

```
import React from "react";
export default function ListofPlayers() {
  const players = [
    { name: "Sachin", score: 80 },
{ name: "Dhoni", score: 90 },
{ name: "Virat", score: 60 },
{ name: "Rohit", score: 55 },
     { name: "Yuvaraj", score: 85 },
{ name: "Dravid", score: 45 },
     { name: "Sehwag", score: 76 },
{ name: "Jadeja", score: 40 },
     { name: "Ashwin", score: 65 },
     { name: "Kohli", score: 95 },
{ name: "Shami", score: 30 },
  const filtered = players.filter(player => player.score < 70);</pre>
       <h2>All Players and Scores</h2>
          {players.map((player, index) => (
            {player.name} - {player.score}
       <h3>Players with score below 70</h3>
         {filtered.map((player, index) => (
            {player.name} - {player.score}
```

2. IndianPlayers

- a. Display the Odd Team Player and Even Team players using the Destructuring features of ES6
- b. Declare two arrays T20players and RanjiTrophy players and merge the two arrays and display them using the Merge feature of ES6

Display these two components in the same home page using a simple if else in the flag variable.

App.js

Output:

When Flag=true

Welcome to CricketApp

All Players and Scores

- Sachin 80
- Dhoni 90
- Virat 60
- Rohit 55
- Yuvaraj 85
- Dravid 45
- Sehwag 76
- Jadeja 40
- Ashwin 65
- Kohli 95
- Shami 30

Players with score below 70

- Virat 60
- Rohit 55
- Dravid 45
- Jadeja 40
- Ashwin 65
- Shami 30

When Flag=false

Welcome to CricketApp

Odd Team Players

- Sachin
- Virat
- Yuvraj

Even Team Players

- Dhoni
- Rohit
- Dravid

Merged T20 + Ranji Trophy Players

- First Player
- Second Player
- Third Player
- Fourth Player
- Fifth Player
- Sixth Player

React HandsOn 10

Create an element to display the heading of the page.

Attribute to display the image of the office space

Create an object of office to display the details like Name, Rent and Address.

Create a list of Object and loop through the office space item to display more data.

To apply Css, Display the color of the Rent in Red if it's below 60000 and in Green if it's above 60000.

OfficeApp.js:

```
import React from "react";
const offices = [
 {
  name: "Office A",
  rent: 55000,
  address: "Sector 5, Salt Lake",
  image: "https://tse4.mm.bing.net/th/id/OIP.y-
JCbcWu PkOmnJzr4e1KQHaE7?pid=Api&P=0&h=180",
 },
 {
  name: "Office B",
  rent: 72000,
  address: "Kolkata, Rajarhat",
  image:
"https://tse2.mm.bing.net/th/id/OIP.FpOe13DnZ678OQ2GX8MPIQHaE8?pid=Api&P=0&h=180",
 },
 {
  name: "Office C",
  rent: 48000,
  address: "New Town",
  image: "https://tse4.mm.bing.net/th/id/OIP.HfKRI-KYFgwmWdq-
FxFYKgHaE7?pid=Api&P=0&h=180",
 },
];
export default function OfficeApp() {
 return (
  <div style={{ padding: "20px", fontFamily: "Arial" }}>
   <h1>Available Office Spaces</h1>
```

```
<h2>Featured Office</h2>
   <div style={{ border: "1px solid #ccc", padding: "10px", marginBottom: "20px" }}>
    <img
      src="https://tse3.mm.bing.net/th/id/OIP.xiLvvQ02gdFhWvwqA98q2gHaE8?pid=Api&P=0&
h=180"
      alt="Office"
     style={{ width: "50%", borderRadius: "5px" }}
    />
    <strong>Name:</strong> Prime Offices
    >
      <strong>Rent:</strong>{" "}
      <span style={{ color: 65000 < 60000 ? "red" : "green" }}>₹65000</span>
    <strong>Address:</strong> BBD Bag, Kolkata
   </div>
   <h2>Other Available Offices</h2>
   {offices.map((office, index) => (
    <div key={index} style={{</pre>
       border: "1px solid #aaa",
       padding: "10px",
       marginBottom: "15px",
       borderRadius: "5px",
     }}>
      <img src={office.image}</pre>
       alt={office.name}
       style={{ width: "100%", maxWidth: "300px", borderRadius: "5px" }}/>
      <strong>Name:</strong> {office.name}
      <strong>Rent:</strong>{" "}
```

```
<span style={{ color: office.rent < 60000 ? "red" : "green" }}>
        ₹{office.rent}
       </span>
      <strong>Address:</strong> {office.address}
    </div>
   ))}
  </div>
 );
}
App.js:
import React from "react";
import OfficeApp from "./components/OfficeApp";
function App() {
 return (
                                    Available Office Spaces
  <div className="App">
                                    Featured Office
   <OfficeApp />
  </div>
```



Name: Prime Offices

Rent: ₹65000

Address: BBD Bag, Kolkata

Output:

export default App;

);

}



Name: Office C

Rent: ₹48000

Address: New Town

Create a React Application "eventexamplesapp" to handle various events of the form elements in HTML.

- 1. Create "Increment" button to increase the value of the counter and "Decrement" button to decrease the value of the counter. The "Increase" button should invoke multiple methods.
 - a. To increment the value
 - b. Say Hello followed by a static message.

Counter.js

```
import React, { useState } from 'react';
function Counter() {
 const [count, setCount] = useState(0);
  const sayHello = () => {
    console.log("Hello! Have a great day.");
  const increase = () => {
    setCount(count + 1);
    sayHello();
  const decrease = () => {
    setCount(count - 1);
      <h3>Counter Value: {count}</h3>
      <button onClick={increase}>Increment</button>
      <button onClick={decrease}>Decrement</button>
    </div>
export default Counter;
```

2. Create a button "Say Welcome" which invokes the function which takes "welcome" as an argument.

SayWelcome.js

```
import React from 'react';
function SayWelcome() {
 const greet = (message) => {
  alert(message);
  export default SayWelcome;
```

3. Create a button which invokes synthetic event "OnPress" which display "I was clicked"

ClickMessage.js

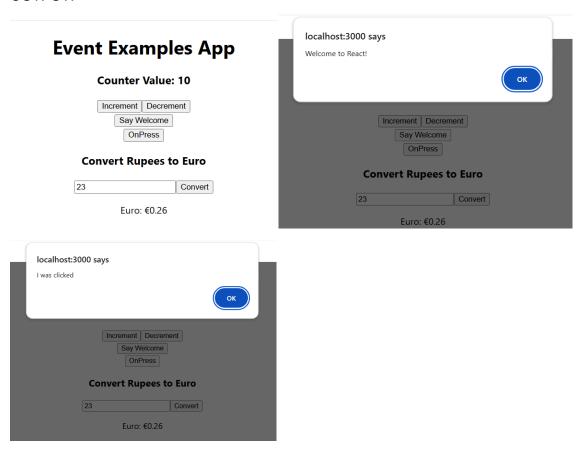
Create a "CurrencyConvertor" component which will convert the Indian Rupees to Euro when the Convert button is clicked.

Handle the Click event of the button to invoke the handleSubmit event and handle the conversion of the euro to rupees.

CurrencyConverter.js

App.js

OUTPUT:



Create a React Application named "ticketbookingapp" where the guest user can browse the page where the flight details are displayed whereas the logged in user only can book tickets.

The Login and Logout buttons should accordingly display different pages. Once the user is logged in the User page should be displayed. When the user clicks on Logout, the Guest page should be displayed.

GuestPage.js

UserPage.js

FlightList.js

LoginButton.js

```
import React from 'react';

const LoginButton = ({ onLogin }) => {
    return <button onClick={onLogin}>Login</button>;
};

export default LoginButton;
```

LogoutButton.js

```
import React from 'react';

const LogoutButton = ({ onLogout }) => {
    return <button onClick={onLogout}>Logout</button>;
};

export default LogoutButton;
```

App.js

```
import React, { useState } from 'react';
import GuestPage from './components/GuestPage';
import UserPage from './components/UserPage';
import LoginButton from './components/LoginButton';
import LogoutButton from './components/LogoutButton';
function App() {
 const [isLoggedIn, setIsLoggedIn] = useState(false);
  const handleLogin = () => setIsLoggedIn(true);
 const handleLogout = () => setIsLoggedIn(false);
    <div style={{ padding: '20px' }}>
     <h1>Ticket Booking App</h1>
      {isLoggedIn ? (
          <LogoutButton onLogout={handleLogout} />
          <LoginButton onLogin={handleLogin} />
          <GuestPage />
    </div>
export default App;
```

OUTPUT:

Ticket Booking App

Logout

Welcome User!

You can now book tickets:

- Delhi to Mumbai at 10:00 AM Book Ticket
- Kolkata to Chennai at 2:00 PM | Book Ticket |
- Bangalore to Pune at 6:30 PM Book Ticket

Ticket Booking App

Login

Welcome Guest!

Here are available flights:

- Delhi to Mumbai at 10:00 AM
- Kolkata to Chennai at 2:00 PM
- Bangalore to Pune at 6:30 PM

Create a React App named "bloggerapp" in with 3 components.

- 1. Book Details
- 2. Blog Details
- 3. Course Details

Implement this with as many ways possible of Conditional Rendering.

BookDetails.js

```
import React from 'react';
const BookDetails = () => {
 return (
  <div>
   <h2>Book Details</h2>
   Title: React for Beginners
   Author: Sparshak Ghosh
   Title: java expert
   Author: Sparshak Ghosh
   Title: Let us C
   Author: Sparshak Ghosh
  </div>
 );
};
export default BookDetails;
BlogDetails.js
import React from 'react';
```

const BlogDetails = () => {

return (

```
<div>
   <h2>Blog Details</h2>
   Topic: React Conditional Rendering
   Author: Sparshak Ghosh
   Topic: Mastering Java
   Author: Sparshak Ghosh
   Topic: The Future of Web Development
   Author: Sparshak Ghosh
  </div>
 );
};
export default BlogDetails;
CourseDetails.js
import React from 'react';
const CourseDetails = () => {
 return (
  <div>
   <h2>Course Details</h2>
   Course: React Mastery
   Duration: 4 weeks
   Course: Python Programming Masterclass
   Duration: 4 weeks
   Course: Ultimate AWS Certified Cloud Practitioner CLF-C02 2025
   Duration: 4 weeks
  </div>
 );
};
export default CourseDetails;
```

App.js

```
import React, { useState } from 'react';
import BookDetails from './components/BookDetails';
import BlogDetails from './components/BlogDetails';
import CourseDetails from './components/CourseDetails';
function App() {
 const [view, setView] = useState('book');
 return (
  <div style={{ padding: '20px' }}>
   <h1>BloggerApp</h1>
   <button onClick={() => setView('book')}>Show Book</button>
   <button onClick={() => setView('blog')}>Show Blog/button>
   <button onClick={() => setView('course')}>Show Course/button>
   {view === 'book' ? <BookDetails /> : null}
   {/* === 2. Logical AND rendering === */}
   {view === 'blog' && <BlogDetails />}
   {/* === 3. IIFE (Immediately Invoked Function Expression) === */}
   {(() => { if (view === 'course') return <CourseDetails />;})()}
  </div>
 );
}
export default App;
```

Output:

BloggerApp

Show Book | Show Blog | Show Course

Blog Details

Topic: React Conditional Rendering
Author: Sparshak Ghosh
Topic: Mastering Java
Author: Sparshak Ghosh
Topic: The Future of Web Development
Author: Sparshak Ghosh

BloggerApp

Show Book | Show Blog | Show Course

Book Details

Title: React for Beginners Author: Sparshak Ghosh Title: java expert

Author: Sparshak Ghosh

Title: Let us C

Author: Sparshak Ghosh

BloggerApp

Show Book | Show Blog | Show Course

Course Details

Course: React Mastery

Duration: 4 weeks

Course: Python Programming Masterclass

Duration: 4 weeks

Course: Ultimate AWS Certified Cloud Practitioner CLF-C02 2025

Duration: 4 weeks