**Define JSX**

JSX (JavaScript XML) is a syntax extension for JavaScript used with React to describe UI elements. It allows writing HTML-like code in JavaScript files. JSX is then transpiled into React.createElement calls.

**Explain about ECMA Script**

ECMAScript is a scripting language specification that standardizes JavaScript. ES6 and later versions introduced new features like arrow functions, let/const, classes, modules, and more.

**Explain React.createElement()**

React.createElement() is a method provided by React to create a virtual DOM element. JSX code is transpiled to React.createElement calls.

**Explain how to create React nodes with JSX**

React nodes can be created using JSX by writing HTML-like syntax inside a component's return statement. Example: return <h1>Hello</h1>;

**Define how to render JSX to DOM**

JSX elements are rendered to the DOM using ReactDOM.render(). For example: ReactDOM.render(<App />, document.getElementById('root'))

**Explain how to use JavaScript expressions in JSX**

JavaScript expressions can be embedded in JSX inside curly braces {}. For example: <h1>{user.name}</h1>

**Explain how to use inline CSS in JSX**

Inline CSS in JSX is applied using a style object. Example: <div style={{ color: 'red' }}>Text</div>

Create a React Application named “officespacerentalapp” which uses React JSX to create elements, attributes and renders DOM to display the page.

**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.**

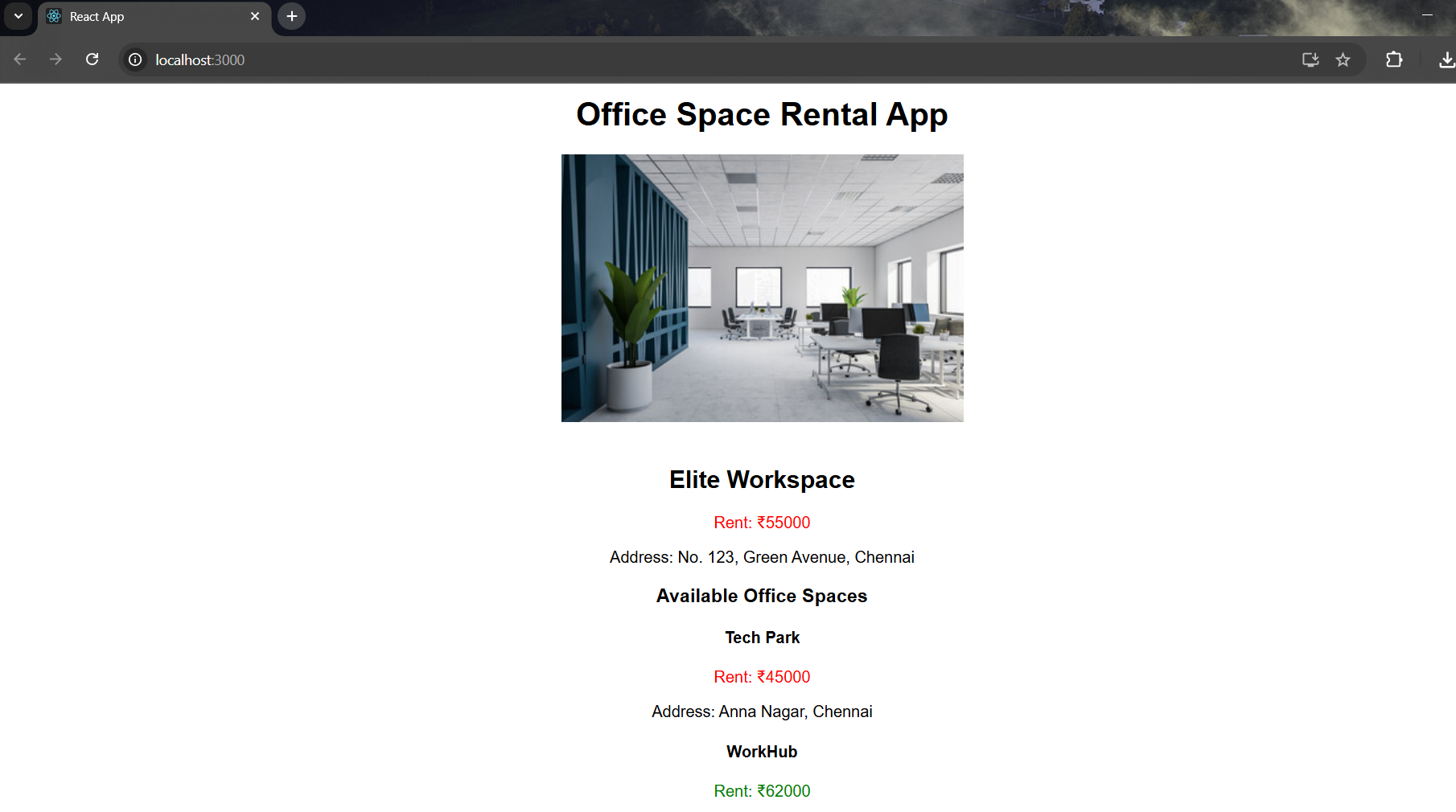
**Create a list of Object and loop through the office space item to display more data.**

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

**App.js**  
import React from 'react';  
import './App.css';  
import officeImg from './office.jpg'; // add your office image in src folder  
  
function App() {  
 const office = {  
 name: "Elite Workspace",  
 rent: 55000,  
 address: "No. 123, Green Avenue, Chennai"  
 };  
  
 const officeList = [  
 { name: "Tech Park", rent: 45000, address: "Anna Nagar, Chennai" },  
 { name: "WorkHub", rent: 62000, address: "T Nagar, Chennai" },  
 { name: "SpaceBay", rent: 70000, address: "Velachery, Chennai" }  
 ];  
  
 const rentStyle = (amount) => {  
 return {  
 color: amount < 60000 ? 'red' : 'green'  
 };  
 };  
  
 return (  
 <div className="App">  
 <h1>Office Space Rental App</h1>  
 <img src={officeImg} alt="Office" width="400" />  
 <h2>{office.name}</h2>  
 <p style={rentStyle(office.rent)}>Rent: ₹{office.rent}</p>  
 <p>Address: {office.address}</p>  
  
 <h3>Available Office Spaces</h3>  
 {officeList.map((o, index) => (  
 <div key={index} style={{ marginBottom: '15px' }}>  
 <h4>{o.name}</h4>  
 <p style={rentStyle(o.rent)}>Rent: ₹{o.rent}</p>  
 <p>Address: {o.address}</p>  
 </div>  
 ))}  
 </div>  
 );  
}  
  
export default App;

**App.css**  
.App {  
 text-align: center;  
 font-family: Arial, sans-serif;  
 padding: 20px;  
}  
  
img {  
 margin-bottom: 20px;  
}

**OUTPUT:**

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