React-10

**Project Title: OfficeSpaceRentalApp – React Application Using JSX**

**Objectives**

* Define **JSX** and its role in React.
* Explain the basics of **ECMAScript (ES)**.
* Describe the use of React.createElement().
* Demonstrate how to:
  + Create React nodes using JSX.
  + Render JSX elements to the DOM.
  + Embed JavaScript expressions within JSX.
  + Apply **inline CSS** styling using JSX.

**Learning Outcomes**

By the end of this hands-on lab, the learner will be able to:

* Create and render JSX elements in a React application.
* Apply conditional inline styling within JSX.
* Use JavaScript expressions inside JSX to display dynamic content.

**Prerequisites**

The following tools are required to complete this lab:

* Node.js
* NPM
* Visual Studio Code

**Estimated Time**

* Approximately 60 minutes.

**Implementation Instructions**

1. **Project Setup**
   * Create a new React application named officespacerentalapp using create-react-app.
2. **Page Elements Using JSX**
   * Create an element to render the **heading** of the page.
   * Add an **image** element to display an office space image using JSX attributes.
3. **Office Object and Display**
   * Define an object to represent office details such as:
     + Name
     + Rent
     + Address
4. **List of Offices**
   * Create a **list of office objects**.
   * Use a **loop (e.g., map())** to dynamically display multiple office items.
5. **Conditional Inline CSS Styling**
   * Apply **inline CSS** to the Rent value:
     + **Red color** if rent is **below 60,000**.
     + **Green color** if rent is **60,000 or above**.