

10.ReactJS-Handson

Initializing and creating npm-app

```
PS C:\Users\KIIT> npx create-react-app officespacerentalapp

Creating a new React app in C:\Users\KIIT\officespacerentalapp.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1324 packages in 2m

269 packages are looking for funding
  run 'npm fund' for details

Initialized a git repository.

Installing template dependencies using npm...

added 17 packages, and changed 1 package in 7s

269 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...

removed 1 package, and audited 1341 packages in 10s

269 packages are looking for funding
  run 'npm fund' for details

9 vulnerabilities (3 moderate, 6 high)

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.

Created git commit.

Success! Created officespacerentalapp at C:\Users\KIIT\officespacerentalapp
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd officespacerentalapp
  npm start


Happy hacking!
PS C:\Users\KIIT> cd officespacerentalapp
PS C:\Users\KIIT\officespacerentalapp> code .
```

Code in src/App.js


```
src > JS App.js > App > officeList
1  import React from 'react';
2
3  function App() {
4    // Office object
5    const office1 = {
6      name: "Green View Workspace",
7      rent: 50000,
8      address: "MG Road, Bangalore",
9      image: "https://via.placeholder.com/300x200?text=Office+1",
10   };
11
12   // Array of office spaces
13   const officelist = [
14     {
15       name: "Orchid Tower",
16       rent: 45000,
17       address: "Whitefield, Bangalore",
18       image: "https://via.placeholder.com/300x200?text=Office+2",
19     },
20     {
21       name: "Blue Nest Hub",
22       rent: 75000,
23       address: "Indiranagar, Bangalore",
24       image: "https://via.placeholder.com/300x200?text=Office+3",
25     },
26     {
27       name: "Sunrise Workspaces",
28       rent: 60000,
29       address: "Koramangala, Bangalore",
30       image: "https://via.placeholder.com/300x200?text=Office+4",
31     },
32   ];
```

```
34 // Function to get rent color
35 const getRentStyle = (rent) => {
36   return {
37     color: rent > 60000 ? 'green' : 'red',
38     fontWeight: 'bold'
39   };
40 };
41
42 return (
43   <div style={{ padding: '20px', fontFamily: 'Arial' }}>
44     /* JSX Heading */
45     <h1> 🏢 Office Space Rental Portal</h1>
46
47     /* JSX image */
48     <img src={office1.image} alt="Office" style={{ width: '300px', borderRadius: '10px' }} />
49     <h2>{office1.name}</h2>
50     <p style={getRentStyle(office1.rent)}>Rent: ₹{office1.rent}</p>
51     <p>Address: {office1.address}</p>
52
53     <hr />
54
55     <h2>Available Office Spaces:</h2>
56
57     /* JSX Loop + Expressions */
58     {officelist.map((office, index) => (
59       <div key={index} style={{ border: '1px solid #ccc', padding: '10px', marginBottom: '10px', borderRadius: '8px' }}>
60         <img src={office.image} alt="Office" style={{ width: '300px' }} />
61         <h3>{office.name}</h3>
62         <p style={getRentStyle(office.rent)}>Rent: ₹{office.rent}</p>
63         <p>Address: {office.address}</p>
64       </div>
65     ))}
66   </div>
67 );
68 }
69
70 export default App;
71
```

Output:



Office Space Rental Portal



Office

Green View Workspace

Rent: ₹50000

Address: MG Road, Bangalore

Available Office Spaces:



Orchid Tower

Rent: ₹45000

Address: Whitefield, Bangalore



Blue Nest Hub

Rent: ₹75000

Address: Indiranagar, Bangalore



Sunrise Workspaces

Rent: ₹60000

Address: Koramangala, Bangalore