**WEEK-6 React.JS HOL- 8**

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**Objectives**

**Explain React State**

React **State** is a built-in object that stores data specific to a component. It allows components to create and manage **dynamic data** that can change over time, such as user input, counts, or fetched data. When the state changes using setState(), React automatically **re-renders** the component to reflect the new values.

**8. Create a React App “counterapp” which will have a component named “CountPeople” which will have 2 methods.**

**UpdateEntry() 🡪 which will display the number of people who entered the mall.**

**UpdateExit() 🡪 which will display the number of people who exited the mall.**

**Use Constructor and state to Store the entrycount and exitcount.**

**The component has 2 buttons**

1. **Login 🡪 when clicked, the entrycount should get incremented by 1**
2. **Exit 🡪 when clicked, the exitcount should get incremented by 1**

**CountPeople.js**

import React from 'react';

class CountPeople extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      entryCount: 0,

      exitCount: 0

    };

  }

  updateEntry = () => {

    this.setState({ entryCount: this.state.entryCount + 1 });

  }

  updateExit = () => {

    this.setState({ exitCount: this.state.exitCount + 1 });

  }

  render() {

    const buttonStyle = {

      backgroundColor: 'lightgreen',

      border: '1px solid black',

      padding: '5px 10px',

      borderRadius: '5px',

      fontWeight: 'bold',

      marginRight: '10px',

      cursor: 'pointer'

    };

    const containerStyle = {

      display: 'flex',

      justifyContent: 'center',

      alignItems: 'center',

      marginTop: '100px',

      gap: '50px',

    };

    return (

      <div style={containerStyle}>

        <div>

          <button style={buttonStyle} onClick={this.updateEntry}>Login</button>

          <span>{this.state.entryCount} People Entered!!!</span>

        </div>

        <div>

          <button style={buttonStyle} onClick={this.updateExit}>Exit</button>

          <span>{this.state.exitCount} People Left!!!</span>

        </div>

      </div>

    );

  }

}

export default CountPeople;

**App.js**

import React from 'react';

import CountPeople from './CountPeople';

function App() {

  return (

    <div className="App">

      <CountPeople />

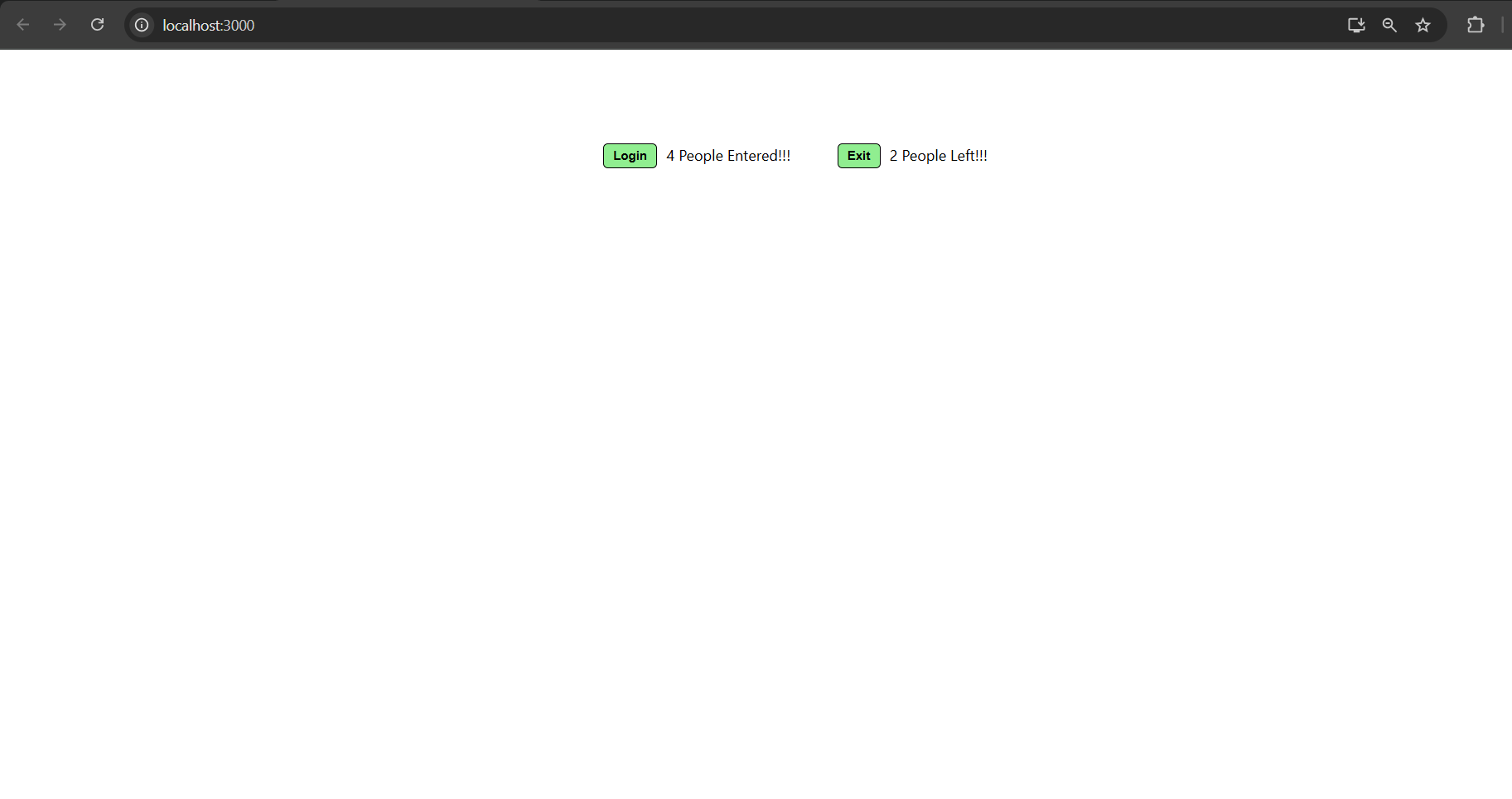
    </div>

  );

}

export default App;

**OUTPUT**

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