# ReactJS Hands-On Lab 8 - Solutions

## 1. Creating the React App

Run the following command to create the React app:  
npx create-react-app counterapp  
cd counterapp  
code .

## 2. Creating the CountPeople Component

Inside src/CountPeople.js:  
import React from 'react';  
  
class CountPeople extends React.Component {  
 constructor(props) {  
 super(props);  
 this.state = {  
 entryCount: 0,  
 exitCount: 0  
 };  
 }  
  
 updateEntry = () => {  
 this.setState(prevState => ({ entryCount: prevState.entryCount + 1 }));  
 };  
  
 updateExit = () => {  
 this.setState(prevState => ({ exitCount: prevState.exitCount + 1 }));  
 };  
  
 render() {  
 return (  
 <div>  
 <h2>Mall Entry/Exit Counter</h2>  
 <p>People Entered: {this.state.entryCount}</p>  
 <p>People Exited: {this.state.exitCount}</p>  
 <button onClick={this.updateEntry}>Login</button>  
 <button onClick={this.updateExit}>Exit</button>  
 </div>  
 );  
 }  
}  
  
export default CountPeople;

## 3. Using the Component in App.js

Inside src/App.js:  
import React from 'react';  
import CountPeople from './CountPeople';  
  
function App() {  
 return (  
 <div className="App">  
 <CountPeople />  
 </div>  
 );  
}  
  
export default App;

## 4. Output Layout

The application will display the number of people who entered and exited the mall. Two buttons allow interaction to increment the respective counts.