

8.React.js – HOL

1. React state

- Used to store dynamic data (like entrycount and exitcount) inside a component.
- Changes in state trigger re-rendering.

Command : npx create-react-app counterapp

CountPeople.js

```
import React, { Component } from "react";
```

```
import "./CountPeople.css";
```

```
class CountPeople extends Component {
```

```
  constructor() {
```

```
    super();
```

```
    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 className="container">

      <div className="card">

        <button className="button" onClick={this.updateEntry}>Login</button>

        <div className="text">{this.state.entrycount} People Entered!!!</div>

      </div>

      <div className="card">

        <button className="button" onClick={this.updateExit}>Exit</button>

        <div className="text">{this.state.exitcount} People Left!!!</div>

      </div>

    </div>

  );

}

}

export default CountPeople;

```

CountPeople.css

```

.container {

  display: flex;

```

```
justify-content: center;

align-items: center;

gap: 80px;

height: 100vh;

background: linear-gradient(to right, #f8f9fa, #e9ecef);

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}

.card {

background-color: #ffffff;

padding: 30px 40px;

border-radius: 12px;

box-shadow: 0 6px 20px rgba(0, 0, 0, 0.1);

text-align: center;

transition: transform 0.2s ease;
}

.card:hover {

transform: translateY(-4px);
}

.button {

background-color: #28a745;

color: white;

border: none;

padding: 10px 20px;

font-size: 16px;

border-radius: 8px;
```

```
    cursor: pointer;

    transition: background-color 0.3s ease;

    margin-bottom: 10px;
}

.button:hover {

    background-color: #218838;

}

.text {

    font-size: 18px;

    font-weight: 500;

    color: #333;

    margin-top: 10px;

}
```

App.js

```
import React from "react";

import CountPeople from "../CountPeople";

function App() {

    return <CountPeople />;

}

export default App;
```

Command : npm start

Output :

