**React HOL-8**

**Explain React State**

**React state** is a built-in object used to **store and manage dynamic data** in a component.

* It lets a component **"remember" information** (like count, input, or status).
* When state changes, the component **automatically re-renders** to reflect the new data.

**CountPeople.js**

import React from "react";

class CountPeople extends React.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 style={{textAlign: 'center', marginTop: '50px'}}>

<div style={{display: 'flex', justifyContent:'center', gap:'100px'}}>

<div>

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

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

</div>

<div>

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

<span>{this.state.exitcount}People Exited!!</span>

</div>

</div>

</div>

);

}

}

export default CountPeople;

**App.js**

import React from "react";

import CountPeople from "./Countpeople";

function App() {

return (

<div>

<CountPeople></CountPeople>

</div>

);

}

export default App;

**Output**

**A screenshot of a computer

AI-generated content may be incorrect.**