**Experiment-7: State in react.**

**Task 1: Create counter using CLASS COMPONENT:**

App.js

**import React from "react";**

**class App extends React.Component {**

**constructor(count) {**

**super(count);**

**this.state = {**

**count: 0,**

**};**

**}**

**increment = () => {**

**this.setState((prevState) => ({**

**count: prevState.count + 1,**

**}));**

**};**

**decrement = () => {**

**this.setState((prevState) => ({**

**count: prevState.count - 1,**

**}));**

**};**

**render() {**

**return (**

**<div>**

**<h1>**

**Count is :{" "}**

**{this.state.count}**

**</h1>**

**<button onClick={this.increment}>**

**+**

**</button>**

**<button onClick={this.decrement}>**

**-**

**</button>**

**</div>**

**);**

**}**

**}**

**export default App;**

**Task 2: Create counter using FUNCTIONAL COMPONENT:**

**useState declares a state variable that you can update directly.**

**import React from "react";**

**import { useState } from "react";**

**function App() {**

**const [count, setCount] = useState(0);**

**const increment = () => {**

**setCount(count + 1);**

**};**

**const decrement = () => {**

**setCount(count - 1);**

**};**

**return (**

**<div className="app">**

**<div>**

**<h1>**

**Count is :{count}**

**</h1>**

**<button onClick={increment}>**

**+**

**</button>**

**<button onClick={decrement}>**

**-**

**</button>**

**</div>**

**</div>**

**);**

**}**

**export default App;**