**Classroom Activity: Counter Master Using State-in-Class Components.**

While functional components and hooks (like useState) are recommended in modern React development, it's useful to see how the state was traditionally managed in class components.

**Code:**

File Name: src/App.js

import React, { Component } from 'react';

import './App.css';

class Counter extends Component {

  constructor(props) {

    super(props);

    this.state = { count: 0 };

  }

  handleClickIncrement = () => {

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

  };

  handleClickDecrement = () => {

    this.setState({ count: this.state.count - 1 });

  };

  render() {

    return (

      <div>

        <h1>{this.state.count}</h1>

        <button onClick={this.handleClickIncrement}>

          +

        </button>

        <button onClick={this.handleClickDecrement}>

          -

        </button>

      </div>

    );

  }

}

export default Counter;

File Name: src/App.css

|  |
| --- |
| .App {    text-align: center;  }  /\* Center the counter in the middle of the page \*/  body {    display: flex;    justify-content: center;    align-items: center;    height: 100vh;    margin: 0;    font-family: Arial, sans-serif;    background-color: #f5f5f5;  }  /\* Style for the main container \*/  div {    text-align: center;    background: white;    padding: 20px;    border-radius: 8px;    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  }  /\* Style for the heading \*/  h1 {    font-size: 4rem;    margin: 20px 0;    color: #333;  }  /\* Style for the buttons \*/  button {    font-size: 2rem;    margin: 5px;    padding: 10px 20px;    border: none;    border-radius: 5px;    cursor: pointer;    background-color: #007bff;    color: white;    transition: background-color 0.3s;  }  /\* Hover effect for buttons \*/  button:hover {    background-color: #0056b3;  } |

**OUTPUT**

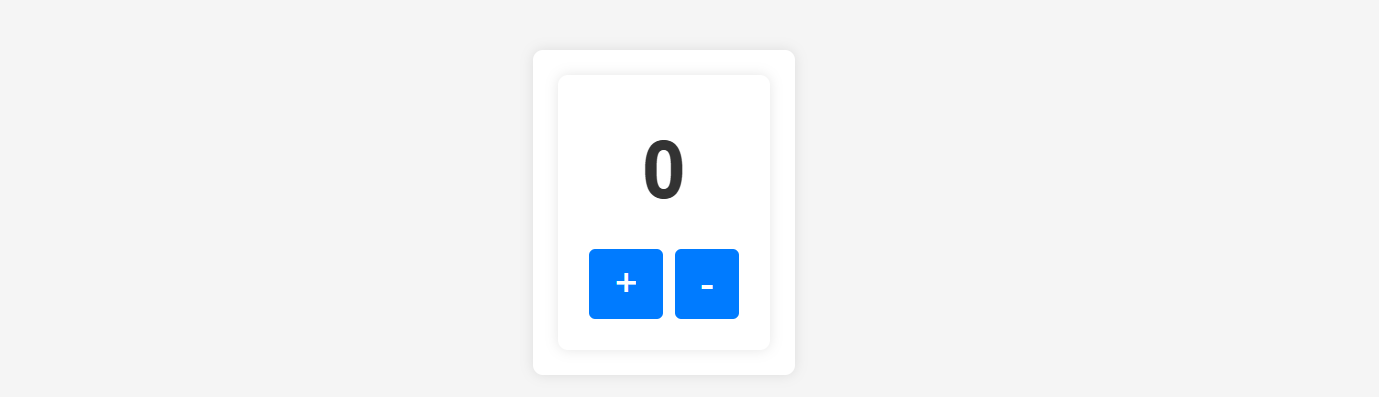
****

Figure: Output Screenshot 1

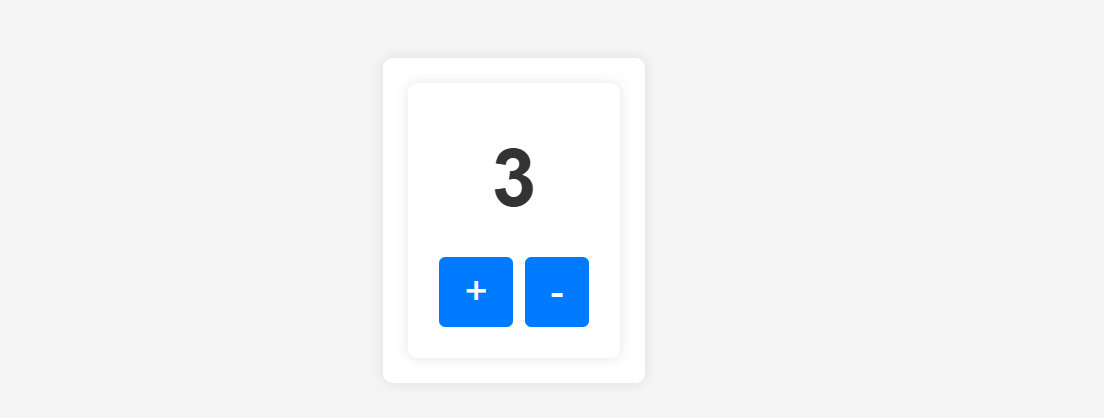


Figure: Output Screenshot 2

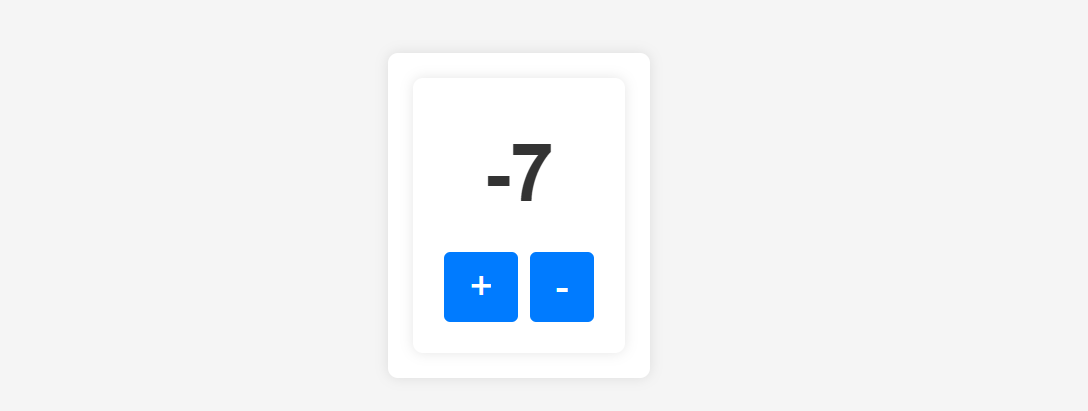


Figure: Output Screenshot 3

**Execution Steps:**

* Write the above code in App.js File
* Go to VS Code terminal
* Execute following command to run the program: npm start
* This will open your default browser and navigate to http://localhost:3000, where you will see your new React application running.