**Classroom Activity: Increment Count and Value of a counter using callBack**

**Code :**

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| --- |
| import React, { useState, useCallback } from 'react';  const CounterWithCallback = () => {  const [count, setCount] = useState(0);  const [value, setValue] = useState(0);  // Memoized callback to increment both count and value  const incrementBoth = useCallback(() => {  setCount(prevCount => prevCount + 1);  setValue(prevValue => prevValue + 1);  }, []);  // Memoized callback to decrement both count and value  const decrementBoth = useCallback(() => {  setCount(prevCount => prevCount - 1);  setValue(prevValue => prevValue - 1);  }, []);  return (  <div>  <h1>Counter with Callback</h1>  <p>Count: {count}</p>  <p>Value: {value}</p>  <button onClick={incrementBoth}>Increment Both</button>  <button onClick={decrementBoth}>Decrement Both</button>  </div>  );  };  export default CounterWithCallback; |

### **Update App.js**

Make sure App.js imports and uses the CounterWithCallback component.

**code:**

|  |
| --- |
| import React from 'react';  import CounterWithCallback from './CounterWithCallback';  function App() {  return (  <div className="App">  <header className="App-header">  <h1>My React App</h1>  <CounterWithCallback />  </header>  </div>  );  }  export default App; |

### **Output**

**Execution Steps**

1. Create CounterWithCallback.js:
   * Navigate to the src folder in your project directory.
   * Create a file named CounterWithCallback.js.
   * Write the code for the CounterWithCallback component in this file.
2. Update App.js:
   * Replace the contents of App.js with the code to import and use the CounterWithCallback component.
3. Save the Files:
   * Ensure that both CounterWithCallback.js and App.js are saved after making the changes.
4. Run Your React App:
   * Open your terminal
   * Navigate to the project directory and run the command: npm start
5. View the Output:
   * Open your browser and go to http://localhost:3000.
   * You should see the counter with buttons to increment both the count and the value.