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T11-03

**Subject** : IP Lab 8

**Topic** : Implement concept of React Hooks (use states, use effect)

Assignment - 8

**Roll No** : 40

AIM: Write a React program to implement React hooks

**Program** :

Counter.js –

// src/Counter.js

import React, { useState, useEffect } from 'react';

const Counter = () => {

// State to keep track of count

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

// useEffect to log count changes useEffect(() => {

console.log(`Count has been updated to: ${count}`);

// Cleanup function (optional) return () => {

console.log(`Cleaning up: count was ${count}`);

};

}, [count]); // Dependency array - runs effect only when 'count' changes

return (

<div style={{ textAlign: 'center', marginTop: '50px' }}>

<h1>Counter: {count}</h1>

<button onClick={() => setCount(count + 1)} style={{ marginRight: '10px' }}> Increment

</button>

<button onClick={() => setCount(count - 1)} style={{ marginRight: '10px' }}> Decrement

</button>

<button onClick={() => setCount(0)}> Reset

</button>

</div>

);

};

export default Counter;

App.js –

// src/App.js

import React from 'react'; import './App.css';

import Counter from './Counter';

const App = () => { return (

<div className="App">

<h1 style={{ textAlign: 'center' }}>React Hooks Example</h1>

<Counter />

</div>

);

};

export default App;

**Output** :

