

Subject code & Name	:	<b>CSE304 &amp; Full Stack Development</b>	Practical	:	<b>4</b>	Academic Year	:	<b>2024-25</b>
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## Task - 4

### Aim

Create a Counter App that includes the functionality of Increment, Decrement, Reset, and Increment Five. The app also has two text boxes for first and surname names, the contents of which are shown as text on the same page. Utilize the React Hooks idea

### Code

#### Practical\_4.js

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

const CounterApp = () => {
  const [count, setCount] = useState(0);
  const [firstName, setFirstName] = useState("");
  const [surname, setSurname] = useState("");

  const increment = () => setCount(count + 1);
  const decrement = () => setCount(count - 1);
  const reset = () => setCount(0);
  const incrementFive = () => setCount(count + 5);

  return (
    <div style={styles.container}>
      <h1>Count: {count}</h1>
      <div style={styles.controls}>
        <button onClick={reset} style={styles.button}>Reset</button>
        <button onClick={increment} style={styles.button}>Increment</button>
        <button onClick={decrement} style={styles.button}>Decrement</button>
        <button onClick={incrementFive} style={styles.button}>Increment 5</button>
      </div>
      <h2>Welcome to CHARUSAT!!!</h2>
      <div style={styles.inputContainer}>
        <label>
          First Name:
          <input
            type="text"
            value={firstName}
            onChange={(e) => setFirstName(e.target.value)}
            style={styles.input}
          />
        </label>
        <label>
```

```
      Last Name:
      <input
        type="text"
        value={surname}
        onChange={(e) => setSurname(e.target.value)}
        style={styles.input}
      />
    </label>
  </div>
  <div style={styles.displayNames}>
    <p>First Name: {firstName}</p>
    <p>Last Name: {surname}</p>
  </div>
</div>
);
};

const styles = {
  container: {
    display: 'flex',
    flexDirection: 'column',
    alignItems: 'center',
    justifyContent: 'center',
    height: '100vh',
    backgroundColor: '#f0f0f0',
    fontFamily: 'Arial, sans-serif',
    textAlign: 'center',
  },
  controls: {
    display: 'flex',
    justifyContent: 'center',
    margin: '1rem 0',
  },
  button: {
    fontSize: '1rem',
    padding: '0.5rem 1rem',
    margin: '0 0.5rem',
  },
  inputContainer: {
    display: 'flex',
    flexDirection: 'column',
    alignItems: 'center',
    marginBottom: '1rem',
  },
  input: {
    fontSize: '1rem',
```

```
padding: '0.5rem',  
margin: '0.5rem 0',  
width: '200px',  
display: 'block',  
},  
displayNames: {  
  fontSize: '1.2rem',  
  textAlign: 'center',  
},  
};  
  
export default CounterApp;
```

**App.js**

```
import './App.css';  
import CounterApp from './components/Practical_4';  
  
function App() {  
  return (  
    <div className="App">  
      <CounterApp/>  
    </div>  
  );  
}  
  
export default App;
```

**Output****Signature :**