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***REPORT #: W:6,D:7***

***TASK TITLE Mini Project: Simple Counter, Input Form or Color Picker App***

### 🛠️ Mini Project Report

**Project Name:** Simple Counter / Input Form / Color Picker App  
**Tools Used:** React (JSX, useState, event handling)  
**Goal:** Practice **state management**, **form handling**, and **UI interactivity** in React.

### 🔢 1. Simple Counter

* **Functions**:
  + Increase/decrease/reset count
  + Display real-time value
* **Key Concepts**:
  + useState, onClick

#### ✅ Example:

function Counter() {

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

return (

<>

<p>Count: {count}</p>

<button onClick={() => setCount(count + 1)}>+</button>

<button onClick={() => setCount(count - 1)}>-</button>

</>

);

}

### 📝 2. Input Form

* **Functions**:
  + Accept user input
  + Show live preview
* **Key Concepts**:
  + useState, onChange, controlled components

#### ✅ Example:

function InputForm() {

const [text, setText] = useState("");

return (

<>

<input value={text} onChange={(e) => setText(e.target.value)} />

<p>You typed: {text}</p>

</>

);

}

### 🎨 3. Color Picker App

* **Functions**:
  + Pick a color from input
  + Change background color live
* **Key Concepts**:
  + useState, input[type=color]

#### ✅ Example:

function ColorPicker() {

const [color, setColor] = useState("#000000");

return (

<div style={{ backgroundColor: color, padding: "50px" }}>

<input type="color" onChange={(e) => setColor(e.target.value)} />

</div>

);

}