Activity-5

```jsx
import React, { useState, useEffect, useContext } from 'react';

const ThemeContext = React.createContext();

const themes = {
  light: {
    background: '#ffffff',
    color: '#000000',
  },
  dark: {
    background: '#000000',
    color: '#ffffff',
  },
};

function ThemeProvider({ children }) {
  const [theme, setTheme] = useState(themes.light);

  const toggleTheme = () => {
    setTheme((prevTheme) =>
      prevTheme === themes.light ? themes.dark : themes.light
    );
  };

  return (
    <ThemeContext.Provider value={{ theme, toggleTheme }}>
      {children}
    </ThemeContext.Provider>
  );
}

function Counter() {
  const [counter, setCounter] = useState(0);

  useEffect(() => {
    console.log(`Counter value changed: ${counter}`);
  }, [counter]);

  const { theme, toggleTheme } = useContext(ThemeContext);

  return (
    <div style={{ background: theme.background, color: theme.color,
padding: '20px' }}>
      <h1>Counter: {counter}</h1>
```

```jsx
      <button onClick={() => setCounter(counter + 1)}>Increase
Counter</button>
      <button onClick={() => setCounter(counter - 1)}>Decrease
Counter</button>
      <br></br>
      <button onClick={toggleTheme} style={{ marginLeft: '10px' }}>
        Switch Theme
      </button>
    </div>
  );
}

function App1() {
  return (
    <ThemeProvider>
      <Counter />
    </ThemeProvider>
  );
}

export default App1;
```