**React Application - eventexamplesapp**

**Step 1 :** Create a react application using the command  **npx create-react-app eventexamplesapp** and navigate to the project folder using cd command.

**Step 2 : App.js**

import React, { useState } from "react";

function EventExamplesApp() {

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

  const [message, setMessage] = useState("");

  // Increment function

  const increment = () => {

    setCount((prev) => prev + 1);

  };

  // Say Hello function

  const sayHello = () => {

    alert("Hello! This is a static message.");

  };

  // Combined function to call multiple methods on Increment button click

  const handleIncrement = () => {

    increment();

    sayHello();

  };

  // Decrement function

  const decrement = () => {

    setCount((prev) => prev - 1);

  };

  // Welcome function with argument

  const sayWelcome = (msg) => {

    alert(msg);

  };

  // Synthetic event handler for the third button

  const handleClick = () => {

    alert("I was clicked");

  };

  return (

    <div style={{ padding: "20px", fontFamily: "Arial, sans-serif" }}>

      <h1>Event Examples App</h1>

      <div style={{ marginBottom: "20px" }}>

        <h2>Counter: {count}</h2>

        <button onClick={handleIncrement} style={{ marginRight: "10px" }}>

          Increment

        </button>

        <button onClick={decrement}>Decrement</button>

      </div>

      <div style={{ marginBottom: "20px" }}>

        <button onClick={() => sayWelcome("Welcome!")}>Say Welcome</button>

      </div>

      <div style={{ marginBottom: "20px" }}>

        <button onClick={handleClick}>Click Me</button>

      </div>

      <CurrencyConvertor />

    </div>

  );

}

function CurrencyConvertor() {

  const [rupees, setRupees] = useState("");

  const [euros, setEuros] = useState(null);

  const handleSubmit = (e) => {

    e.preventDefault();

    const conversionRate = 0.011;

    const converted = parseFloat(rupees) \* conversionRate;

    if (isNaN(converted)) {

      setEuros("Invalid input");

    } else {

      setEuros(converted.toFixed(2));

    }

  };

  return (

    <div>

      <h2>Currency Convertor (INR to Euro)</h2>

      <form onSubmit={handleSubmit}>

        <input

          type="number"

          placeholder="Enter amount in INR"

          value={rupees}

          onChange={(e) => setRupees(e.target.value)}

          required

          style={{ marginRight: "10px" }}

        />

        <button type="submit">Convert</button>

      </form>

      {euros !== null && (

        <p>

          {isNaN(euros)

            ? euros

            : `${rupees} Indian Rupees = ${euros} Euro(s)`}

        </p>

      )}

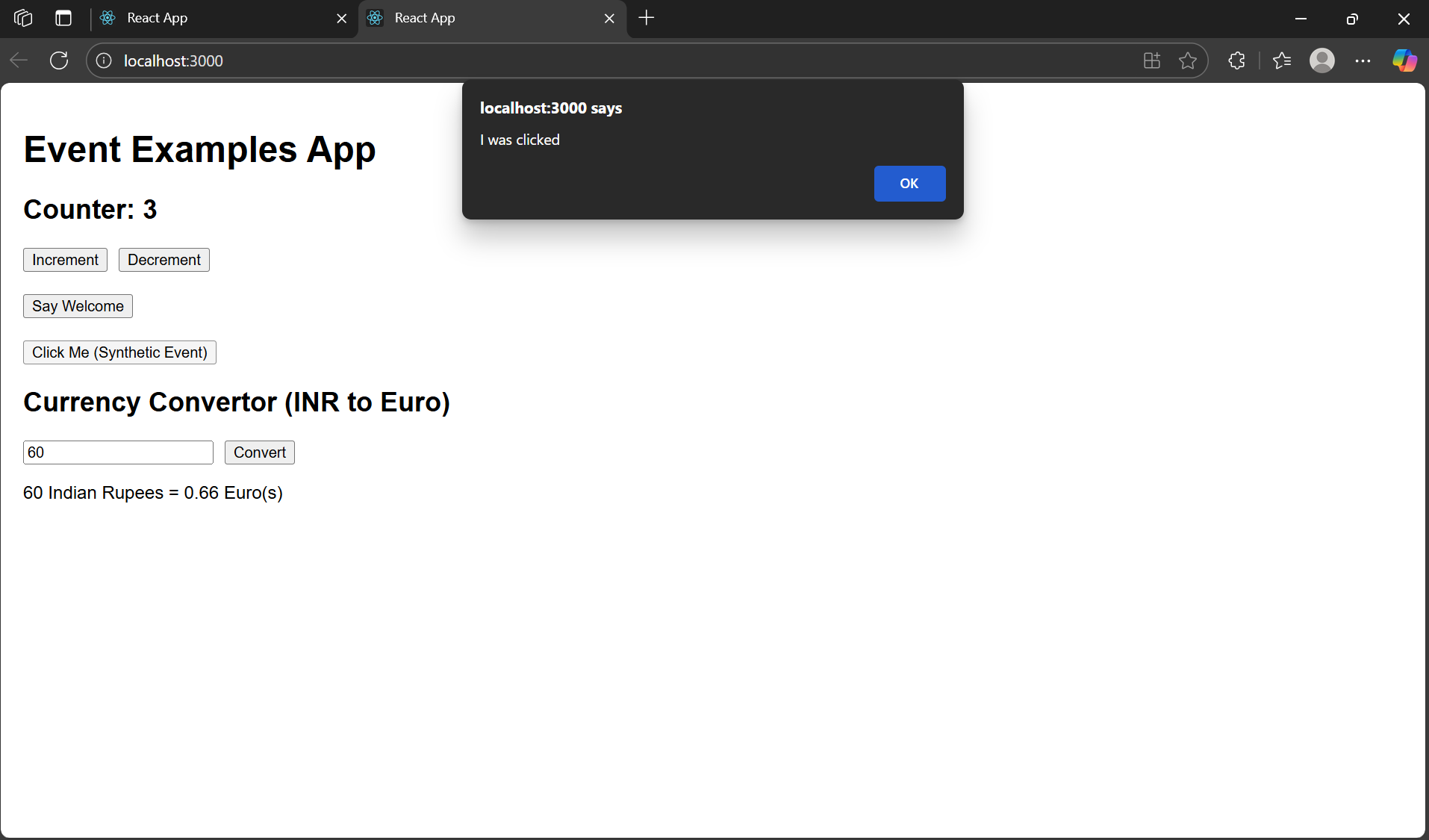
    </div>

  );

}

export default EventExamplesApp;

**Step 3 :** Run the command **npm start** to execute the React application and view it in action.

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