**Exercise- 11**

**Step 1: First create a folder named** eventexamplesapp.

**Step 2: Now in the terminal write the location of your folder and then write “npx create-react-app .” in your terminal.**

**Step 3: Now write ‘npm start’ in the terminal.**

**Step 4: Set up the Folder Structure**

Create the following component files inside src/:

* Counter.js
* SayWelcome.js
* ClickEvent.js
* CurrencyConverter.js
* Codes:
* Counter.js:

import React, { useState } from 'react';

function Counter() {

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

  const increment = () => {

    setCount(prev => prev + 1);

    sayHello();

  };

  const sayHello = () => {

    console.log("Hello! This is an increment message.");

  };

  const decrement = () => {

    setCount(prev => prev - 1);

  };

  return (

    <div>

      <h2>Counter: {count}</h2>

      <button onClick={increment}>Increment</button>

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

    </div>

  );

}

export default Counter;

* SayWelcome.js

import React from 'react';

function SayWelcome() {

  const greet = (message) => {

    alert(message);

  };

  return (

    <div>

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

    </div>

  );

}

export default SayWelcome;

* ClickEvent.js

import React from 'react';

function ClickEvent() {

  const handleClick = (e) => {

    alert("I was clicked");

  };

  return (

    <div>

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

    </div>

  );

}

export default ClickEvent;

* CurrencyConverter.js

import React, { useState } from 'react';

function CurrencyConverter() {

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

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

  const handleSubmit = (e) => {

    e.preventDefault();

    const euroValue = (parseFloat(rupees) / 90).toFixed(2); // Approx conversion

    setEuros(euroValue);

  };

  return (

    <div>

      <h2>Currency Converter</h2>

      <form onSubmit={handleSubmit}>

        <input

          type="number"

          value={rupees}

          placeholder="Enter Rupees"

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

        />

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

      </form>

      {euros && <p>Equivalent Euros: €{euros}</p>}

    </div>

  );

}

export default CurrencyConverter;

**Step 5: Make changes in the App.js:**

import React, { useState } from 'react';

import './App.css';

function App() {

  const [count, setCount] = useState(1);

  const [amount, setAmount] = useState('');

  const [currency, setCurrency] = useState('Euro');

  const sayWelcome = () => {

    alert('Welcome to Currency Converter App!');

  };

  const handleClick = () => {

    alert('You clicked me!');

  };

  const handleSubmit = (e) => {

    e.preventDefault();

    const rate = 80; // 1 Euro = ₹80

    const converted = amount \* rate;

    alert(`Converting to ${currency} Amount is ₹${converted}`);

  };

  return (

    <div className="app-container">

      <h1 className="title">Event Examples App</h1>

      <div className="card">

        <h2>Counter: {count}</h2>

        <div className="btn-group">

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

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

        </div>

      </div>

      <div className="card">

        <h2>Greetings</h2>

        <button onClick={sayWelcome}>Say Welcome</button>

        <button onClick={handleClick}>Click on me</button>

      </div>

      <div className="card converter">

        <h2>💱 Currency Converter</h2>

        <form onSubmit={handleSubmit}>

          <label>

            Amount:

            <input

              type="number"

              value={amount}

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

              required

            />

          </label>

          <label>

            Currency:

            <select value={currency} onChange={(e) => setCurrency(e.target.value)}>

              <option value="Euro">Euro</option>

              <option value="Dollar">Dollar</option>

              <option value="Pound">Pound</option>

            </select>

          </label>

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

        </form>

      </div>

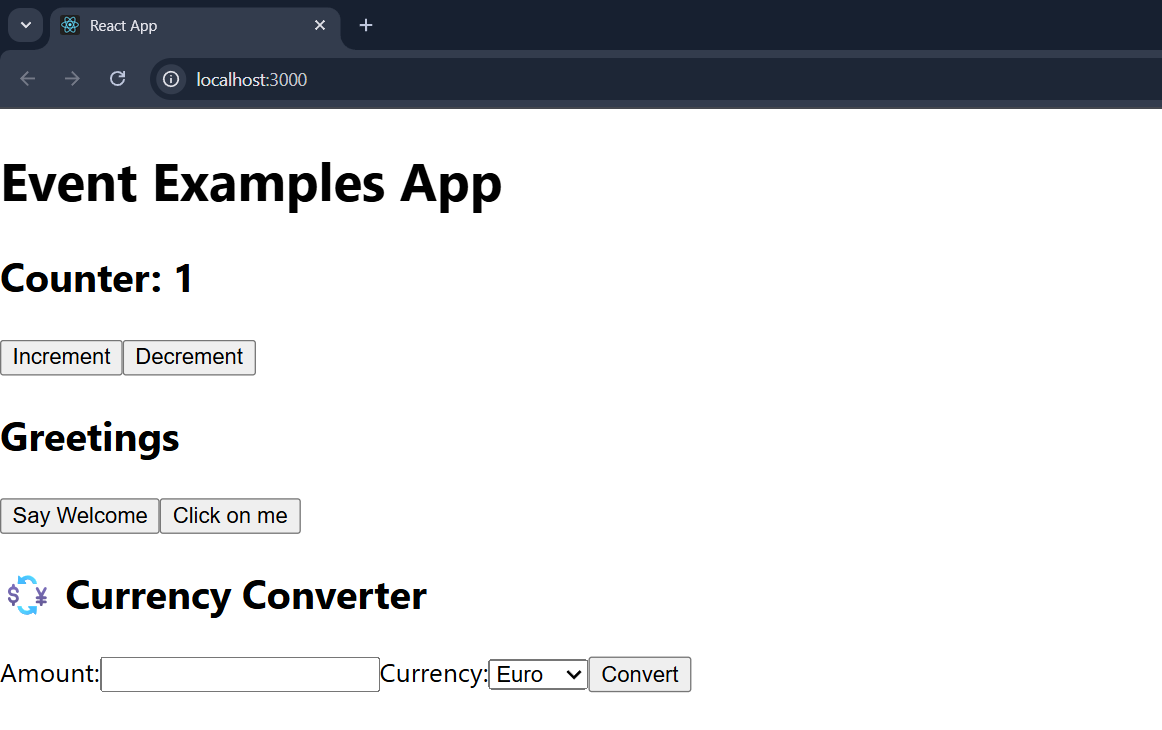
    </div>

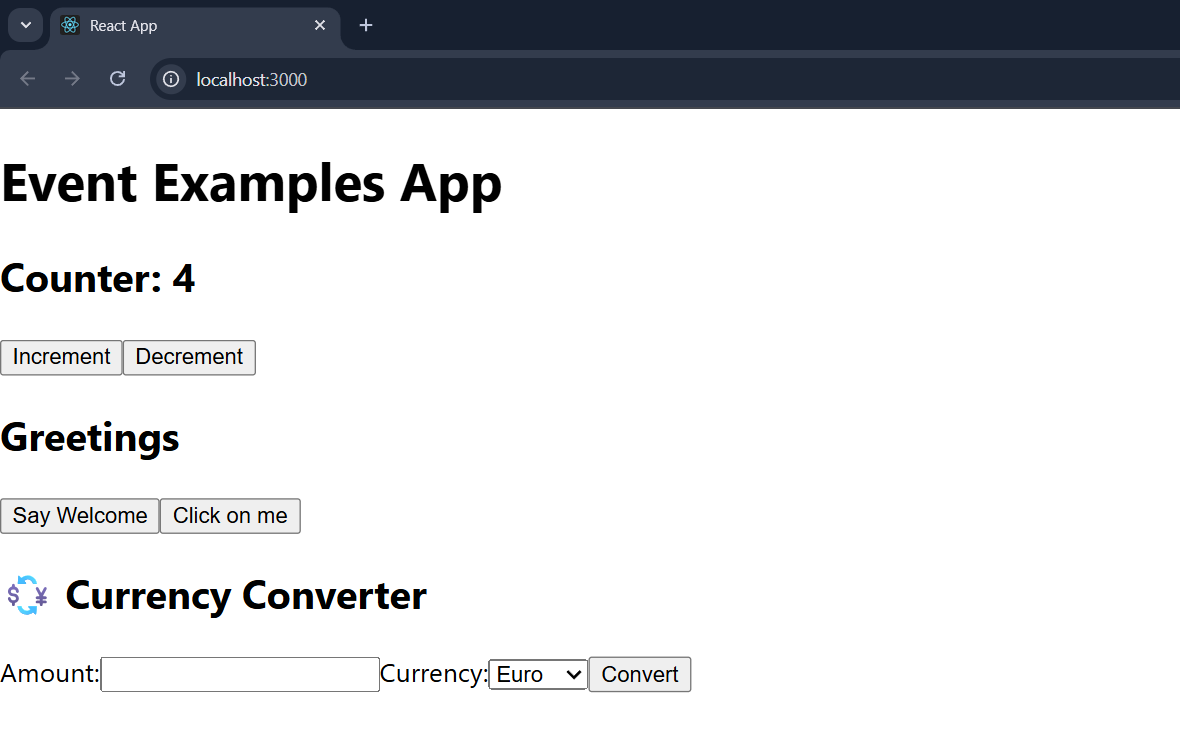
  );

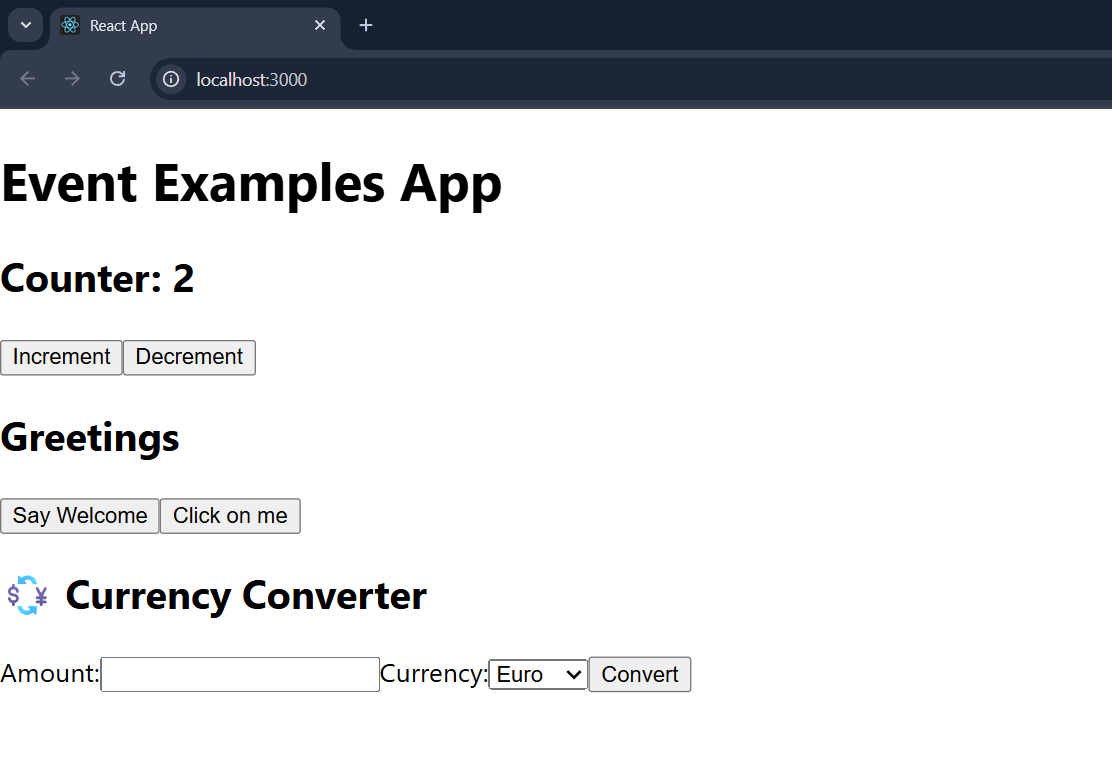
}

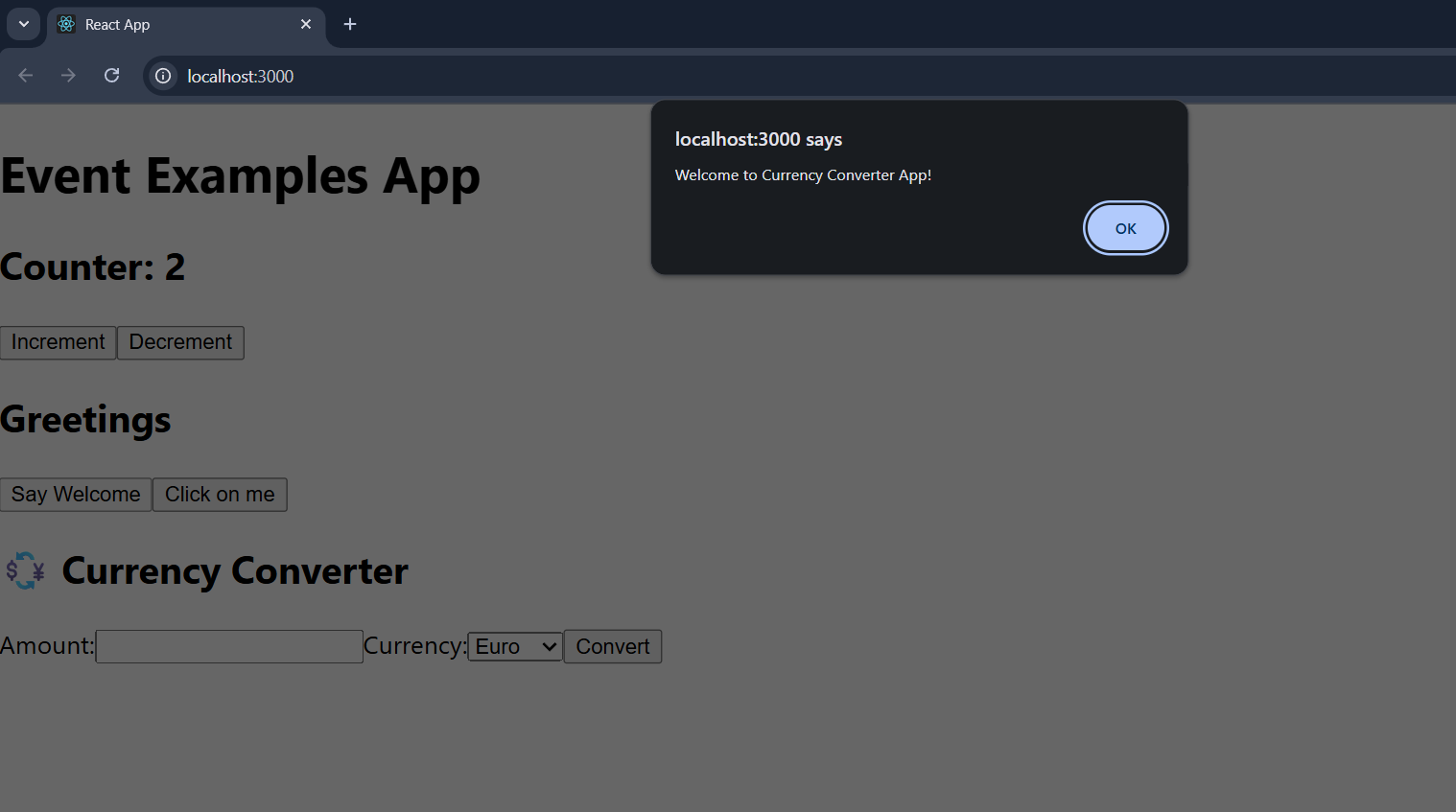
export default App;

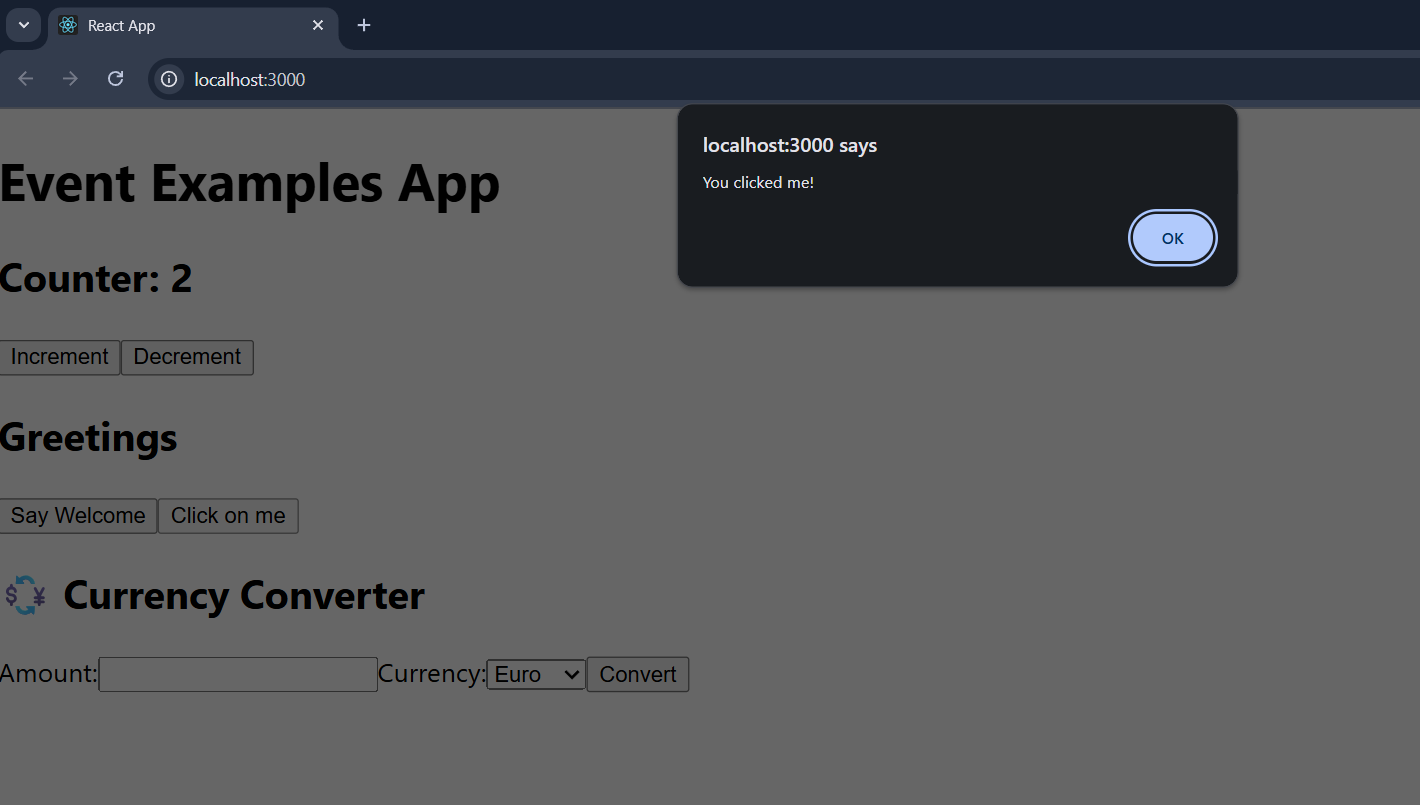
**OUTPUT:**

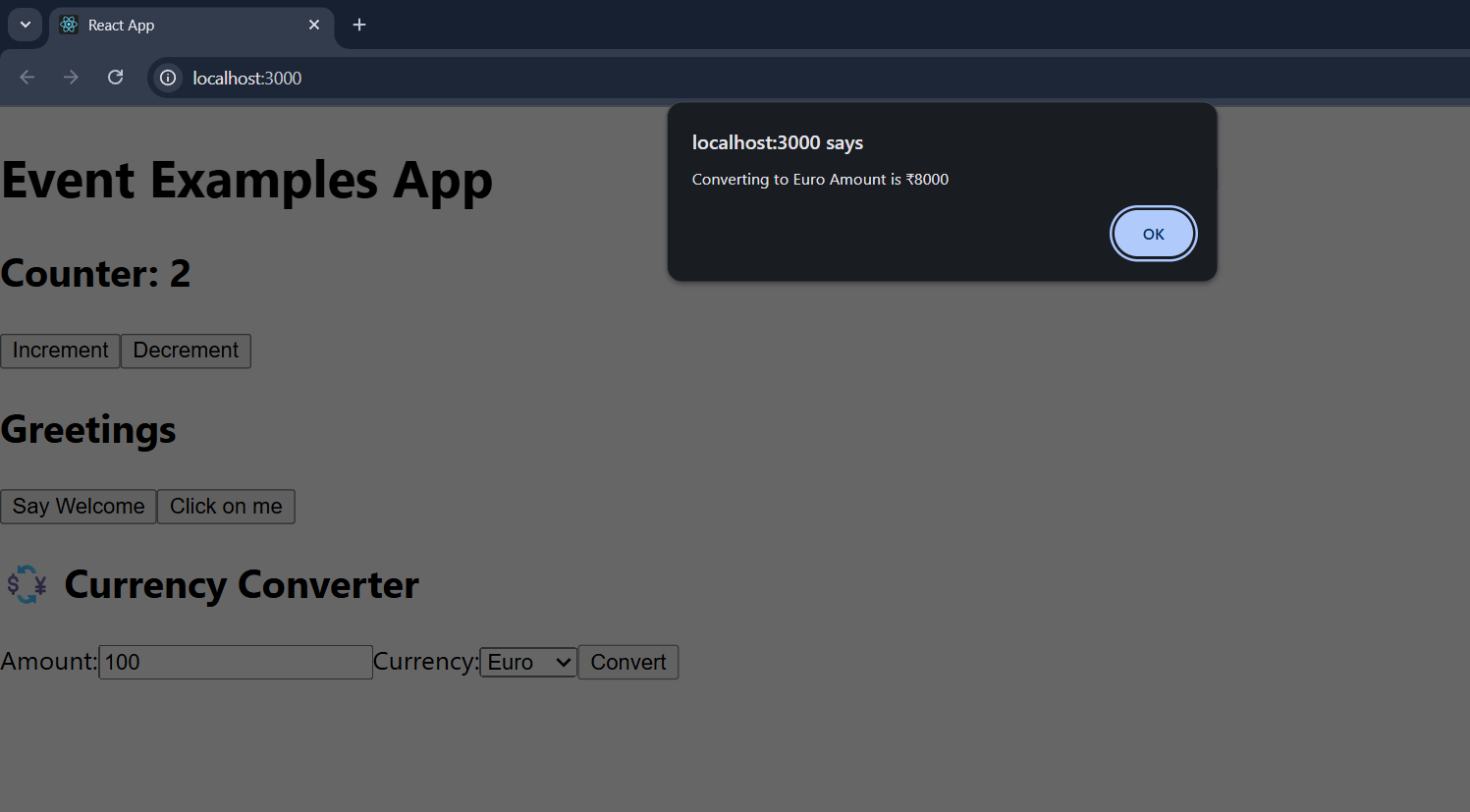
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