**11. React-HOL :**

**Eventsexampleapp:**

**App.js :**

import React, { Component } from "react";

import CurrencyConvertor from "./CurrencyConvertor";

class App extends Component {

constructor(props) {

super(props);

this.state = {

count: 0,

};

// Binding required when using class components

this.increment = this.increment.bind(this);

this.sayHello = this.sayHello.bind(this);

this.handleWelcome = this.handleWelcome.bind(this);

}

// Increment counter

increment() {

this.setState({ count: this.state.count + 1 });

this.sayHello();

}

// Decrement counter

decrement = () => {

this.setState({ count: this.state.count - 1 });

};

// Helper method

sayHello() {

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

}

// Say welcome with argument

handleWelcome(message) {

alert(`Say ${message}`);

}

// Synthetic event handler

handleSyntheticEvent = (e) => {

e.preventDefault();

alert("I was clicked!");

};

render() {

return (

<div style={{ textAlign: "center", marginTop: "50px" }}>

<h2>React Event Handling Examples</h2>

<h3>Counter Value: {this.state.count}</h3>

<button onClick={this.increment}>Increment</button>{" "}

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

<br /><br />

<button onClick={() => this.handleWelcome("Welcome")}>

Say Welcome

</button>

<br /><br />

<button onClick={this.handleSyntheticEvent}>Synthetic Event</button>

<br /><br />

<CurrencyConvertor />

</div>

);

}

}

export default App;

**CurrencyConvertor.js :**

import React, { useState } from "react";

function CurrencyConvertor() {

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

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

const handleSubmit = (e) => {

e.preventDefault();

const conversionRate = 0.011; // Example: 1 INR = 0.011 EUR

const result = (rupees \* conversionRate).toFixed(2);

setEuros(result);

};

return (

<div style={{ marginTop: "30px" }}>

<h3>Currency Converter</h3>

<form onSubmit={handleSubmit}>

<input

type="number"

value={rupees}

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

placeholder="Enter amount in INR"

required

/>

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

</form>

{euros && (

<p>

₹{rupees} INR = €{euros} EUR

</p>

)}

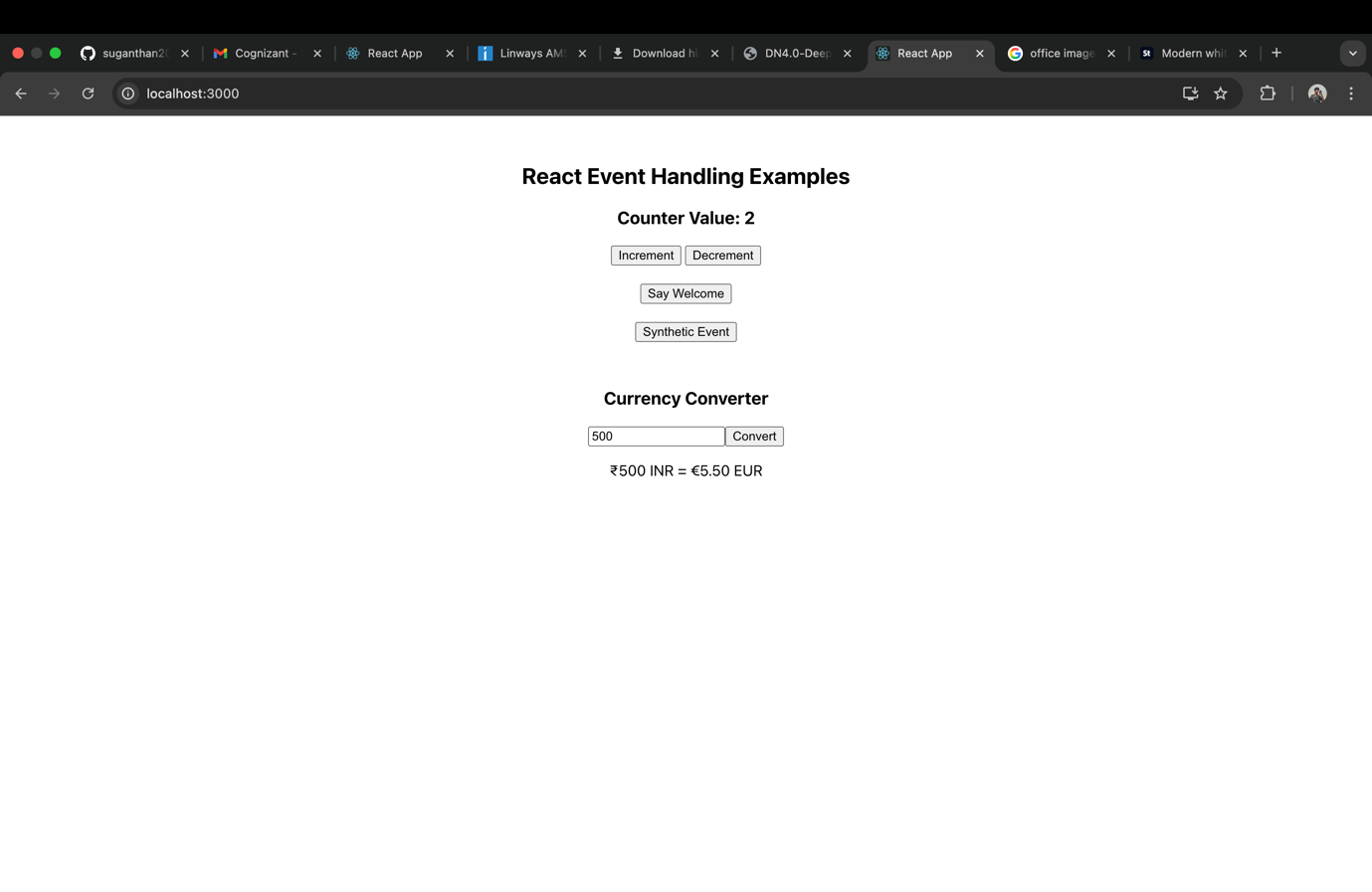
</div>

);

}

export default CurrencyConvertor;

**Output :**

****