**11. ReactJS-HOL**

**Create a React Application “eventexamplesapp” to handle various events of the form elements in HTML.**

**Counter.js**

// src/components/Counter.js

import React, { Component } from "react";

class Counter extends Component {

constructor(props) {

super(props);

this.state = { count: 0 };

// Bind methods

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

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

this.handleIncrement = this.handleIncrement.bind(this);

}

increment() {

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

}

sayHello() {

alert("Hello! Keep clicking!");

}

handleIncrement() {

this.increment();

this.sayHello();

}

decrement = () => {

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

};

render() {

return (

<div>

<h2>Counter Value: {this.state.count}</h2>

<button onClick={this.handleIncrement}>Increment</button>

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

</div>

);

}

}

export default Counter;

**WelcomeButton.js**

// src/components/WelcomeButton.js

import React from "react";

function sayWelcome(message) {

alert("Say " + message);

}

const WelcomeButton = () => {

return (

<div>

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

</div>

);

};

export default WelcomeButton;

**CurrencyConvertor.js**

// src/components/CurrencyConvertor.js

import React, { useState } from "react";

const CurrencyConvertor = () => {

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

const [euro, setEuro] = useState("");

const handleSubmit = (e) => {

e.preventDefault();

const converted = parseFloat(rupees) / 90; // Assume 1 Euro = ₹90

setEuro(converted.toFixed(2));

};

return (

<div>

<h3>Currency Convertor</h3>

<form onSubmit={handleSubmit}>

<input

type="number"

placeholder="Enter Rupees"

value={rupees}

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

/>

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

</form>

<p>Converted to Euro: €{euro}</p>

</div>

);

};

export default CurrencyConvertor;

**App.js**

// src/App.js

import React from "react";

import Counter from "./components/Counter";

import WelcomeButton from "./components/WelcomeButton";

import SyntheticEventButton from "./components/SyntheticEventButton";

import CurrencyConvertor from "./components/CurrencyConvertor";

function App() {

return (

<div className="App">

<h1>Event Examples App</h1>

<Counter />

<WelcomeButton />

<SyntheticEventButton />

<CurrencyConvertor />

</div>

);

}

export default App;

// src/**App.js**

import React from "react";

import Counter from "./components/Counter";

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function App() {

return (

<div className="App">

<h1>Event Examples App</h1>

<Counter />

<WelcomeButton />

<SyntheticEventButton />

<CurrencyConvertor />

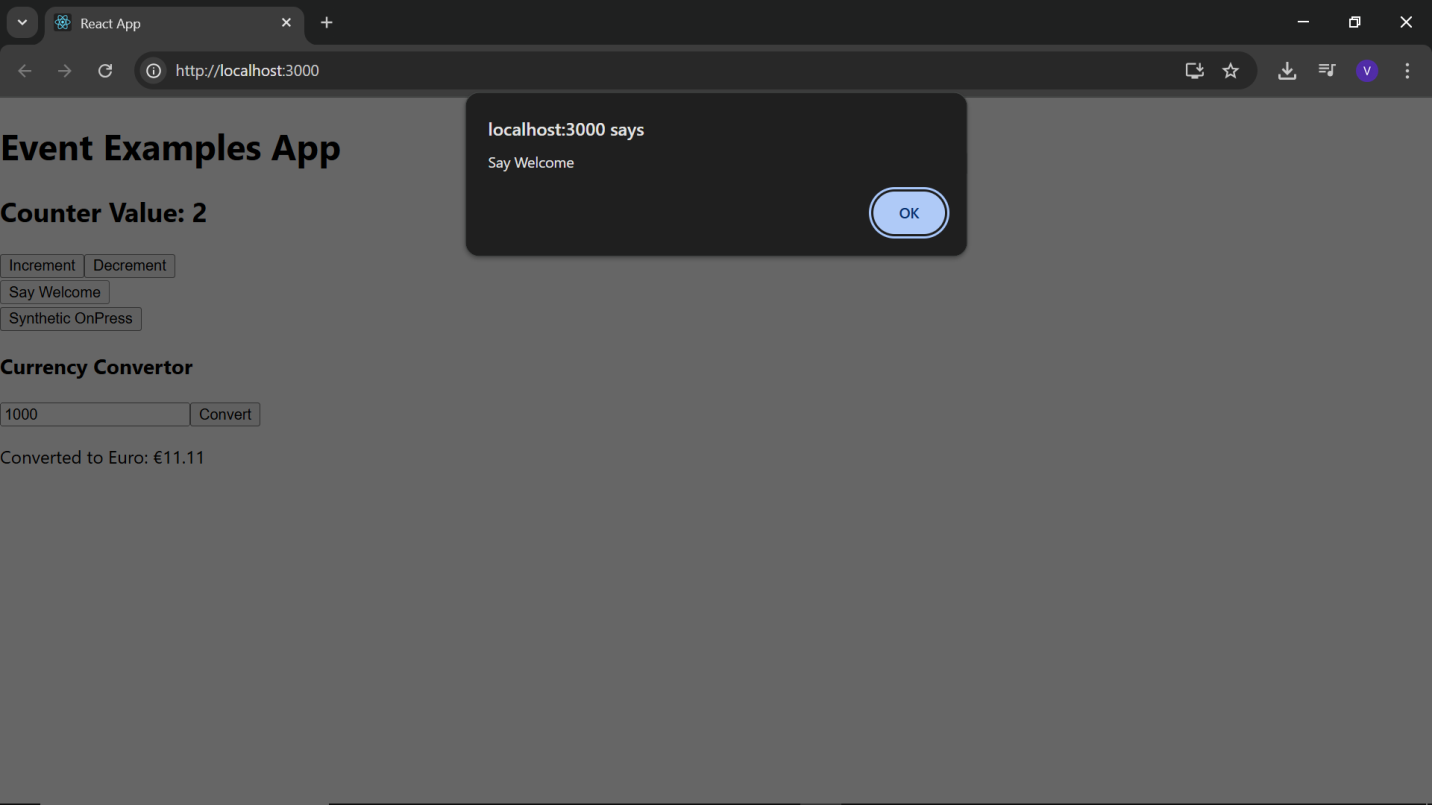
</div>

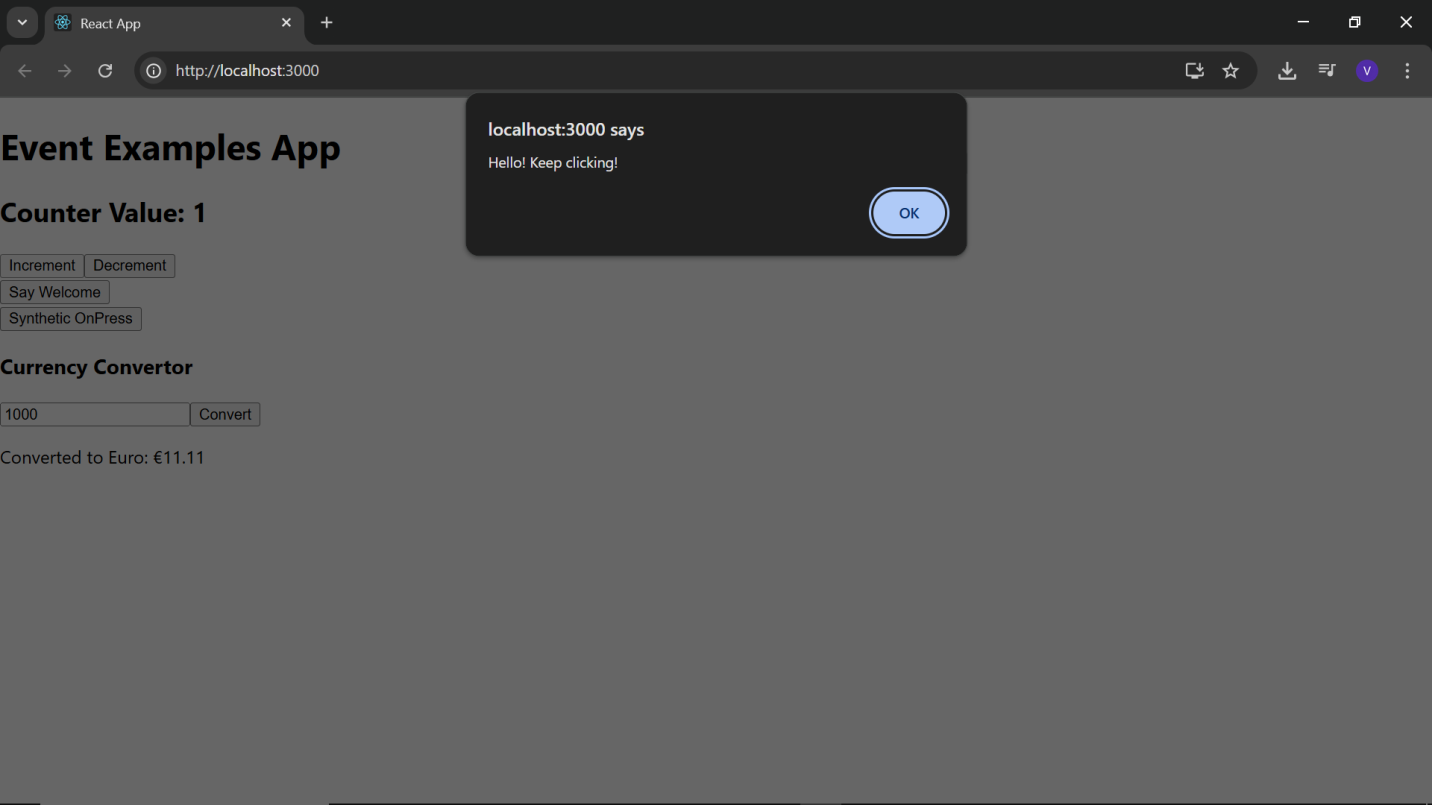
);

}

export default App;

**Output**

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