**11. ReactJS-HOL**

**Code:**

App.js

// src/App.js

import React, { Component } from "react";

import CurrencyConvertor from "./CurrencyConvertor";

import "./App.css";

class App extends Component {

constructor(props) {

super(props);

this.state = {

counter: 0,

};

}

increment = () => {

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

};

sayHello = () => {

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

};

handleIncrement = () => {

this.increment();

this.sayHello();

};

decrement = () => {

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

};

sayWelcome = (message) => {

alert(message);

};

handlePress = () => {

alert("I was clicked!");

};

render() {

return (

<div className="App">

<h1>🎯 Event Handling in React</h1>

<h2>Counter: {this.state.counter}</h2>

{/\* Increment Button \*/}

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

{/\* Decrement Button \*/}

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

<br /><br />

{/\* Say Welcome \*/}

<button onClick={() => this.sayWelcome("Welcome to the React Event App!")}>

Say Welcome

</button>

<br /><br />

{/\* Synthetic Event \*/}

<button onClick={this.handlePress}>OnPress (Synthetic Event)</button>

<hr />

{/\* Currency Converter Component \*/}

<CurrencyConvertor />

</div>

);

}

}

export default App;

CurrencyConvertor.js

// src/CurrencyConvertor.js

import React, { Component } from "react";

class CurrencyConvertor extends Component {

constructor(props) {

super(props);

this.state = {

rupees: '',

euro: 0,

};

}

handleChange = (e) => {

this.setState({ rupees: e.target.value });

};

handleSubmit = () => {

const euroRate = 0.011; // Assume static conversion rate

const euro = this.state.rupees \* euroRate;

this.setState({ euro });

};

render() {

return (

<div>

<h2>💱 Currency Convertor (INR ➜ EURO)</h2>

<input

type="number"

placeholder="Enter amount in Rupees"

value={this.state.rupees}

onChange={this.handleChange}

/>

<button onClick={this.handleSubmit}>Convert</button>

<h3>Euro: €{this.state.euro.toFixed(2)}</h3>

</div>

);

}

}

export default CurrencyConvertor;

App.css

.App {

text-align: center;

margin-top: 30px;

}

button {

margin: 5px;

padding: 8px 16px;

font-size: 16px;

}

**OUTPUT:**

