**11. ReactJS-HOL**

**App.js**

import React from 'react';

import Counter from './Counter';

import CurrencyConvertor from './CurrencyConvertor';

function App() {

return (

<div style={{ textAlign: 'center', padding: '20px' }}>

<h1>🎯 Event Examples App</h1>

<Counter />

<CurrencyConvertor />

</div>

);

}

export default App;

**Counter.js**

import React, { Component } from 'react';

class Counter extends Component {

constructor(props) {

super(props);

this.state = {

count: 0

};

}

increment = () => {

this.setState(prevState => ({ count: prevState.count + 1 }));

this.sayHello();

};

decrement = () => {

this.setState(prevState => ({ count: prevState.count - 1 }));

};

sayHello = () => {

alert("Hello! You clicked Increase.");

};

sayWelcome = (message) => {

alert(message);

};

handleSyntheticEvent = (e) => {

e.preventDefault(); // synthetic event usage

alert("I was clicked (Synthetic Event)");

};

render() {

return (

<div>

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

<button onClick={this.increment}>Increase</button>

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

<br /><br />

<button onClick={() => this.sayWelcome("Welcome to the app!")}>Say Welcome</button>

<br /><br />

<button onClick={this.handleSyntheticEvent}>OnPress</button>

<hr />

</div>

);

}

}

export default Counter;

**CurrencyConvertor.js**

import React, { useState } from 'react';

function CurrencyConvertor() {

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

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

const conversionRate = 0.011; // 1 INR = 0.011 EUR (example rate)

const handleSubmit = (e) => {

e.preventDefault();

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

setEuros(euroValue);

};

return (

<div>

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

<form onSubmit={handleSubmit}>

<input

type="number"

value={rupees}

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

placeholder="Enter INR"

/>

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

</form>

{euros && <p>Converted: € {euros}</p>}

</div>

);

}

export default CurrencyConvertor;

**OUTPUT:**

A screenshot of a computer

AI-generated content may be incorrect.

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