11.ReactJS – HOL

## Counter.js:

import React, { useState } from 'react';

function Counter() {

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

const increment = () => {

setCount(prev => prev + 1);

alert('Hello');

};

const decrement = () => {

setCount(prev => prev - 1);

};

return (

<div>

<h2>Counter Value: {count}</h2>

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

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

</div>

);

}

export default Counter;

## WelcomeButton():

function WelcomeButton() {

const sayWelcome = (name) => {

alert(`Welcome ${name}`);

};

return (

<div>

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

</div>

);

}

SyntheticEventButton():

function SyntheticEventButton() {

const handleClick = (e) => {

console.log(e); // React SyntheticEvent

alert('I was clicked');

};

return (

<div>

<button onClick={handleClick}>OnPress</button>

</div>

);

}

CurrencyConverter.js:

import React, { useState } from 'react';

function CurrencyConverter() {

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

const [result, setResult] = useState(null);

const handleSubmit = (e) => {

e.preventDefault();

const euro = parseFloat(amount) / 80; // Assume 1 Euro = ₹80

setResult(euro.toFixed(2));

};

return (

<div>

<h2>Currency Convertor!!!</h2>

<form onSubmit={handleSubmit}>

<input

type="number"

placeholder="Amount in INR"

value={amount}

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

/>

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

</form>

{result && <p>In Euro: €{result}</p>}

</div>

);

}

export default CurrencyConverter;

## App.js:

import React from 'react';

import Counter from './Counter';

import WelcomeButton from './WelcomeButton';

import SyntheticEventButton from './SyntheticEventButton';

import CurrencyConverter from './CurrencyConverter';

function App() {

return (

<div className="App">

<Counter />

<WelcomeButton />

<SyntheticEventButton />

<CurrencyConverter />

</div>

);

}

export default App;

