1. **ReactJS-HOL**

import logo from './logo.svg';

import './App.css';

import React, { Component } from 'react';

class App extends Component {

constructor(props) {

super(props);

this.state = {

count: 0,

inr: '',

euro: ''

};

}

increment = () => {

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

this.sayHello();

};

decrement = () => {

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

};

sayHello = () => {

alert('Hello! Value increased!');

};

sayWelcome = (msg) => {

alert("Say Welcome: " + msg);

};

handleClick = (event) => {

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

console.log(event); // Synthetic Event object

};

handleSubmit = () => {

let result = this.state.inr / 90; // Assuming 1 Euro = 90 INR

this.setState({ euro: result.toFixed(2) });

};

handleChange = (e) => {

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

};

render() {

return (

<div style={{ padding: '20px', fontFamily: 'Arial' }}>

<h2>React Events Lab</h2>

{/\* Counter with increment and decrement \*/}

<h3>Count: {this.state.count}</h3>

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

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

{/\* Welcome Button with Argument \*/}

<br /><br />

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

{/\* Synthetic Event \*/}

<br /><br />

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

{/\* Currency Converter \*/}

<br /><br />

<h3>Currency Convertor</h3>

<input

type="text"

placeholder="Enter INR"

value={this.state.inr}

onChange={this.handleChange}

/>{" "}

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

<h4>Equivalent in Euro: € {this.state.euro}</h4>

</div>

);

}

}

export default App;

