**11. ReactJS-HOL**

**Code:**

**App.js**

import React from 'react';

import CurrencyConverter from './CurrencyConverter';

class App extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      count: 0,

      message: ''

    };

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

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

    this.handleMultiple = this.handleMultiple.bind(this);

    this.sayWelcome = this.sayWelcome.bind(this);

    this.onPress = this.onPress.bind(this);

  }

  increment() {

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

  }

  sayHello() {

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

  }

  handleMultiple() {

    this.increment();

    this.sayHello();

  }

  decrement = () => {

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

  };

  sayWelcome(message) {

    alert(`Welcome Message: ${message}`);

  }

  onPress(e) {

    e.preventDefault();

    this.setState({ message: "I was clicked" });

  }

  render() {

    return (

      <div style={{ padding: "10px" }}>

        <h1>React Events</h1>

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

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

        <br />

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

        <br />

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

          Say Welcome

        </button>

        <br />

        <button onClick={this.onPress}>Click Me</button>

        <p>{this.state.message}</p>

        <CurrencyConverter />

      </div>

    );

  }

}

export default App;

**CurrencyConverter.js**

import React, { useState } from 'react';

const CurrencyConverter = () => {

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

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

  const handleSubmit = (e) => {

    e.preventDefault();

    const converted = (parseFloat(rupees) / 90).toFixed(2);

    setEuros(converted);

  };

  return (

    <div style={{ marginTop: "40px" }}>

      <h2>Currency Converter (INR to EURO)</h2>

      <form onSubmit={handleSubmit}>

        <input

          type="number"

          placeholder="Enter amount in Rupees"

          value={rupees}

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

        />

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

      </form>

      {euros && <h3>Converted Euro: € {euros}</h3>}

    </div>

  );

};

export default CurrencyConverter;

**Screenshot:**

**A screenshot of a computer

AI-generated content may be incorrect.**