React

**CurrencyConvertor.js**

import React, { Component } from 'react';

class CurrencyConvertor extends Component {

  constructor() {

    super();

    this.state = {

      rupees: '',

      euro: ''

    };

}

  handleChange = (event) => {

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

  };

  handleSubmit = (event) => {

    event.preventDefault();

    const rupees = parseFloat(this.state.rupees);

    const euroRate = 0.011; // Example rate: 1 INR = 0.011 EUR

    const euro = rupees \* euroRate;

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

  };

  render() {

    return (

      <div>

        <h2>Currency Converter</h2>

        <form onSubmit={this.handleSubmit}>

          <label>Indian Rupees:</label><br />

          <input type="number" value={this.state.rupees} onChange={this.handleChange} /><br /><br />

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

        </form>

        {this.state.euro && <p>Converted Amount in Euro: €{this.state.euro}</p>}

      </div>

    );

  }

}

export default CurrencyConvertor;

**App.js**

import React, { Component } from 'react';

import CurrencyConvertor from './CurrencyConvertor';

class App extends Component {

  constructor() {

    super();

    this.state = {

      counter: 0,

      message: '',

      eventMessage: ''

    };

  }

  increment = () => {

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

    this.sayHello();

  };

  sayHello = () => {

    this.setState({ message: 'Hello! Counter Updated Successfully.' });

  };

  decrement = () => {

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

  };

  sayWelcome = (msg) => {

    alert(`Welcome Message: ${msg}`);

  };

  handlePress = (event) => {

    event.preventDefault(); // Synthetic event

    this.setState({ eventMessage: 'I was clicked' });

  };

  render() {

    return (

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

        <h1>React Event Examples App</h1>

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

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

        <button onClick={this.decrement} style={{ marginLeft: '10px' }}>Decrement</button>

        <p>{this.state.message}</p>

        <hr />

        <button onClick={() => this.sayWelcome('Welcome to the event example!')}>

          Say Welcome

        </button>

        <hr />

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

        <p>{this.state.eventMessage}</p>

        <hr />

        <CurrencyConvertor />

      </div>

    );

  }

}

export default App;

**Output:**

