**Create a React Application “eventexamplesapp” to handle various events of the form elements in HTML.**

npx create-react-app eventexamplesapp

cd eventexamplesapp

Counter.js

import React, { Component } from 'react';

class Counter extends Component {

  constructor(props) {

    super(props);

    this.state = {

      count: 0,

      message: ''

    };

    // Binding `this` to event handlers

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

    this.decrement = this.decrement.bind(this);

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

  }

  increment() {

    this.setState(prevState => ({

      count: prevState.count + 1,

      message: 'Hello! Count has been increased.'

    }));

  }

  sayHello() {

    alert("Hello! Have a nice day!");

  }

  incrementAndGreet = () => {

    this.increment();

    this.sayHello();

  }

  decrement() {

    this.setState(prevState => ({

      count: prevState.count - 1,

      message: ''

    }));

  }

  sayWelcome(msg) {

    alert(`Message: ${msg}`);

  }

  handlePress = (event) => {

    alert("I was clicked");

    console.log("Synthetic event: ", event);

  }

  render() {

    return (

      <div>

        <h2>Counter Example</h2>

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

        <p>{this.state.message}</p>

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

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

        <br /><br />

        <button onClick={() => this.sayWelcome('Welcome to React Event Handling')}>Say Welcome</button>

        <br /><br />

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

      </div>

    );

  }

}

export default Counter;

CurrencyConvertor.js

import React, { Component } from 'react';

class CurrencyConvertor extends Component {

  constructor(props) {

    super(props);

    this.state = {

      rupees: '',

      euros: ''

    };

  }

  handleChange = (e) => {

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

  }

  handleSubmit = (e) => {

    e.preventDefault();

    const conversionRate = 0.011; // 1 INR = 0.011 Euro approx

    const euros = (this.state.rupees \* conversionRate).toFixed(2);

    this.setState({ euros });

  }

  render() {

    return (

      <div>

        <h2>Currency Convertor</h2>

        <form onSubmit={this.handleSubmit}>

          <input

            type="number"

            placeholder="Enter amount in INR"

            value={this.state.rupees}

            onChange={this.handleChange}

          />

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

        </form>

        {this.state.euros && <p>Converted Amount: €{this.state.euros}</p>}

      </div>

    );

  }

}

export default CurrencyConvertor;

App.js

import React from 'react';

import Counter from './components/Counter';

import CurrencyConvertor from './components/CurrencyConvertor';

function App() {

  return (

    <div className="App">

      <h1>Event Examples App</h1>

      <Counter />

      <hr />

      <CurrencyConvertor />

    </div>

  );

}

export default App;

npm start

**OUTPUT:**







