import React, { Component } from 'react';

class EventsDemo extends Component {

  constructor(props) {

*super*(props);

*this*.state = {

      count: 0,

      message: ''

    };

*this*.handleIncrement = *this*.handleIncrement.bind(*this*);

*this*.handleDecrement = *this*.handleDecrement.bind(*this*);

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

*this*.handleClick = *this*.handleClick.bind(*this*);

  }

  handleIncrement() {

*this*.setState({ count: *this*.state.count + 1 }, () => {

*this*.sayHello();

    });

  }

  handleDecrement() {

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

  }

  sayHello() {

    console.log('Hello! This is a static message.');

  }

  sayWelcome(message) {

    alert(`Say ${message}`);

  }

  handleClick(event) {

    console.log('I was clicked');

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

  }

  render() {

    return (

      <div>

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

        <button onClick={*this*.handleIncrement}>Increment</button>

        <button onClick={*this*.handleDecrement}>Decrement</button>

        <br /><br />

       <button onClick={() => *this*.sayWelcome('welcome')}>Say Welcome</button>

        <br /><br />

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

        <p>{*this*.state.message}</p>

      </div>

    );

  }

}

export default EventsDemo;

import React, { Component } from 'react';

class CurrencyConvertor extends Component {

  constructor(props) {

*super*(props);

*this*.state = {

      inr: '',

      euro: '',

      conversionRate: 0.011,

      reverseRate: 91,

    };

*this*.handleINRChange = *this*.handleINRChange.bind(*this*);

*this*.handleEUROChange = *this*.handleEUROChange.bind(*this*);

*this*.handleConvertToEuro = *this*.handleConvertToEuro.bind(*this*);

*this*.handleConvertToINR = *this*.handleConvertToINR.bind(*this*);

  }

  handleINRChange(event) {

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

  }

  handleEUROChange(event) {

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

  }

  handleConvertToEuro(event) {

    event.preventDefault();

    const { inr, conversionRate } = *this*.state;

    const euro = (parseFloat(inr) \* conversionRate).toFixed(2);

*this*.setState({ euro });

  }

  handleConvertToINR(event) {

    event.preventDefault();

    const { euro, reverseRate } = *this*.state;

    const inr = (parseFloat(euro) \* reverseRate).toFixed(2);

*this*.setState({ inr });

  }

  render() {

    return (

      <div>

        <h2>Currency Convertor</h2>

        <form onSubmit={*this*.handleConvertToEuro}>

          <label>

            INR:

            <input

              type="number"

              value={*this*.state.inr}

              onChange={*this*.handleINRChange}

            />

          </label>

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

        </form>

        <br />

        <form onSubmit={*this*.handleConvertToINR}>

          <label>

            EURO:

            <input

              type="number"

              value={*this*.state.euro}

              onChange={*this*.handleEUROChange}

            />

          </label>

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

        </form>

        <br />

        <p>INR Value: ₹{*this*.state.inr}</p>

        <p>EURO Value: €{*this*.state.euro}</p>

      </div>

    );

  }

}

export default CurrencyConvertor;

import React from 'react';

import './App.css';

import EventsDemo from './EventsDemo';

import CurrencyConvertor from './CurrencyConvertor';

function App() {

  return (

    <div className="App">

      <h1>React Event Examples</h1>

      <EventsDemo />

      <hr />

      <CurrencyConvertor />

    </div>

  );

}

export default App;

