11.ReactJS-HOL

CurrencyConvertor.js:

import React, { useState } from 'react';

const CurrencyConvertor = () => {

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

  const [euro, setEuro] = useState('');

  const handleSubmit = (event) => {

    event.preventDefault();

    // Assume 1 INR = 0.011 EUR

    const converted = (parseFloat(rupees) \* 0.011).toFixed(2);

    setEuro(converted);

  };

  return (

    <div>

      <h2>Currency Converter</h2>

      <form onSubmit={handleSubmit}>

        <label>Enter amount in INR: </label>

        <input

          type="number"

          value={rupees}

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

        />

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

      </form>

      {euro && <p>{rupees} INR = {euro} EUR</p>}

    </div>

  );

};

export default CurrencyConvertor;

App.js:

import React, { Component } from 'react';

import CurrencyConvertor from './CurrencyConvertor';

class App extends Component {

  constructor(props) {

    super(props);

    this.state = {

      counter: 0

    };

  }

  increment = () => {

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

  };

  decrement = () => {

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

  };

  sayHello = () => {

    alert("Hello! I have been Incremented.");

  };

  handleIncrementMultiple = () => {

    this.increment();

    this.sayHello();

  };

  sayMessage = (msg) => {

    alert(msg);

  };

  handleSyntheticEvent = (e) => {

    alert("I was clicked");

    console.log("Synthetic Event:", e);

  };

  render() {

    return (

      <div style={{ textAlign: "center", padding: "20px" }}>

        <h1>Event Examples App</h1>

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

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

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

        <br /><br />

        <button onClick={() => this.sayMessage("Welcome")}>Say Welcome</button>

        <br /><br />

        <button onClick={this.handleSyntheticEvent}>OnPress</button>

        <br /><br />

        <CurrencyConvertor />

      </div>

    );

  }

}

export default App;

Output:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.