REACT EXERCISE 11

src/App.js

import React, { useState } from "react";

export default function App() {

const [count, setCount] = useState(0);

const [message, setMessage] = useState("");

const [amount, setAmount] = useState("");

const [currency, setCurrency] = useState("");

const [converted, setConverted] = useState("");

// Increment

const handleIncrement = () => {

setCount(count + 1);

sayHelp();

};

const sayHelp = () => {

setMessage("Help: This is a static help message");

};

// Decrement

const handleDecrement = () => {

setCount(count - 1);

};

// Function with argument

const sayWelcome = (msg) => {

setMessage(msg);

};

// Synthetic Event

const handleOnPress = () => {

setMessage("I was clicked");

};

// Currency Converter

const handleSubmit = (e) => {

e.preventDefault();

if (currency.toLowerCase() === "euro") {

const result = (parseFloat(amount) \* 0.011).toFixed(2);

setConverted(`Converted to Euro: €${result}`);

} else if (currency.toLowerCase() === "rupees") {

const result = (parseFloat(amount) \* 90.0).toFixed(2);

setConverted(`Converted to Rupees: ₹${result}`);

} else {

setConverted("Invalid currency type. Please enter 'Euro' or 'Rupees'");

}

};

return (

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

<div>

<button onClick={handleIncrement}>Increment</button>

<button onClick={handleDecrement}>Decrement</button>

<button onClick={() => sayWelcome("Welcome")}>Say Welcome</button>

<button onClick={handleOnPress}>On Press</button>

</div>

<h2>{count}</h2>

<p>{message}</p>

<h2 style={{ color: "green" }}>Currency Convertor!!!</h2>

<form onSubmit={handleSubmit}>

<div>

Amount:{" "}

<input

type="text"

value={amount}

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

/>

</div>

<div>

Currency:{" "}

<input

type="text"

value={currency}

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

/>

</div>

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

</form>

<h3>{converted}</h3>

</div>

);

}