**React Exp-11**

**Program:**

**App.js:**

import React, { useState } from "react";

import CurrencyConvertor from "./CurrencyConvertor";

function App() {

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

  const incrementValue = () => {

    setCount(prev => prev + 1);

  };

  const sayHello = () => {

    console.log("Hello! Static message: Have a great day!");

  };

  const handleIncrease = () => {

    incrementValue();

    sayHello();

  };

  const handleDecrease = () => {

    setCount(prev => prev - 1);

  };

  const welcomeMessage = (msg) => {

    alert(msg);

  };

  const onPress = () => {

    alert("I was clicked");

  };

  return (

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

      <h2>{count}</h2>

      <button onClick={handleIncrease}>Increase</button><br/>

      <button onClick={handleDecrease}>Decrease</button><br/>

      <button onClick={() => welcomeMessage("Welcome Member!")}>Say Welcome</button><br/>

      <button onClick={onPress}>Click Me</button><br/>

      <CurrencyConvertor />

    </div>

  );

}

export default App;

**CurrencyConvertor.js**

import React, { useState } from "react";

function CurrencyConvertor() {

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

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

  const rates = {

    euro: 0.011,

    usd: 0.012,

    gbp: 0.0095,

    yen: 1.7,

    aud: 0.018,

  };

  const handleSubmit = (e) => {

    e.preventDefault();

    const amt = parseFloat(amount);

    const currencyKey = currency.toLowerCase();

    if (isNaN(amt) || amt <= 0) {

      alert("Please enter a valid amount in INR.");

      return;

    }

    if (rates[currencyKey]) {

      const converted = amt \* rates[currencyKey];

      alert(

        `Converting to ${currencyKey.toUpperCase()} Amount is ${converted.toFixed(2)}`

      );

    } else {

      alert(

        `Currency "${currency}" not supported.\nTry: Euro, USD, GBP, Yen, AUD.`

      );

    }

  };

  return (

    <div style={{ marginTop: "30px" }}>

      <h2 style={{ color: "green", fontWeight: "bold" }}>

        Currency Convertor!!!

      </h2>

      <form onSubmit={handleSubmit}>

        <div style={{ marginBottom: "10px" }}>

          <label>

            <strong>Amount (INR): </strong>

            <input

              type="number"

              value={amount}

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

              required

              style={{ marginLeft: "10px" }}

            />

          </label>

        </div>

        <div style={{ marginBottom: "10px" }}>

          <label>

            <strong>Convert to Currency: </strong>

            <input

              type="text"

              value={currency}

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

              required

              style={{ marginLeft: "10px" }}

            />

          </label>

        </div>

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

      </form>

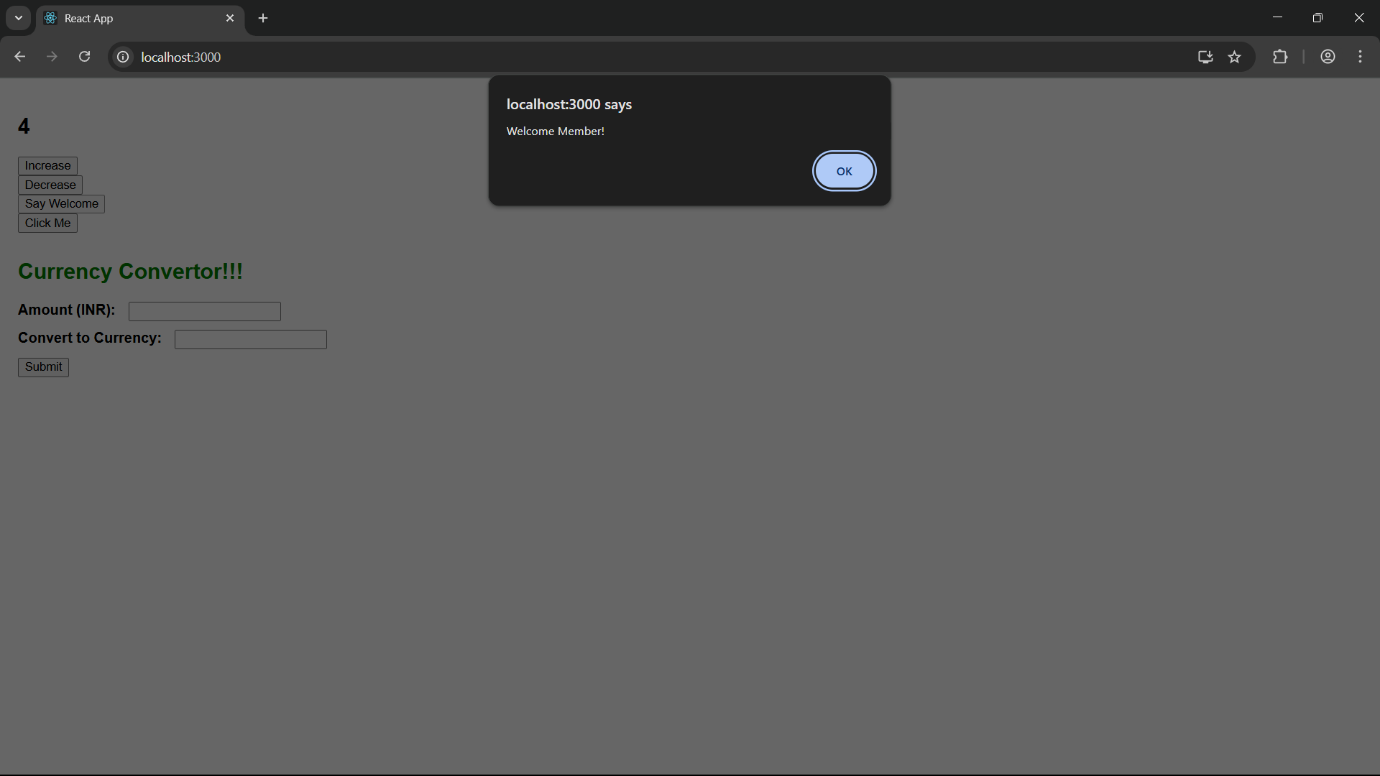
    </div>

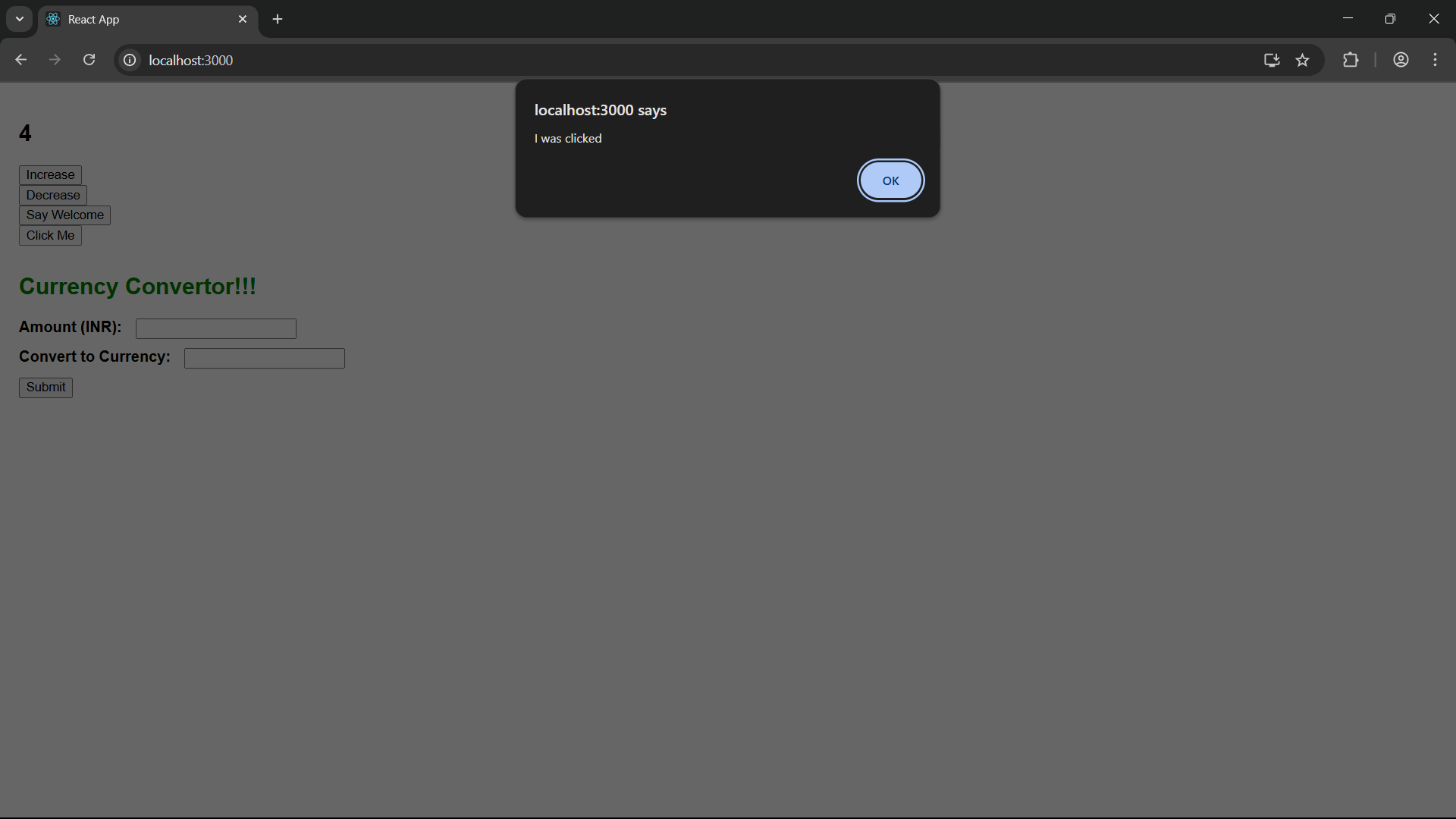
  );

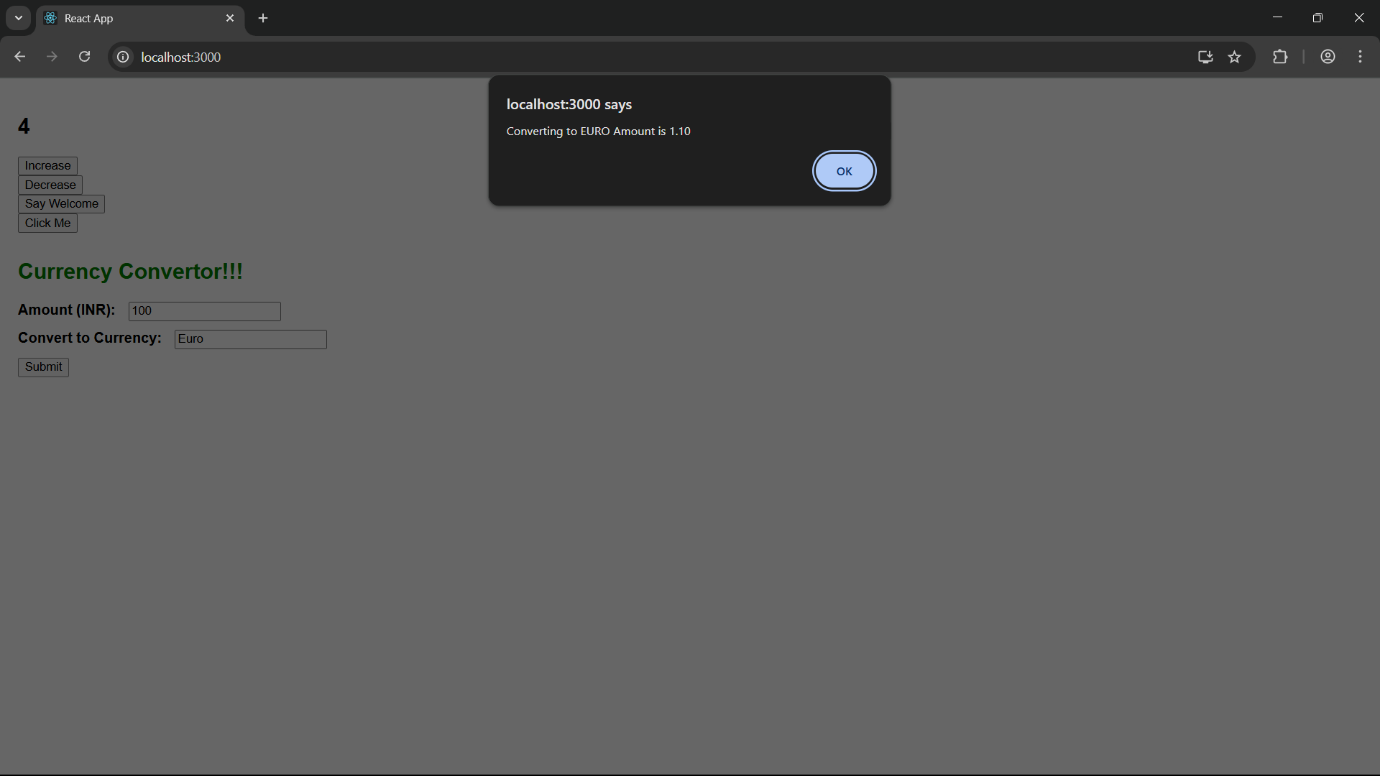
}

export default CurrencyConvertor;

**Output:**

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