

11. ReactJS-HOL

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

1.Create “Increment” button to increase the value of the counter and “Decrement” button to decrease the value of the counter. The “Increase” button should invoke multiple methods.

a.To increment the value

b.Say Hello followed by a static message.

2.Create a button “Say Welcome” which invokes the function which takes “welcome” as an argument.

3.Create a button which invokes synthetic event “OnPress” which display “I was clicked”

Create a “CurrencyConvertor” component which will convert the Indian Rupees to Euro when the Convert button is clicked.

Handle the Click event of the button to invoke the handleSubmit event and handle the conversion of the euro to rupees.

Code:

App.js

```
import React, { useState } from "react";
import CurrencyConvertor from "./CurrencyConvertor";

function App() {
  const [counter, setCounter] = useState(0);

  const incrementCounter = () => {
    setCounter(prev => prev + 1);
  };

  const decrementCounter = () => {
    setCounter(prev => prev - 1);
  };

  const sayWelcome = () => {
    alert("Welcome!");
  };

  const handleClick = () => {
    alert("I was clicked");
  };

  return (
    <div style={{ padding: "20px" }}>
      <h1>React Event Examples</h1>
```

```

    <h2>Counter: {counter}</h2>
    <button onClick={incrementCounter}>Increment</button>
    <button onClick={decrementCounter}>Decrement</button>

    <hr />

    <button onClick={sayWelcome}>Say Welcome</button>

    <hr />

    <button onClick={handleClick}>OnPress</button>

    <hr />

    { /* Currency Convertor */ }
    <CurrencyConvertor />
  </div>
);
}

export default App;

```

CurrencyConvertor.js

```

import React, { useState } from "react";

function CurrencyConvertor() {
  const [rupees, setRupees] = useState("");
  const [euros, setEuros] = useState("");

  const handleSubmit = (e) => {
    e.preventDefault();
    const conversionRate = 100.75; // 1 INR ≈ 0.011 EUR
    const converted = parseFloat(rupees) * conversionRate;
    alert("Converting to Euro Amount is:" + converted.toFixed(2));
  };

  return (
    <div>
      <h2>Currency Convertor</h2>
      <form onSubmit={handleSubmit}>
        <label>Amount</label>
        <input
          type="number"
          value={rupees}

```

```

        onChange={(e) => setRupees(e.target.value)}
        required
      />
      <label>Currency</label>
      <input type="text" />
      <button type="submit">Convert</button>
    </form>
  </div>
);
}

export default CurrencyConvertor;

```

Output:

React Event Examples

Counter: 0

Increment Decrement

Say Welcome

OnPress

Currency Convertor

Amount Currency Convert

Increment Button

React Event Examples

Counter: 2

Increment Decrement

Say Welcome

OnPress

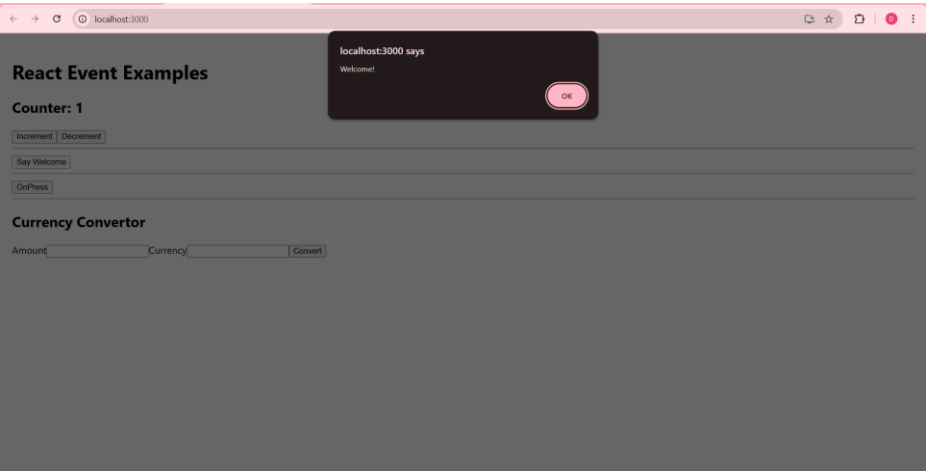
Currency Convertor

Amount Currency Convert

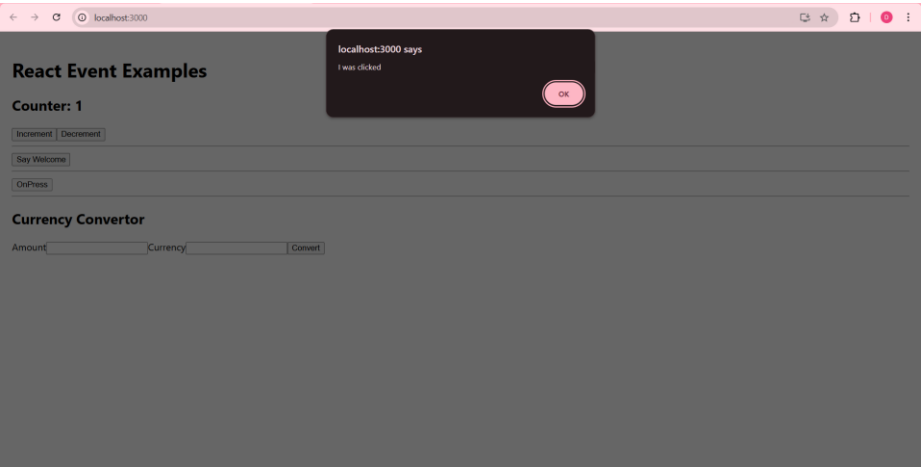
Decrement Button:



Welcome Button:



Click Button:



Convertor Button:

