**React**

**Handson3 ReactJS-HOL**

**Source Code**

import React, { useState } from "react";

function App() {

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

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

const [welcomeMsg, setWelcomeMsg] = useState("");

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

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

const increment = () => {

setCount(prev => prev + 1);

sayHello();

sayMessage();

};

const decrement = () => {

setCount(prev => prev - 1);

};

const sayHello = () => {

setMessage("Hello User!");

};

const sayMessage = () => {

setMessage(prev => prev + " Keep Learning React Events.");

};

const sayWelcome = (msg) => {

setWelcomeMsg(msg);

};

const handleClick = (event) => {

alert("I was clicked!");

console.log("Synthetic event:", event);

};

const handleCurrencyChange = (e) => {

setCurrency(e.target.value);

};

const handleSubmit = () => {

const value = parseFloat(currency);

if (!isNaN(value)) {

const euro = value / 90;

setConverted(euro.toFixed(2));

} else {

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

}

};

return (

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

<h1>Event Examples App</h1>

<h2>Counter: {count}</h2>

<button onClick={increment}>Increment</button>{" "}

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

<p>{message}</p>

<hr />

<button onClick={() => sayWelcome("Welcome to React Event Handling!")}>

Say Welcome

</button>

<p>{welcomeMsg}</p>

<hr />

<button onClick={handleClick}>Synthetic Event (Click Me)</button>

<hr />

<CurrencyConvertor />

</div>

);

}

function CurrencyConvertor() {

const [input, setInput] = useState("");

const [output, setOutput] = useState(null);

const handleInputChange = (e) => {

setInput(e.target.value);

};

const handleSubmit = () => {

const rupees = parseFloat(input);

if (!isNaN(rupees)) {

const euros = rupees / 90;

setOutput(euros.toFixed(2));

} else {

alert("Enter a valid number");

}

};

return (

<div>

<h2>Currency Converter (INR -> Euro)</h2>

<input

type="text"

value={input}

onChange={handleInputChange}

placeholder="Enter amount in ₹"

/>

<button onClick={handleSubmit}>Convert</button>

{output && (

<p>

₹{input} = €{output}

</p>

)}

</div>

);

}

**OUTPUT**

