11. ReactJs-HOL

Code:

**App.js**

import React from 'react';

const SyntheticEventExample = () => {

const handleClick = () => {

alert("Thanks for clicking on me! Hope you are having a great day.");

};

return (

<div>

<button onClick={handleClick}>Click on me</button>

</div>

);

};

export default SyntheticEventExample;

**Counter.js**

import React, { useState } from 'react';

const Counter = () => {

const [count, setCount] = useState(1);

const increment = () => {

setCount(prev => prev + 1);

};

const sayHello = () => {

console.log("Hello from counter!");

alert("Hello! Counter was increased.");

};

const handleIncrease = () => {

increment();

sayHello();

};

const decrement = () => {

setCount(prev => prev - 1);

};

const sayHell = () => {

console.log("Hello from counter!");

alert("Hello! Counter was decreased.");

};

const handledecrease = () => {

decrement();

sayHell();

};

return (

<div>

<h2>{count}</h2>

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

<br />

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

</div>

);

};

export default Counter;

**CurrencyConverter.js**

import React, { useState } from 'react';

const CurrencyConvertor = () => {

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

const [currency, setCurrency] = useState('Euro');

const handleSubmit = (e) => {

e.preventDefault();

let converted = 0;

if (currency === "Euro") {

converted = parseFloat(amount) \* (1/80); // 1 Euro = 80 Rs (for example)

}

alert(`Converting to ${currency} Amount is ${converted}`);

};

return (

<div>

<h2 style={{ color: 'green', fontSize: '30px' }}>Currency Convertor!!!</h2>

<form onSubmit={handleSubmit}>

<label>

Amount:

<input

type="number"

value={amount}

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

required

/>

</label>

<br />

<label>

Currency:

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

<option value="Euro">Euro</option>

</select>

</label>

<br />

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

</form>

</div>

);

};

export default CurrencyConvertor;

**Heading.js**

import React from "react";

const Heading = () => {

return <h1>Example App</h1>;

};

export default Heading;

**SyntheticEventExample.js**

import React from 'react';

const SyntheticEventExample = () => {

const handleClick = () => {

alert("Thanks for clicking on me! Hope you are having a great day.");

};

return (

<div>

<button onClick={handleClick}>Click on me</button>

</div>

);

};

export default SyntheticEventExample;

**Welcome.js**

import React from 'react';

const Welcome = () => {

const greet = (message) => {

alert(message);

};

return (

<div>

<button onClick={() => greet("Hello Welcome to my app")}>Say welcome</button>

</div>

);

};

export default Welcome;

Output:





