REACT:

11.React-HOL

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

App.js:

import React, { Component } from 'react';

import './App.css';

class App extends Component {

constructor(props) {

super(props);

this.state = {

counter: 0,

message: '',

rupees: '',

euro: ''

};

}

// Increment Handler (invokes multiple methods)

handleIncrement = () => {

this.setState(prevState => ({ counter: prevState.counter + 1 }), () => {

this.sayHello();

});

};

// Decrement Handler

handleDecrement = () => {

this.setState(prevState => ({ counter: prevState.counter - 1 }));

};

// Say Hello method (called after increment)

sayHello = () => {

this.setState({ message: 'Hello! Value Incremented!' });

};

// Say Welcome method (with argument)

sayWelcome = (msg) => {

this.setState({ message: msg });

};

// Synthetic Event Handler

handlePress = (event) => {

this.setState({ message: 'I was clicked' });

console.log(event); // SyntheticEvent

};

// Currency Conversion Handler

handleCurrencyChange = (e) => {

this.setState({ rupees: e.target.value });

};

handleConvert = (e) => {

e.preventDefault(); // Prevent page reload

const euroValue = (this.state.rupees / 90).toFixed(2);

this.setState({ euro: euroValue });

};

render() {

return (

<div className="App">

<h1>React Event Handling Example</h1>

<h2>Counter: {this.state.counter}</h2>

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

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

<br /><br />

<button onClick={() => this.sayWelcome('Welcome to React Event Handling!')}>Say Welcome</button>

<br /><br />

<button onClick={this.handlePress}>OnPress (Synthetic Event)</button>

<br /><br />

<h2>Currency Convertor (INR to EURO)</h2>

<form onSubmit={this.handleConvert}>

<input

type="number"

placeholder="Enter Rupees"

value={this.state.rupees}

onChange={this.handleCurrencyChange}

/>

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

</form>

{this.state.euro && <p>Euro: €{this.state.euro}</p>}

<br />

{this.state.message && <h3>{this.state.message}</h3>}

</div>

);

}

}

export default App;

Output:













