**WEEK 7**

**Module 10 – Single Page Application framework – React**

**11. ReactJS-HOL**

**CODE:**

**src/components/CurrencyConvertor.js**

import React, { Component } from 'react';

class CurrencyConvertor extends Component {

constructor(props) {

super(props);

this.state = {

amount: '',

converted: null,

};

}

handleChange = (e) => {

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

};

handleSubmit = () => {

const euroRate = 0.011; // 1 INR = 0.011 EUR approx

const converted = this.state.amount \* euroRate;

this.setState({ converted });

};

render() {

return (

<div>

<h3 style={{ color: 'green' }}>Currency Convertor!!!</h3>

<label>Amount </label>

<input type="number" onChange={this.handleChange} value={this.state.amount} />

<br />

<label>Currency </label>

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

{this.state.converted !== null && (

<p>

{this.state.amount} INR = {this.state.converted.toFixed(2)} EUR

</p>

)}

</div>

);

}

}

export default CurrencyConvertor;

**src/App.js**

import React, { Component } from 'react';

import CurrencyConvertor from './components/CurrencyConvertor';

class App extends Component {

constructor(props) {

super(props);

this.state = {

count: 0,

};

}

increment = () => {

this.setState({ count: this.state.count + 1 });

this.sayHello();

};

decrement = () => {

this.setState({ count: this.state.count - 1 });

};

sayHello = () => {

alert('Hello!');

};

sayWelcome = (message) => {

alert(message);

};

handlePress = (e) => {

alert('I was clicked');

};

render() {

return (

<div style={{ padding: '30px' }}>

<br /><br />

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

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

<p>Counter: {this.state.count}</p>

<button onClick={() => this.sayWelcome('Welcome')}>Say Welcome</button>

<br /><br />

<button onClick={this.handlePress}>Click on me</button>

<br /><br />

<CurrencyConvertor />

</div>

);

}

}

export default App;

**OUTPUT:**







