**11. ReactJS - HOL**

**CurrencyConvertor.js**

import React, { useState } from "react";

function CurrencyConvertor() {

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

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

  const handleSubmit = (e) => {

    e.preventDefault();

    if (currency === "Euro") {

      let result = amount \* 80;

      alert(`Converting to Euro Amount is ${result}`);

    } else {

      alert("Please select 'Euro' as currency.");

    }

  };

  return (

    <div>

      <h1 style={{ color: "green" }}>Currency Convertor!!!</h1>

      <form onSubmit={handleSubmit}>

        <label>Amount: </label>

        <input

          type="number"

          value={amount}

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

        />

        <br />

        <label>Currency: </label>

        <select

          value={currency}

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

        >

          <option value="">--Select--</option>

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

          <option value="Dollar">Dollar</option>

        </select>

        <br />

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

      </form>

    </div>

  );

}

export default CurrencyConvertor;

**App.js**

import React from "react";

import CurrencyConvertor from "./CurrencyConvertor";

class App extends React.Component {

  constructor(props) {

    super(props);

    this.state = {

      count: 1,

    };

    this.handleIncrement = this.handleIncrement.bind(this);

    this.sayHello = this.sayHello.bind(this);

    this.sayWelcome = this.sayWelcome.bind(this);

    this.handleSyntheticClick = this.handleSyntheticClick.bind(this);

  }

  handleIncrement() {

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

    this.sayHello();

  }

  sayHello() {

    alert("Hello! You clicked Increment");

  }

  handleDecrement = () => {

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

  };

  sayWelcome(msg) {

    alert(msg);

  }

  handleSyntheticClick(event) {

    alert("I was clicked");

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

  }

  render() {

    return (

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

        <p>{this.state.count}</p>

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

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

        <br />

        <br />

        <button onClick={() => this.sayWelcome("welcome")}>Say welcome</button>

        <br />

        <br />

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

        <br />

        <br />

        <CurrencyConvertor />

      </div>

    );

  }

}

export default App;

**App.css**

.App {

  text-align: center;

}

.App-logo {

  height: 40vmin;

  pointer-events: none;

}

@media (prefers-reduced-motion: no-preference) {

  .App-logo {

    animation: App-logo-spin infinite 20s linear;

  }

}

.App-header {

  background-color: #282c34;

  min-height: 100vh;

  display: flex;

  flex-direction: column;

  align-items: center;

  justify-content: center;

  font-size: calc(10px + 2vmin);

  color: white;

}

.App-link {

  color: #61dafb;

}

@keyframes App-logo-spin {

  from {

    transform: rotate(0deg);

  }

  to {

    transform: rotate(360deg);

  }

}











