**11. ReactJS-HOL**

**CurrencyConvertor.js:**

import React, { useState } from "react";

function CurrencyConvertor() {

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

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

  const conversionRate = 80; // 1 Euro = 80 INR

  const handleSubmit = () => {

    const euro = parseFloat(amount);

    if (!isNaN(euro) && euro > 0 && currency.toLowerCase() === "euro") {

      const inr = (euro \* conversionRate).toFixed(2);

      alert(`Converting to euro amount is ${inr}`);

    } else if (!isNaN(euro) && euro > 0) {

      alert(`Conversion for "${currency}" not supported.`);

    } else {

      alert("Please enter a valid amount and currency.");

    }

  };

  return (

    <div style={{ marginTop: "30px", textAlign: "center" }}>

      <h2 style={{ color: "green" }}>Currency Convertor!!!</h2>

      <label style={{ fontWeight: "bold", fontSize: "18px" }}>Amount:</label>

      <br />

      <input

        type="text"

        placeholder="Enter amount"

        value={amount}

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

        style={{

          padding: "10px",

          fontSize: "16px",

          margin: "10px 0",

          width: "200px",

        }}

      />

      <br />

      <label style={{ fontWeight: "bold", fontSize: "18px" }}>Currency:</label>

      <br />

      <input

        type="text"

        placeholder="Enter currency (e.g. euro)"

        value={currency}

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

        style={{

          padding: "10px",

          fontSize: "16px",

          margin: "10px 0",

          width: "200px",

        }}

      />

      <br /><br />

      <button

        onClick={handleSubmit}

        style={{ padding: "10px 25px", fontSize: "16px" }}

      >

        Submit

      </button>

    </div>

  );

}

export default CurrencyConvertor;

**App.css:**

.App {

  text-align: left;

  font-family: Arial, sans-serif;

  padding: 40px;

}

h2.green-heading {

  color: green;

  font-size: 28px;

  margin-top: 40px;

  margin-bottom: 20px;

}

.button-group {

  display: flex;

  flex-direction: column;

  align-items: flex-start;  /\* Align left \*/

  gap: 10px;

  margin-bottom: 30px;

}

.button-group button {

  padding: 8px 18px;

  font-size: 16px;

  cursor: pointer;

  background-color: lightgray;

  border: 1px solid #aaa;

  border-radius: 4px;

}

.form-row {

  display: flex;

  align-items: center;

  gap: 10px;

  margin-bottom: 15px;

}

input[type="text"] {

  padding: 8px;

  font-size: 16px;

  width: 200px;

}

.submit-btn {

  padding: 10px 25px;

  font-size: 16px;

  background-color: white;

  color: black;

  border: 1px solid #ccc;

  border-radius: 4px;

  cursor: pointer;

  margin-left: 85px;

  margin-top: 10px;

}

.submit-btn:hover {

  background-color: #0056b3;

}

**App.js:**

import React, { useState } from "react";

import "./App.css";

function App() {

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

  const increment = () => {

    setCount(prev => prev + 1);

    alert("Hello! Member1");

  };

  const decrement = () => {

    setCount(prev => prev - 1);

  };

  const sayWelcome = () => {

    alert("Welcome");

  };

  const handleClick = () => {

    alert("I was clicked");

  };

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

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

  const handleSubmit = () => {

    const val = parseFloat(amount);

    if (!isNaN(val) && val > 0 && currency.toLowerCase() === "euro") {

      const result = Math.round(val \* 80);

      alert(`Converting to euro amount is ${result}`);

    } else {

      alert("Please enter valid amount and currency (e.g. euro)");

    }

  };

  return (

    <div className="App">

      {/\* Counter display \*/}

      <h2>{count}</h2>

      <div className="button-group">

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

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

        <button onClick={sayWelcome}>Say welcome</button>

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

      </div>

      <h2 className="green-heading">Currency Convertor!!!</h2>

      <div className="form-row">

        <label>Amount:</label>

        <input

          type="text"

          value={amount}

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

        />

      </div>

      <div className="form-row">

        <label>Currency:</label>

        <input

          type="text"

          value={currency}

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

        />

      </div>

      <button onClick={handleSubmit} className="submit-btn">Submit</button>

    </div>

  );

}

export default App;

**Output:**









