**11. ReactJS-HOL**

**App.js**

import React, { useState } from 'react';

import CurrencyConvertor from './CurrencyConvertor';

function App() {

  const [counter, setCounter] = useState(0);

  const increment = () => {

    setCounter(prev => prev + 1);

    sayHello();

  };

  const sayHello = () => {

    alert('Hello! Counter increased.');

  };

  const decrement = () => {

    setCounter(prev => prev - 1);

  };

  const sayMessage = (msg) => {

    alert(msg);

  };

  const handleSyntheticEvent = (e) => {

    alert('I was clicked');

    console.log('Synthetic Event:', e);

  };

  return (

    <div className="App" style={{ padding: '20px', fontFamily: 'Arial' }}>

      <h2> {counter}</h2>

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

      <br></br>

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

      <br></br>

      <button onClick={() => sayMessage('Welcome!')}>Say Welcome</button>

      <br></br>

      <button onClick={handleSyntheticEvent}>Click on Me</button>

      <hr />

      <CurrencyConvertor />

    </div>

  );

}

export default App;

**CurrencyConvertor.js**

import React, { useState } from 'react';

const CurrencyConvertor = () => {

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

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

  const handleSubmit = () => {

    const numericAmount = parseFloat(amount);

    if (isNaN(numericAmount)) {

      alert('Please enter a valid number');

      return;

    }

    const selectedCurrency = currency.trim().toLowerCase();

    if (selectedCurrency === 'euro') {

      const result = numericAmount / 90;

      alert(`Converted Amount: € ${result.toFixed(2)}`);

    } else if (selectedCurrency === 'inr') {

      const result = numericAmount \* 90;

      alert(`Converted Amount: ₹ ${result.toFixed(2)}`);

    } else {

      alert('Unsupported currency. Please enter "Euro" or "INR".');

    }

  };

  return (

    <div>

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

      <table >

        <tbody>

          <tr>

            <td>Amount: </td>

            <td>

              <input

                type="number"

                value={amount}

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

              />

            </td>

            </tr>

            <tr>

                <td>Currency: </td>

            <td>

              <input

                type="textarea"

                value={currency}

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

              />

            </td>

          </tr>

        </tbody>

      </table>

      <br />

      <button onClick={handleSubmit}>Submit</button>

    </div>

  );

};

export default CurrencyConvertor;

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

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