**REACT TASK1**

1.App.js

import React, { Component } from 'react';

class Counter extends Component {

  constructor(props) {

    super(props);

    this.state = { count: 0 };

  }

  increment = () => {

    this.setState((prevState) => ({ count: prevState.count + 1 }));

  };

  decrement = () => {

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

  };

  render() {

    return (

      <div>

        <h1>Counter: {this.state.count}</h1>

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

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

      </div>

    );

  }

}

export default Counter;

2.App.js

import React from 'react';

import MobileDetails from './MobileDetails';

const App = () => {

  const mobiles = [

    { id: 1, model: 'iPhone 14', price: 50000 },

    { id: 2, model: 'Samsung Galaxy S23', price: 35000 },

    { id: 3, model: 'Google Pixel 7', price: 30000 }

  ];

  return (

    <div>

      <h2>Mobile Details</h2>

      {mobiles.map((mobile) => (

        <MobileDetails key={mobile.id} id={mobile.id} model={mobile.model} price={mobile.price} />

      ))}

    </div>

  );

};

export default App;

3.Calculator.js

import React from 'react';

const Calculator = ({ num1, num2 }) => {

  const sum = num1 + num2;

  const diff = num1 - num2;

  const product = num1 \* num2;

  return (

    <div>

      <h3>Results:</h3>

      <p>Sum: {sum}</p>

      <p>Difference: {diff}</p>

      <p>Product: {product}</p>

      <hr />

    </div>

  );

};

export default Calculator;

App.js

import React, { useState } from 'react';

import Calculator from './Calculator';

const App = () => {

  const [num1, setNum1] = useState(0);

  const [num2, setNum2] = useState(0);

  return (

    <div>

      <h2>Simple Calculator</h2>

      <label>

        Number 1:

        <input type="number" value={num1} onChange={(e) => setNum1(Number(e.target.value))} />

      </label>

      <br />

      <label>

        Number 2:

        <input type="number" value={num2} onChange={(e) => setNum2(Number(e.target.value))} />

      </label>

      <br />

      <Calculator num1={num1} num2={num2} />

    </div>

  );

};

export default App;