import React, { useState } from 'react';

const Calculator = () => {

const [input, setInput] = useState('');

const [result, setResult] = useState('');

const handleButtonClick = (value) => {

if (value === '=') {

try {

setResult(eval(input).toString());

} catch (error) {

setResult('Error');

}

} else if (value === 'C') {

setInput('');

setResult('');

} else {

setInput((prevInput) => prevInput + value);

}

};

return (

<div>

<div>

<input type="text" value={input} readOnly />

</div>

<div>

<button onClick={() => handleButtonClick('7')}>7</button>

<button onClick={() => handleButtonClick('8')}>8</button>

<button onClick={() => handleButtonClick('9')}>9</button>

<button onClick={() => handleButtonClick('/')}>/</button>

</div>

<div>

<button onClick={() => handleButtonClick('4')}>4</button>

<button onClick={() => handleButtonClick('5')}>5</button>

<button onClick={() => handleButtonClick('6')}>6</button>

<button onClick={() => handleButtonClick('\*')}>\*</button>

</div>

<div>

<button onClick={() => handleButtonClick('1')}>1</button>

<button onClick={() => handleButtonClick('2')}>2</button>

<button onClick={() => handleButtonClick('3')}>3</button>

<button onClick={() => handleButtonClick('-')}>-</button>

</div>

<div>

<button onClick={() => handleButtonClick('0')}>0</button>

<button onClick={() => handleButtonClick('.')}>.</button>

<button onClick={() => handleButtonClick('=')}>=</button>

<button onClick={() => handleButtonClick('+')}>+</button>

</div>

<div>

<button onClick={() => handleButtonClick('C')}>C</button>

</div>

<div>

<p>Result: {result}</p>

</div>

</div>

);

};

export default Calculator;