

My github [<https://github.com/CHEN211410674/1112-1N-js-demo-211410674.git>]

W01-P1: 取得畫面輸入，4 個按鈕，兩個輸出，共 7 個，透過 console.log 印出

The screenshot displays a web application development environment. On the left, the Visual Studio Code editor shows the `app.js` file with JavaScript code for a calculator. The code includes selectors for an input field, four buttons (+, -, *, /), and two output elements (a result span and a calculation h2). It uses `console.log` to log the input, buttons, and outputs. The middle pane shows the running application, 'The Unconventional Calculator', which has a blue theme, an input field, four buttons, and a display showing '0' and 'Result: 0'. The right pane shows the Chrome DevTools console with the HTML structure of the calculator UI, including the input, buttons, and output elements, each linked to its corresponding line in `app.js`.

```
1 const userInput = document.querySelector('#input-number');
2 const addBtn = document.querySelector('#btn-add');
3 const subtract = document.querySelector('#btn-subtract');
4 const multiply = document.querySelector('#btn-multiply');
5 const divide = document.querySelector('#btn-divide');
6
7 const currentResultOutput = document.querySelector('#current-re
8 const currentCalculationOutput = document.querySelector('#curre
9
10 console.log('userInput', userInput);
11 console.log('addBtn', addBtn);
12 console.log('subtract', subtract);
13 console.log('multiply', multiply);
14 console.log('divide', divide);
15
16 console.log('currentResultOutput', currentResultOutput);
17 console.log('currentCalculationOutput', currentCalculationOutput);
```

The calculator UI shows the following structure in the DevTools console:

- `userInput`: `<input type="number" id="input-number">` (app.js:11)
- `addBtn`: `<button type="button" id="btn-add">+</button>` (app.js:12)
- `subtract`: `<button type="button" id="btn-subtract">-</button>` (app.js:13)
- `multiply`: `<button type="button" id="btn-multiply">*</button>` (app.js:14)
- `divide`: `<button type="button" id="btn-divide">/</button>` (app.js:15)
- `currentResultOutput`: `0` (app.js:17)
- `currentCalculationOutput`: `<h2 id="current-calculation">0</h2>` (app.js:18)

W01-P2: 能做加法計算 operand1 + operand2

The screenshot shows a web browser window with the title "The Unconventional Calculator". The interface includes a display showing the number "2". Below the display are buttons for addition (+), subtraction (-), multiplication (*), and division (/). The result box shows the calculation "20 + 2" and the result "Result: 22". The console shows the calculation "20 + 2 = 22".

```
const defaultResult = 0;
let currentResult = defaultResult;

function getUserInput() {
  return parseInt(userInput.value);
}

function outputResult(result, text) {
  currentResultOutput.textContent = result;
  currentCalculationOutput.textContent = text;
}

// operand1 operator operand2 0 + 5
function add() {
  const operand1 = currentResult;
  const operand2 = getUserInput();
  currentResult = operand1 + operand2;
  console.log(`${operand1} + ${operand2} = ${currentResult}`);
  const calcText = `${operand1} + ${operand2}`;
  outputResult(currentResult, calcText);
}

addBtn.addEventListener('click', add);
```

W01-P3: 能做減法計算 operand1 - operand2

The screenshot shows a web browser window with the title "The Unconventional Calculator". The interface includes a display showing the number "9". Below the display are buttons for addition (+), subtraction (-), multiplication (*), and division (/). The result box shows the calculation "-7 - 9" and the result "Result: -16". The console shows the calculation "-7 - 9 = -16".

```
function sub() {
  const operand1 = currentResult;
  const operand2 = getUserInput();
  currentResult = operand1 - operand2;
  console.log(`${operand1} - ${operand2} = ${currentResult}`);
  const calcText = `${operand1} - ${operand2}`;
  outputResult(currentResult, calcText);
}

addBtn.addEventListener('click', add);
subtractBtn.addEventListener('click', sub);
```

W01-P4: 能做乘法計算 operand1 * operand2

The screenshot displays a web browser window with the title "The Unconventional Calculator". The input field contains the number "555". The result field shows "0 * 555" and "Result: 0". The console shows the following log messages:

```
0 * 5 = 0
0 * 55 = 0
0 * 555 = 0
```

The code in the background shows the `mult` function being executed:

```
function mult() {
  const operand1 = currentResult;
  const operand2 = getUserInput();
  currentResult = operand1 * operand2;
  console.log(`${operand1} * ${operand2} = ${currentResult}`);
  const calcText = `${operand1} * ${operand2}`;
  outputResult(currentResult, calcText);
}
```

W01-P5: 能做除法計算 operand1 / operand2

The screenshot displays a web browser window with the title "The Unconventional Calculator". The input field contains the number "12". The result field shows "0 / 12" and "Result: 0". The console shows the following log messages:

```
0 / 5 = 0
0 / 7 = 0
0 / 12 = 0
```

The code in the background shows the `divi` function being executed:

```
function divi() {
  const operand1 = currentResult;
  const operand2 = getUserInput();
  currentResult = operand1 / operand2;
  console.log(`${operand1} / ${operand2} = ${currentResult}`);
  const calcText = `${operand1} / ${operand2}`;
  outputResult(currentResult, calcText);
}
```

W01-P6: 能做四則計算，加減乘除都要執行一遍，可任意順序，結果要正確

app.js - 1112-1N-js-demo-211410674 - Visual Studio Code

demo > js > app.js

```
3 console.log(`${operand1} + ${operand2} = ${currentResult}`);
3 const calcText = `${operand1} + ${operand2}`;
3 outputResult(currentResult, calcText);
4
4
4
4
4 function sub() {
4   const operand1 = currentResult;
4   const operand2 = getUserInput();
4   currentResult = operand1 - operand2;
4   console.log(`${operand1} - ${operand2} = ${currentResult}`);
4   const calcText = `${operand1} - ${operand2}`;
4   outputResult(currentResult, calcText);
5 }
5
5
5 function mult() {
5   const operand1 = currentResult;
5   const operand2 = getUserInput();
5   currentResult = operand1 * operand2;
5   console.log(`${operand1} * ${operand2} = ${currentResult}`);
5   const calcText = `${operand1} * ${operand2}`;
6   outputResult(currentResult, calcText);
6 }
6
6 function divi() {
6   const operand1 = currentResult;
6   const operand2 = getUserInput();
6   currentResult = operand1 / operand2;
6   console.log(`${operand1} / ${operand2} = ${currentResult}`);
6   const calcText = `${operand1} / ${operand2}`;
6   outputResult(currentResult, calcText);
7 }
7
74
```

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127.0.0.1:5500/demo/index.html

The Unconventional Calculator

5

+

-

*

/

0 / 5

Result: 0

DevTools is now available in Chinese!

Always match Chrome's language Switch DevTools to Chinese x

Don't show again

Elements Console >> 1

Default levels top Filter

1 issue: 1

Live reload enabled. index.html:61

0 + 5 = 5 app.js:37

5 - 5 = 0 app.js:47

0 * 5 = 0 app.js:58

0 / 5 = 0 app.js:67

在此輸入要搜尋的內容 UTF-8 CRLF JavaScript Port: 5500 kiter: ready 4 Spell Prettier

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