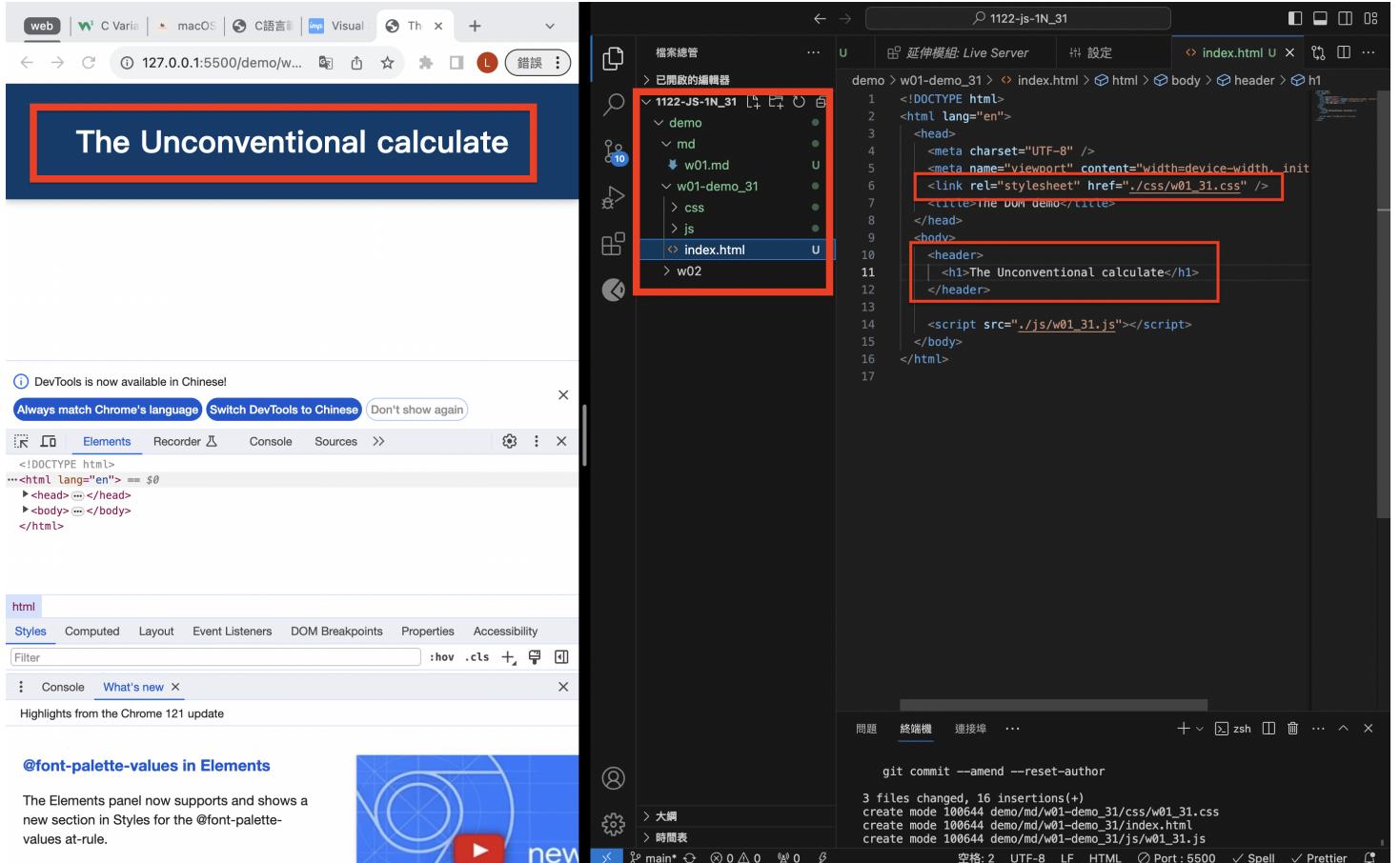


W01-P1: Show the w01-dom title



4588808 陳亮瑜 Thu Feb 22 19:36:11 2024 +0800 ### W01-P1: Show the w01-dom title

W01-P2: Implement add function

The screenshot shows a browser window with two tabs: 'w01_demo_31' and 'w01_31.js'. The left side displays a calculator interface with a large input field containing '50' and four operation buttons (+, -, *, /). Below it is another input field showing '40 + 50' and a result 'Result: 90'. The right side shows the source code for 'w01_31.js' with a red box highlighting the 'add' function. The code implements addition by logging the operands and result to the console.

```
// 數值會改變，設let變數
let currentResult = defaultResult;

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

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

//add程式
//operand運算元
function add() {
  const operand1 = currentResult;
  const operand2 = getUserInput();
  //console.log(operand1, operand2, operand1 + operand2);
  //相加
  currentResult = operand1 + operand2;
  // 字串裡面可以夾整數
  console.log(`${operand1} + ${operand2} = ${currentResult}`);
}

//mouse click後交給add程式處理
addBtn.addEventListener('click', add);
```

DevTools is now available in Chinese!

Always match Chrome's language Switch DevTools to Chinese Don't show again

Console

```
0 + 10 = 10  
10 + 30 = 40  
40 + 50 = 90
```

What's new

問題 終端機 連接埠 POSTMAN CONSOLE 輸出 備註主控台

```
(base) liangyu@chenLianguyudeMacBook-Pro 1122-  
js-1N_31 % git log --pretty=format:"%h%x09%an%x09%ad%x09%" --after="2024-02-20"  
458808 陳亮瑜 Thu Feb 22 19:36:11 2024 +0800 ### W01-P1: Show the w01-dom title  
1f14aa8 陳亮瑜 Thu Feb 22 19:02:47 2024 +0800 1122-  
js-1N_31 %
```

1569fb9 陳亮瑜 Thu Feb 22 21:08:55 2024 +0800 ### W01-P2: Implement add function

W01-P3: Implement subtract function

The screenshot shows a development setup with multiple windows:

- Code Editor:** A file named `w01_31.js` is open, containing JavaScript code for a calculator. A red box highlights the subtraction logic in lines 53-63.
- Browser:** A web browser window titled "The Unconventional calculate" displays a calculator interface. It shows the number 10 in a box above four operation buttons (+, -, *, /). Below the buttons, a red box highlights the subtraction operation $40 - 10$ and the result "Result: 30".
- Terminal:** A terminal window shows the command `git clone` being run to clone a GitHub repository. The output indicates the repository has moved to a new location: `remote: This repository moved. Please use the new location:
remote: https://github.com/Liangyu9103/1122-j-s-demo_31.git
To https://github.com/Liangyu9103/1122-j-s-IN_31.git`
- DevTools:** The browser's developer tools are open, showing the "Console" tab. It contains the results of the subtraction operation: `0 + 40 = 40` and `40 - 10 = 30`. A red box highlights these entries.

a208304 陳亮瑜 Thu Feb 22 21:16:14 2024 +0800 ### W01-P3: Implement subtract function

W01-P4: Implement multiply function

The screenshot shows a development setup with several windows:

- Code Editor:** A file named `w01_31.js` is open, containing JavaScript code. A red box highlights the `multiply` function definition:

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

multiplyBtn.addEventListener('click', multiply);
```
- Browser:** A web browser window titled "The Unconventional calculate" is displayed. It shows a digital calculator interface with a display showing "4" and four operation buttons (+, -, *, /). Below the display, a red box highlights the multiplication input "50 * 4" and the result "Result: 200".
- Terminal:** A terminal window titled "主控台" (Console) shows command-line history and logs. A red box highlights the log entries:

```
0 + 5 = 5
5 * 2 = 10
10 * 5 = 50
50 * 4 = 200
```
- Bottom Status Bar:** Shows various system icons and status information.

b6fcfa3f 陳亮瑜 Thu Feb 22 21:23:11 2024 +0800 ### W01-P4: Implement multiply function

W01-P5: Implement divide function

The screenshot shows a code editor and a browser window. In the code editor, the `w01_31.js` file contains the implementation of the `divide` function. A red box highlights the code for handling division by zero and performing the actual division. The browser window shows a simple calculator interface with a result of 0. A modal dialog box displays the error message "cannot divide by 0".

```
75 multiplyBtn.addEventListener('click', multiply);
76
77 //divide
78 function divide() {
79     const operand1 = currentResult;
80     const calTest = `${operand1} / ${getUserInput()}`;
81     if (operand2 === 0) alert('cannot divide by 0');
82     else {
83         currentResult = operand1 / operand2;
84         const calTest = `${operand1} / ${operand2}`;
85         console.log(`${operand1} / ${operand2} = ${currentResult}`);
86         outputResult(currentResult, calTest);
87     }
88
89
90 divideBtn.addEventListener('click', divide);
```

git config --global --edit
設定完畢後，你可以用下面的指令來修正本次提交所使用的使用者身份：
git commit --amend --reset-author
3 files changed, 19 insertions(+), 1 deletion(-)
create mode 100644 demo/md/w01-p4.png
● (base) liangyu@chenliangyudeMacBook-Pro 1122-js-IN_31 % git push
放棄物件：16, 完成。
物件計數中: 100% [16/16], 完成。
使用 8 個執行緒進行壓縮。
壓縮物件中: 100% (8/8), 完成。
寫入物件中: 100% (9/9), 962,22 KiB | 29.16 MiB/s, 完成。
總共 9 (差異: 4). 復用 0 (差異: 0), 重用包 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
remote: This repository moved. Please use the new location:
remote: https://github.com/liangyu9103/1122-js-demo_31.git
To https://github.com/liangyu9103/1122-js-IN_31.git
 a298304..bf5ca3f main -> main
● (base) Liangyu@chenliangyudeMacBook-Pro 1122-js-IN_31 % git log --pretty=format:"%h%x09 %an%x09%ad%x09%as" --after="2024-02-20"
bf5ca3f 謝亮瑜 Thu Feb 22 21:23:11 2024 +0800 ### W01-P4: Implement multiply function
a208304 謝亮瑜 Thu Feb 22 21:16:14 2024 +0800 ### W01-P3: Implement subtract function
1569fb9 謝亮瑜 Thu Feb 22 21:08:55 2024 +0800 ### W01-P2: Implement add function
4588808 謝亮瑜 Thu Feb 22 19:36:11 2024 +0800 ### W01-P1: Show the w01-dom title
1f14aa8 謝亮瑜 Thu Feb 22 19:02:47 2024 +0800 1122-js-IN_31
○ (base) liangyu@chenliangyudeMacBook-Pro 1122-js-IN_31 %

The screenshot shows a code editor and a browser window. The code editor displays the implementation of four arithmetic functions: `add`, `subtract`, `multiply`, and `divide`. A red box highlights the `add` function. The browser window shows a calculator interface with a result of 2. Below the calculator, the text "The Unconventional calculate" is displayed. The browser's developer tools show the history of operations: 0 + 50 = 50, 50 - 10 = 40, 40 * 5 = 200, and 200 / 2 = 100.

```
38 //operand運算元
39 function add() {
40     const operand1 = currentResult;
41     const operand2 = getUserInput();
42     //相加
43     currentResult = operand1 + operand2;
44     //「字符串裡面可以夾變數」
45     const calTest = `${operand1} + ${operand2}`;
46     console.log(`${operand1} + ${operand2} = ${currentResult}`);
47     outputResult(currentResult, calTest);
48 }
49
50 //mouse click後交給add程式處理
51 addBtn.addEventListener('click', add);
52
53 //subtract程式
54 function subtract() {
55     const operand1 = currentResult;
56     const operand2 = getUserInput();
57     currentResult = operand1 - operand2;
58     const calTest = `${operand1} - ${operand2}`;
59     console.log(`${operand1} - ${operand2} = ${currentResult}`);
60     outputResult(currentResult, calTest);
61 }
62
63 //multiply
64 function multiply() {
65     const operand1 = currentResult;
66     const operand2 = getUserInput();
67     currentResult = operand1 * operand2;
68     const calTest = `${operand1} * ${operand2}`;
69     console.log(`${operand1} * ${operand2} = ${currentResult}`);
70     outputResult(currentResult, calTest);
71 }
72
73 multiplyBtn.addEventListener('click', multiply);
74
75 //divide
76 function divide() {
77     const operand1 = currentResult;
78     const operand2 = getUserInput();
79     if (operand2 === 0) alert('cannot divide by 0');
80     else {
81         currentResult = operand1 / operand2;
82     }
83 }
```

0 + 50 = 50
50 - 10 = 40
40 * 5 = 200
200 / 2 = 100

32345a3 陳亮瑜 Thu Feb 22 21:33:03 2024 +0800 ### W01-P5: Implement divide function

W01-Log:

```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2024-02-20"
```