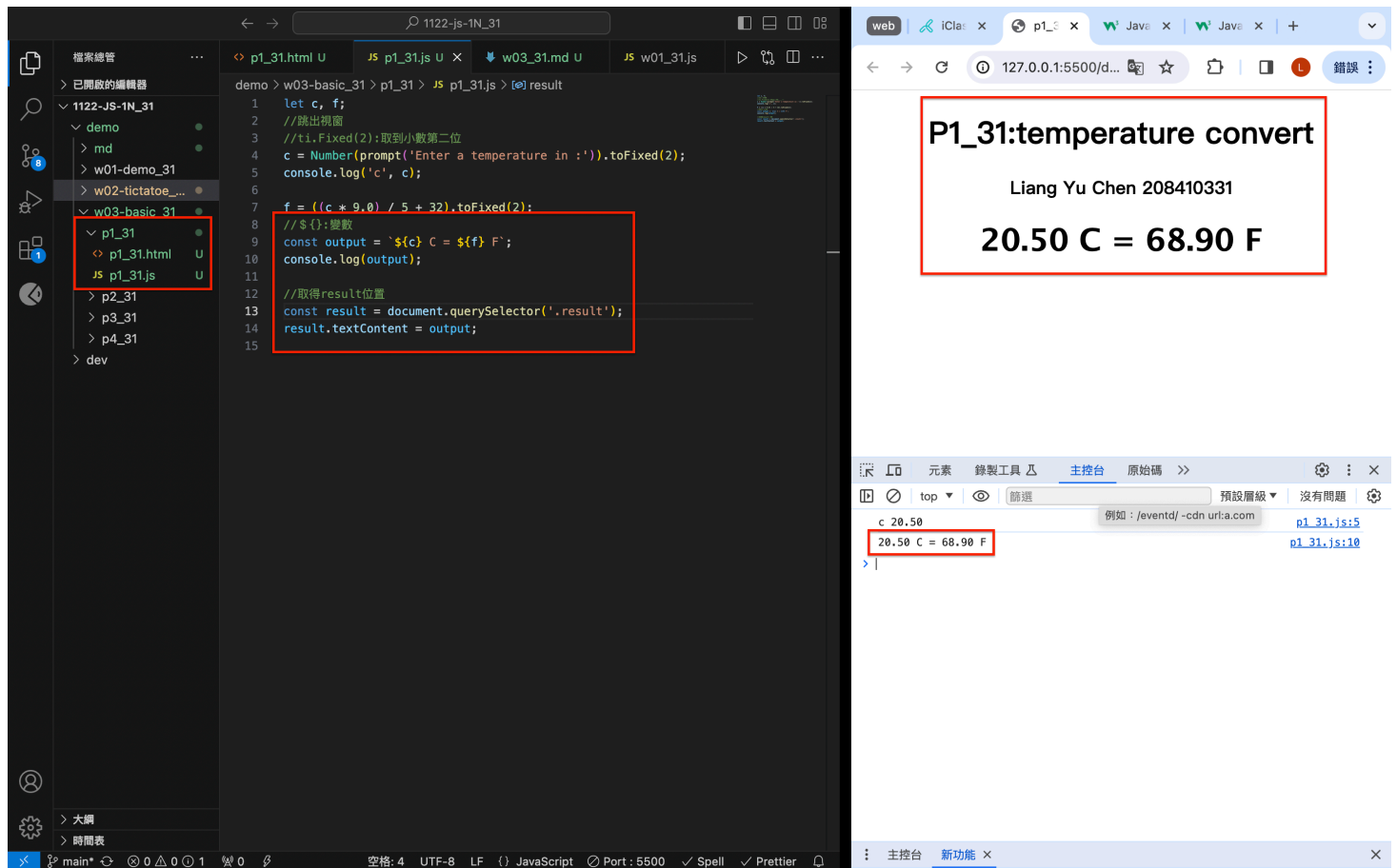


# W03-P1: P1\_31 temperature convert



ccab9ca 陳亮瑜 Thu Mar 7 19:10:05 2024 +0800 ### W030-P1: P1\_31 temperature convert

# W03-P2: P2\_xx temperature convert using Web

=> From C to F

127.0.0.1:5500/demo/w03-basic\_31/p2\_31/p2\_31.html

☆

有新版 Chrome 可安裝

The Temperature Converter

20.5

C

F

20.5 C = 68.90 F

=> From F to C

127.0.0.1:5500/demo/w03-basic\_31/p2\_31/p2\_31.html

有新版 Chrome 可安裝

The Temperature Converter

68.9

C

F

68.9 F = 20.50 C

7fde93b 陳亮瑜 Sat Mar 9 10:46:19 2024 +0800 ### W03-P2: P2\_xx temperature convert us

## W03-P3: import sdata and students data from data\_xx.js

The screenshot displays a web development environment with a code editor and a browser. The code editor shows two files: `data_31.js` and `p3_31.js`.

**data\_31.js** (lines 1-31):

```
1 //export到data_31.js
2 //30812: 學生資料
3 export const sdata = [90, 100, 60, 40, 20, 80];
4
5 export const students = [
6   {
7     id: 1,
8     name: 'peter',
9     score: 80,
10  },
11  {
12    id: 2,
13    name: 'john',
14    score: 90,
15  },
16  {
17    id: 3,
18    name: 'amy',
19    score: 50,
20  },
21  {
22    id: 4,
23    name: 'david',
24    score: 30,
25  },
26  {
27    id: 5,
28    name: 'susan',
29    score: 100,
30  },
31  ];
```

**p3\_31.js** (lines 1-6):

```
1 //從data_31.js匯入import sdata
2 import { sdata, students } from './data_31.js';
3
4 console.log('sdata', sdata);
5 console.log('students', students);
6
```

The browser window shows the title "P3\_31: Array and" and the name "Liang Yu Chen 208410331". The console output shows the following data:

**sdata** (6) [90, 100, 60, 40, 20, 80]

- 0: 90
- 1: 100
- 2: 60
- 3: 40
- 4: 20
- 5: 80
- length: 6

**students** (5) [{"id": 1, "name": "peter", "score": 80}, {"id": 2, "name": "john", "score": 90}, {"id": 3, "name": "amy", "score": 50}, {"id": 4, "name": "david", "score": 30}, {"id": 5, "name": "susan", "score": 100}]

The console also shows the following output:

```
443eefe..ccab9ca main -> main
(base) liangyu@chenliangyuMacBook-Pro 1122-js-1N_31 % git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2024-03-05"
ccab9ca 陳亮瑜 Thu Mar 7 19:10:05 2024 +0800 ### W03-P1: P1_31 temperature convert
(base) liangyu@chenliangyuMacBook-Pro 1122-js-1N_31 %
```

354d654 陳亮瑜 Thu Mar 7 20:15:13 2024 +0800 ### W03-P3: import sdata and students data

# W03-P4: Compute highest and lowest score of sdata and students2

JS data\_31.js JS p3\_31.js M X p3\_31.html M w03\_31.md M JS w01\_31.js

```
demo > w03-basic_31 > p3_31 > JS p3_31.js > ...
1 //從data_31.js匯入import sdata,students資料
2 import { sdata, students } from './data_31.js';
3
4 console.log('sdata original', sdata);
5 console.log('students', students);
6
7 sdata.sort();
8 //alphabetically:由字母排序
9 console.log('sdata after sorting alphabetically', sdata);
10
11 //b-a由大到小排序
12 sdata.sort(function (a, b) {
13     return b - a;
14 });
15 //descending:由數字排序
16 console.log('sdata after sorting descending', sdata);
17 console.log('The highest score: ${sdata[0]}');
18 console.log('The lowest score: ${sdata[sdata.length - 1]}');
19
20 //map: function裡每個student都走一遍，轉成另一個function
21 //在student2陣列裡面，加入student陣列的東西，再另外新增role到students2陣列
22 const students2 = students.map((student) => {
23     return { ...student, role: 'student' };
24 });
25
26 students2.sort(function (a, b) {
27     return b.score - a.score;
28 });
29
30 //印出最大成績
31 console.log('students2 sorted descending', students2);
32 console.log('The highest score: ${students2[0].score}');
33 console.log('The lowest score: ${students2[students2.length - 1].score}');
34
```

ccab9ca 陳亮瑜 Thu Mar 7 19:10:05 2024 +0800 ### W030-P1: P1\_31 temperature convert

web | iClass | JavaS | JavaS | p3\_31 | +

127... 有新版 Chrome 可安裝

P3\_31: Array and Object

Liang Yu Chen 208410331

主控台 原始碼 效能深入分析 >> 沒有問題

sdata original ▶ (6) [90, 100, 60, 40, 20, 80] p3\_31.js:4

students ▼ (5) [{id: 1, name: 'peter', score: 80}, {id: 2, name: 'john', score: 90}, {id: 3, name: 'amy', score: 50}, {id: 4, name: 'david', score: 30}, {id: 5, name: 'susan', score: 100}] p3\_31.js:5

sdata after sorting alphabetically ▶ (6) [100, 20, 40, 60, 80, 90] p3\_31.js:9

sdata after sorting descending ▶ (6) [100, 90, 80, 60, 40, 20] p3\_31.js:16

The highest score: 100 p3\_31.js:17

The lowest score: 20 p3\_31.js:18

students2 sorted descending ▼ (5) [{id: 5, name: 'susan', score: 100, role: 'student'}, {id: 2, name: 'john', score: 90, role: 'student'}, {id: 1, name: 'peter', score: 80, role: 'student'}, {id: 3, name: 'amy', score: 50, role: 'student'}, {id: 4, name: 'david', score: 30, role: 'student'}] p3\_31.js:31

The highest score: 100 p3\_31.js:32

The lowest score: 30 p3\_31.js:33

2c77103 陳亮瑜 Thu Mar 7 20:53:12 2024 +0800 ### W03-P4: Compute highest and lowest s

## W03-Log:

git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2024-03-05"

7fde93b	陳亮瑜	Sat Mar 9 10:46:19 2024 +0800	### W03-P2: P2_xx temperature convert us
2c77103	陳亮瑜	Thu Mar 7 20:53:12 2024 +0800	### W03-P4: Compute highest and lowest s
354d654	陳亮瑜	Thu Mar 7 20:15:13 2024 +0800	### W03-P3: import sdata and students da
ccab9ca	陳亮瑜	Thu Mar 7 19:10:05 2024 +0800	### W030-P1: P1_31 temperature convert