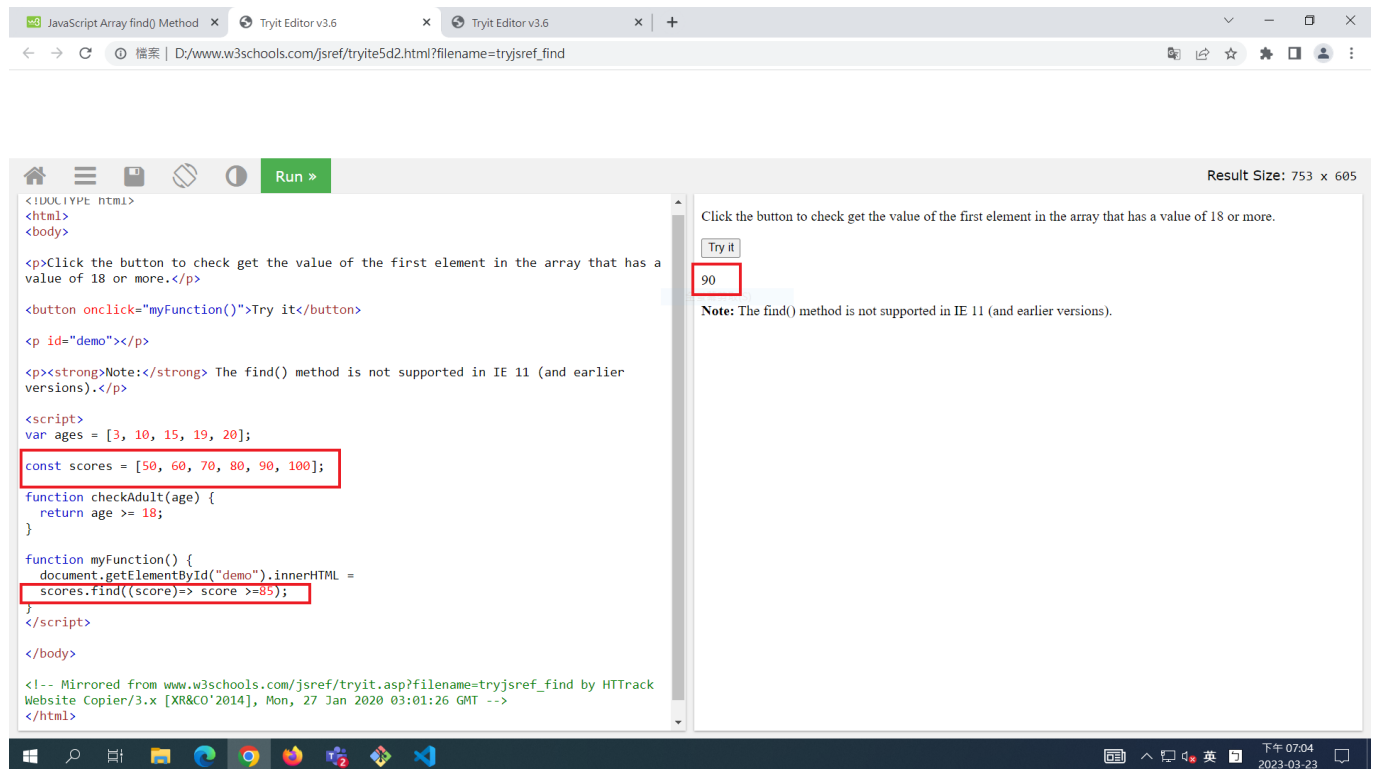


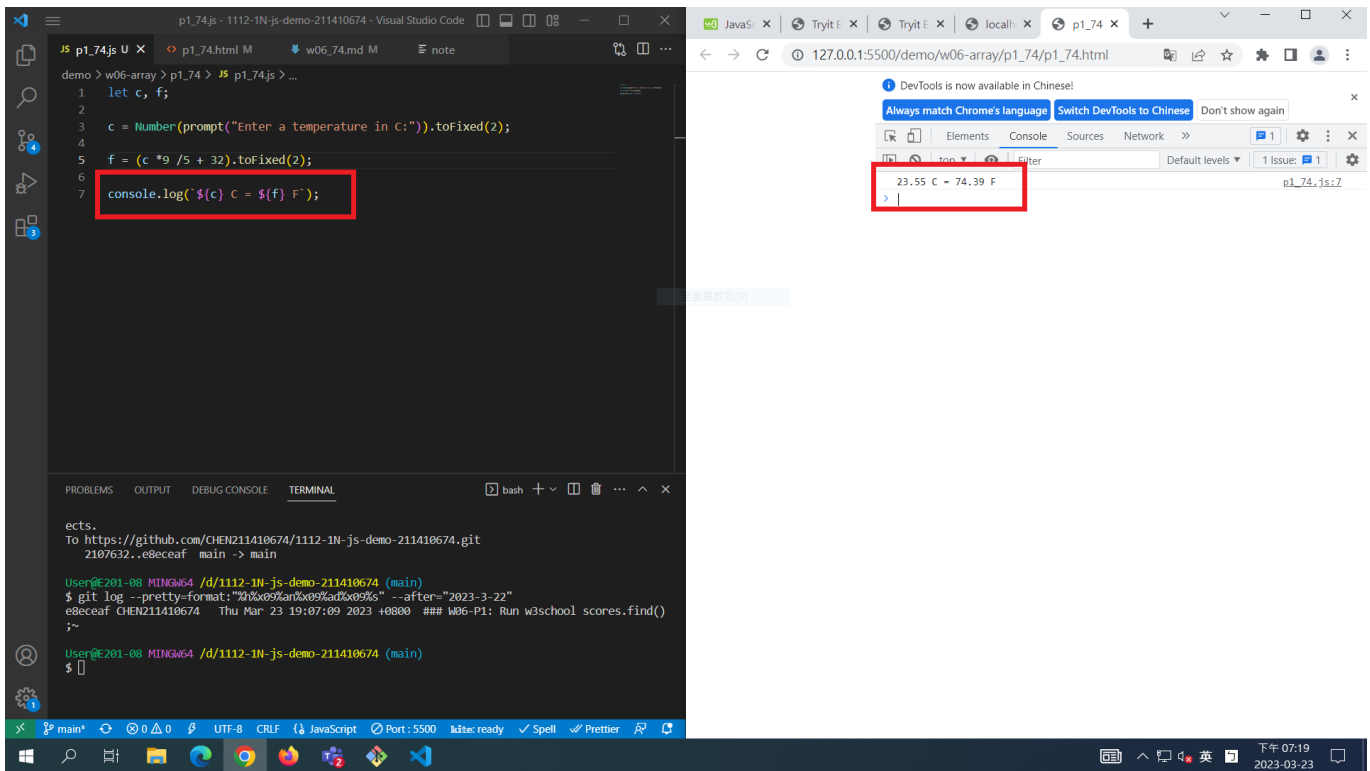
[Github] (<https://github.com/CHEN211410674/1112-1N-js-demo-211410674.git>)

W06-P1: Run w3school scores.find();



```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
e8ecef CHEN211410674 Thu Mar 23 19:07:09 2023 +0800 ### W06-P1: Run w3school
scores.find();~
```

W06-P2: temperature convert from C to F

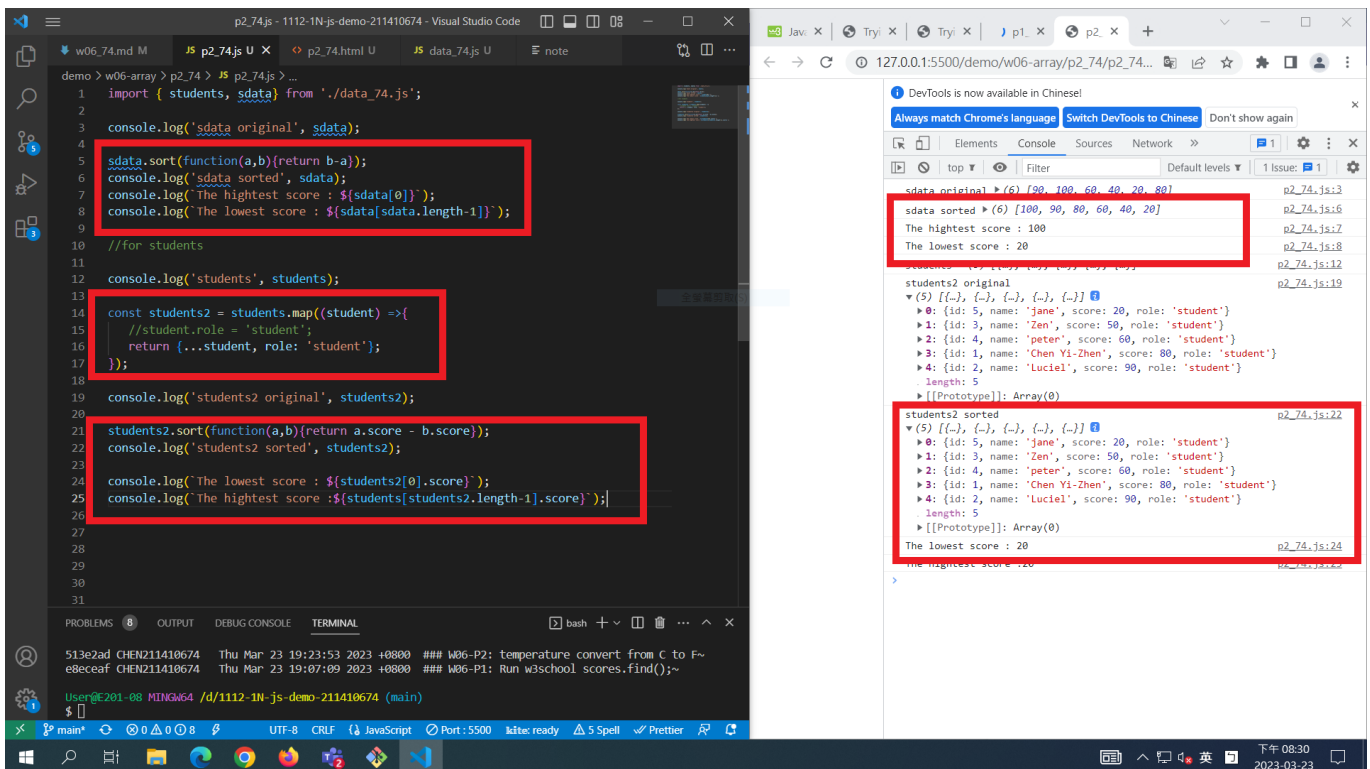


```

git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
513e2ad CHEN211410674 Thu Mar 23 19:23:53 2023 +0800 ### W06-P2: temperature
convert from C to F~

```

W06-P3: import students and sdata array and do sorting, find the highest and lowest score



```

git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
f370677 CHEN211410674 Thu Mar 23 20:32:45 2023 +0800 ### W06-P3: import

```

students and sdata array and do sorting, find the highest and lowest score~

W06-P4: compute the average of students and sdata array

The screenshot shows a Visual Studio Code editor on the left with a JavaScript file named `p2_74.js`. The code defines an array of student objects, sorts them by score, and calculates the average score. The browser window on the right shows the output of the code, including the sorted student array and the calculated average score of 65.

```

27 console.log('students2 original', students2);
28
29 students2.sort(function(a,b){return a.score - b.score}); //由大到小排序
30 console.log('students2 sorted', students2);
31
32 console.log('The lowest score: ${students2[0].score}');
33 console.log('The highest score: ${students2[students2.length-1].score}');
34
35 //sdata
36 console.log('sdata', sdata);
37
38 const sdata2 = students.map((student) => {
39   return {...student, role: 'student'};
40 });
41 console.log('sdata', sdata);
42
43 const averageSdata = sdata.reduce((total, student, index) => {
44   console.log('index total', index, total);
45   return total + student.score;
46 }, 0)/sdata.length;
47 console.log('Sdata average', averageSdata); //Sdata: Unknown word.
48 console.log('sdata2 original', sdata2);
49
50 sdata2.sort(function(a,b){return a.score - b.score}); //由大到小排序
51 console.log('sdata2 sorted', sdata2);
52 console.log('The lowest score: ${sdata2[0].score}');
53 console.log('The highest score: ${sdata2[sdata2.length-1].score}');
54
55
56
57
58
59
60
61
62

```

Browser Output:

```

sdata = Array(5) [100, 80, 60, 40, 20]
  0: 100
  1: 80
  2: 60
  3: 40
  4: 20
  length: 5
  __proto__: Array[]

index total 0 0
index total 1 100
index total 2 180
index total 3 270
index total 4 330
index total 5 370
Sdata average 65

sdata2 original = Array(5) [100, 80, 60, 40, 20]
sdata2 sorted = Array(5) [100, 80, 60, 40, 20]

```

```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
898c5fa CHEN211410674 Fri Mar 24 17:39:58 2023 +0800 ### W06-P4: compute the
average of students and sdata array
```

W06-P5: Temperature convert C2F(), F2C() using Web interface

C2F

The screenshot shows a Visual Studio Code editor on the left with a JavaScript file named `p3_74.js`. The code implements a temperature converter using jQuery. The browser window on the right shows the web interface of the converter, which displays the input value 25.2 and the converted value 25.2 F = -3.78 C.

```

1 const userInput = document.querySelector("#input-number");
2 const btn = document.querySelector("#btn-c");
3 const btnF = document.querySelector("#btn-f");
4 const currentCalculationOutput = document.querySelector("#current-calculation");
5
6 function getUserInput() {
7   return parseFloat(userInput.value);
8 }
9
10 function outputResult(text) {
11   currentCalculationOutput.textContent = text;
12 }
13
14 function c() {
15   const operand1 = getUserInput();
16   const calcText = `${operand1} * 9/5 + 32`;
17   const outputText = `${operand1} C = ${calcText} F`;
18   outputResult(outputText);
19 }
20
21 function f() {
22   const operand1 = getUserInput();
23   const calcText = `((${operand1} - 32) * 5/9).toFixed(2)`;
24   const outputText = `${operand1} F = ${calcText} C`;
25   outputResult(outputText);
26 }
27
28 btn.addEventListener('click', c);
29 btnF.addEventListener('click', f);
30

```

Browser Output:

```

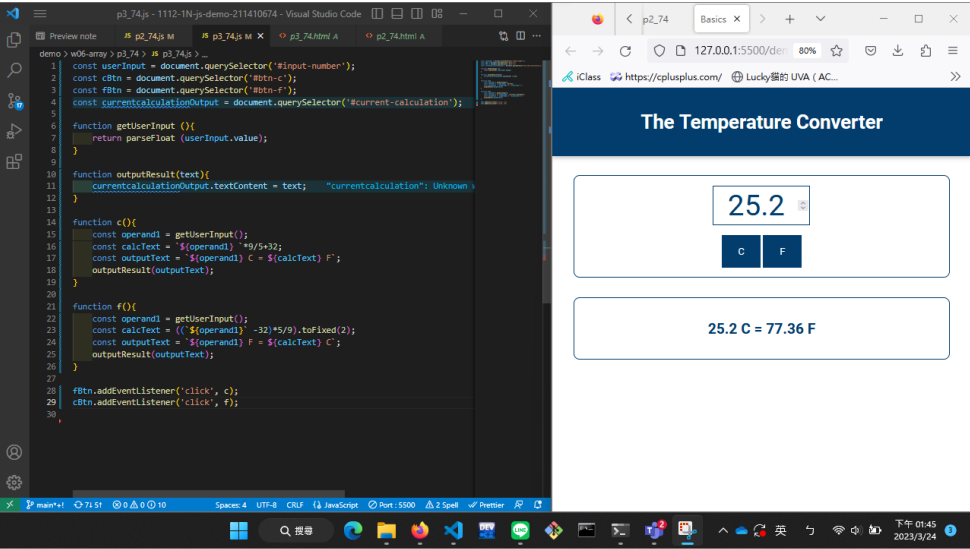
The Temperature Converter

25.2
C F

25.2 F = -3.78 C

```

F2C



```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
5f15146 CHEN211410674   Fri Mar 24 13:58:20 2023 +0800   ### W06-P5: Temperature
convert C2F(), F2C() using Web interface
```

ALL logs

```
MyStack@LAPTOP-FMWSKND6: /Desktop/1112-1N-js-demo-211410674 (main)
$ git push
Enumerating objects: 20, done.
Counting objects: 100% (20/20), done.
Delta compression using up to 16 threads
5f15146 CHEN211410674   Fri Mar 24 13:58:20 2023 +0800   ### W06-P5: Temperature convert C2F(), F2C() using Web Interface
5f15146 CHEN211410674   Fri Mar 24 13:58:20 2023 +0800   ### W06-P4: compute the average of students and sdata array
8be6f11 CHEN211410674   Thu Mar 23 21:54:44 2023 +0800   ### W06-P4: compute the average of students and sdata array
f370677 CHEN211410674   Thu Mar 23 20:32:45 2023 +0800   ### W06-P3: import students and sdata array and do sorting, find the highest and lowest score-
513ebcd CHEN211410674   Thu Mar 23 19:23:23 2023 +0800   ### W06-P2: temperature convert from C to F-
8be6eaf CHEN211410674   Thu Mar 23 19:07:09 2023 +0800   ### W06-P1: Run wdschool scores.find();-
```