

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

```
<!DOCTYPE html>
<html>
<body>

<h1>JavaScript Arrays</h1>
<h2>The filter() Method</h2>

<p>Click "Test" to get every element in the array that has a value above this number:</p>

<p><input type="number" id="ageToCheck" value="30"></p>
<button onclick="myFunction()">Test</button>

<p id="demo"></p>

<script>
const ages = [3,10,15,19,20];
const source=[50,60,70,80,90];

function checkAge(age) {
  return age > 18;
}

function myFunction() {
  document.getElementById("demo").innerHTML = source.find((source)=>d>85);
}
</script>

</body>
</html>
```

JavaScript Arrays

The filter() Method

Click "Test" to get every element in the array that has a value above this number:

W06-P2: temperature convert from C to F

```
p1_99.js U  p1_99.html U x
W06array > p1_99.html > html > head > meta
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta http-equiv="X-UA-Compatible" content="IE=edge">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>Document</title>
8  </head>
9  <body>
10   <script src="._/p1_99.js"></script>
11 </body>
12 </html>
```

DevTools failed to load source map: Error: File not found

23.55C= 74.39F

Channel: Error in handleResponse UNK/SW_UNREACHABLE isLogsEnabled null

Channel: Error in handleResponse UNK/SW_UNREACHABLE options getValues

Channel: Error in handleResponse UNK/SW_UNREACHABLE options getValues

Channel: Error in handleResponse UNK/SW_UNREACHABLE contextMenu createContextMenu

Channel: Error in handleResponse UNK/SW_UNREACHABLE tabClipper initCompleted

Channel: Error in handleResponse UNK/SW_UNREACHABLE options getValue

Channel: Error in handleResponse UNK/SW_UNREACHABLE options getValue

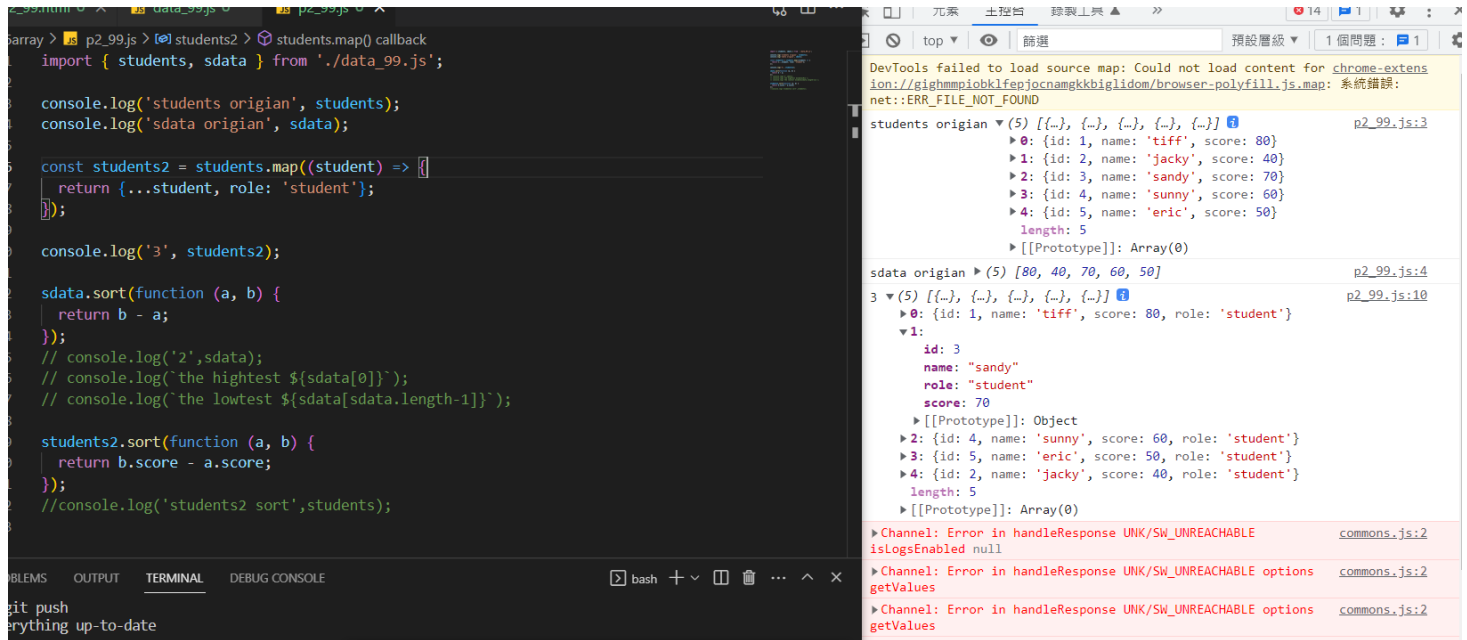
Uncaught (in promise) Error: Could not establish connection. Receiving end does not exist.

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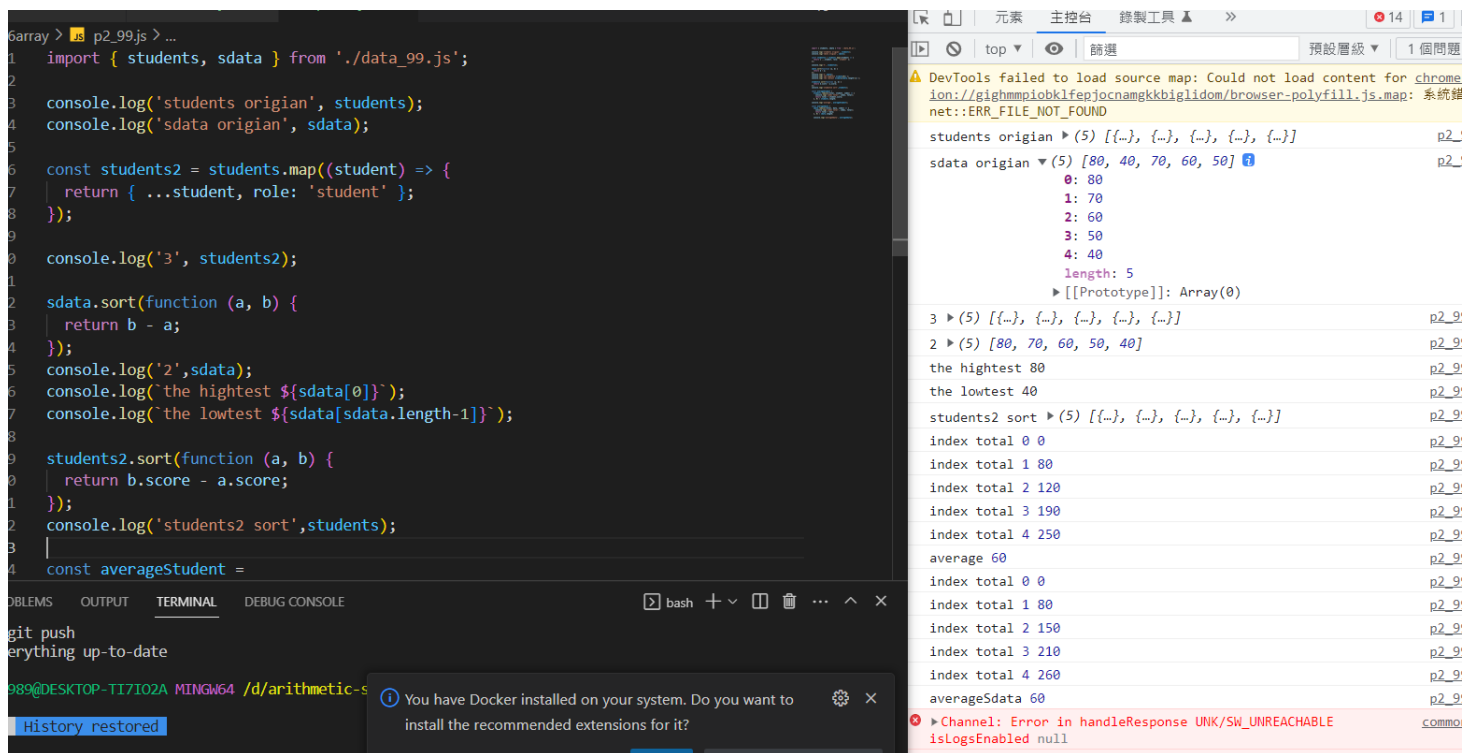
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W06-P3: import students and sdata array and do sorting, find the highest and lowest score



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



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

```
W06array > P3_99.js > btnC.addEventListener('click') callback
1  const btnC = document.getElementById('btn-c');
2  const btnF = document.getElementById('btn-f');
3  const userInput = document.querySelector('#input-number')
4
5  function getUserInput() {
6    return parseInt(userInput.value);
7  }
8
9  btnC.addEventListener('click', () => {
10   const value = getUserInput();
11   // console.log('test',getUserInput());
12   document.getElementById('current-calculation').innerHTML
13   ((9 / 5) * value+ 32).toFixed(2);
14 });
15
16 btnF.addEventListener('click', () => {
17   const value = getUserInput();
18   // console.log('test',getUserInput());
19   document.getElementById('current-calculation').innerHTML
20   (value - 32) /
21   1.8
22   ).toFixed(2);
23 });
24
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE bash + - [] [] ... ^ x

```
$ git push
Everything up-to-date

a0989@DESKTOP-TI7I02A MINGW64 /d/arithmetic-starter (main)
$
```

The Temperature Converter

C

F

33.80

```
W06array > P3_99.js > btnC.addEventListener('click') callback
1  const btnC = document.getElementById('btn-c');
2  const btnF = document.getElementById('btn-f');
3  const userInput = document.querySelector('#input-number')
4
5  function getUserInput() {
6    return parseInt(userInput.value);
7  }
8
9  btnC.addEventListener('click', () => {
10   const value = getUserInput();
11   // console.log('test',getUserInput());
12   document.getElementById('current-calculation').innerHTML
13   ((9 / 5) * value+ 32).toFixed(2);
14 });
15
16 btnF.addEventListener('click', () => {
17   const value = getUserInput();
18   // console.log('test',getUserInput());
19   document.getElementById('current-calculation').innerHTML
20   (value - 32) /
21   1.8
22   ).toFixed(2);
23 });
24
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE bash + - [] [] ... ^

```
$ git push
Everything up-to-date

a0989@DESKTOP-TI7I02A MINGW64 /d/arithmetic-starter (main)
$ History restored

a0989@DESKTOP-TI7I02A MINGW64 /d/arithmetic-starter (main)
$
```

The Temperature Converter

C

F

-17.22