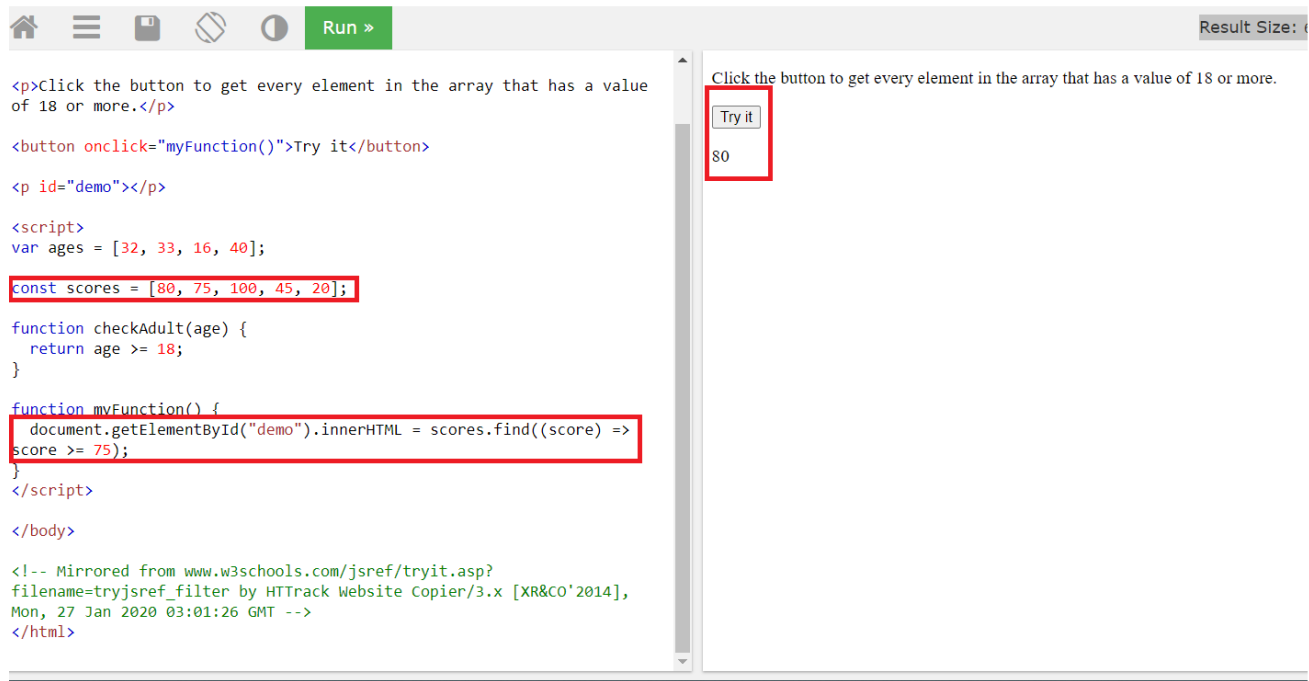


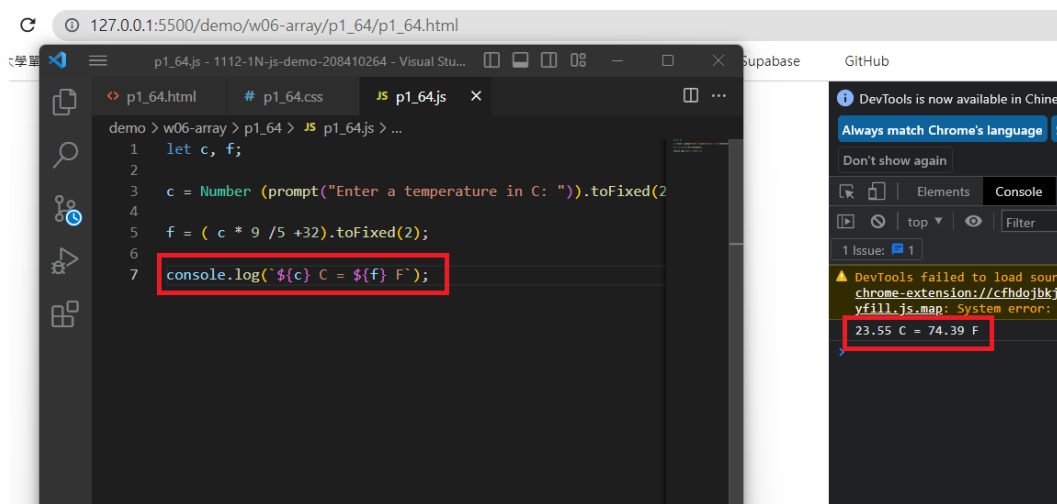
```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
```

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



Thu Mar 23 20:11:08 2023 +0800 W06-P1: Run w3school scores.find();

W06-P2: temperature convert from C to F



Thu Mar 23 19:42:00 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

```
demo > w06-array > p2_64 > JS p2_64.js > ...
1 import { students, sdata } from './data_64.js';
2
3 // for sdata
4
5 console.log("sdata original", sdata);
6
7 sdata.sort( function(a,b){return b-a});
8 console.log("sdata sorted", sdata);
9 console.log(`The highest score: ${sdata[0]}`);
10 console.log(`The lowest score: ${sdata[sdata.length-1]}`);
11
12 // for students
13
14 console.log("students", students);
15
16 const students2 = students.map((student) => {
17   // student.role = "student";
18   return {...student, role: "student"};
19 });
20
21 console.log("students2 original", students2);
22
23 students2.sort(function(a,b){return a.score - b.score });
24 console.log("student2 sorted", students2);
25
26 console.log(`The lowest score: ${students2[0].score}`);
27 console.log(`The highest score: ${students2[students2.length-1].score}`);
28
29
30
31
```

DevTools is now available in Chinese!
always match Chrome's language Switch DevTools to Chinese

Issue: 1

DevTools failed to load source map: Could not load content for chrome-extension://cfhdojbkjhknk1bpdccddiliffdb/browser-polyfill.js.map: System error: net::ERR_FILE_NOT_FOUND

sdata original ▶ (5) [80, 75, 100, 45, 20] p2_64.js:5

sdata sorted ▶ (5) [100, 80, 75, 45, 20] p2_64.js:8

The highest score: 100 p2_64.js:9

The lowest score: 20 p2_64.js:10

students ▼ (5) [{"id": 1, "name": "Peter", "score": 80}, {"id": 2, "name": "Cherry", "score": 75}, {"id": 3, "name": "Tenz", "score": 100}, {"id": 4, "name": "Steven", "score": 45}, {"id": 5, "name": "Ben", "score": 20}] p2_64.js:15

students2 original ▶ (5) [{"id": 1, "name": "Peter", "score": 80, "role": "student"}, {"id": 2, "name": "Cherry", "score": 75, "role": "student"}, {"id": 3, "name": "Tenz", "score": 100, "role": "student"}, {"id": 4, "name": "Steven", "score": 45, "role": "student"}, {"id": 5, "name": "Ben", "score": 20, "role": "student"}] p2_64.js:22

student2 sorted ▼ (5) [{"id": 5, "name": "Ben", "score": 20, "role": "student"}, {"id": 4, "name": "Steven", "score": 45, "role": "student"}, {"id": 2, "name": "Cherry", "score": 75, "role": "student"}, {"id": 1, "name": "Peter", "score": 80, "role": "student"}, {"id": 3, "name": "Tenz", "score": 100, "role": "student"}] p2_64.js:25

The lowest score: 20 p2_64.js:27

The highest score: 100 p2_64.js:28

Thu Mar 23 20:34:36 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


```
15
16 const students2 = students.map((student) => {
17   // student.role = "student";
18   return {...student, role: "student"};
19 });
20
21 console.log("students2 original", students2);
22
23 students2.sort(function(a,b){return a.score - b.score });
24 console.log("student2 sorted", students2);
25
26 console.log(`The lowest score: ${students2[0].score}`);
27 console.log(`The highest score: ${students2[students2.length-1].score}`);
28
29
30 console.log("students", students);
31 const averageStudents = students.reduce( (total, student, index) => {
32   console.log("index total", index, total);
33   return total + student.score;
34 }, 0) / students.length;
35 console.log("Students average", averageStudents);
36
37
38 console.log("sdata sorted", sdata);
39 const sdataAverage = students.reduce( (total, student, index) => {
40   console.log("index total", index, total);
41   return total + student.score;
42 }, 0) / students.length;
43 console.log("Sdata average", sdataAverage);
```


Console Output:

```
The lowest score: 20
The highest score: 100
students
▼ (5) [{"-"}, {"-"}, {"-"}, {"-"}, {"-"}]
  0: {id: 1, name: 'Peter', score: 80}
  1: {id: 2, name: 'Cherry', score: 75}
  2: {id: 3, name: 'Tenz', score: 100}
  3: {id: 4, name: 'Steven', score: 45}
  4: {id: 5, name: 'Ben', score: 20}
  length: 5
  [[Prototype]]: Array(0)
index total 0 0
index total 1 80
index total 2 155
index total 3 255
index total 4 300
Students average 64
sdata sorted
▼ (6) [100, 79, 66, 60, 48, 40]
  0: 100
  1: 79
  2: 66
  3: 60
  4: 48
  5: 40
  length: 6
  [[Prototype]]: Array(0)
index total 0 0
index total 1 80
index total 2 155
index total 3 255
index total 4 300
Sdata average 64
```

Thu Mar 23 21:23:47 2023 +0800 W06-P4: compute the average of students and sdata array

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

C2F  w06-p5-1.png

F2C  w06-p5-2.png