

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

Supabase | Supabase | iClass | Account security | JavaScript Array find() Me | Tryit Editor v3.6 | Tryit Editor v3.6

D:/www.w3schools.com/jsref/tryite5d2.html?filename=tryjsref_find

Run »

```
<p>Click the button to check get the value of the first element in the array that has a value of 18 or more.</p>

<button onclick="myFunction()">Try it</button>

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

<p><strong>Note:</strong> The find() method is not supported in IE 11 (and earlier versions).</p>

<script>
var ages = [3, 10, 18, 20];

function checkAdult(age) {
  return age >= 18;
}

const scores = [50,60,70,80,90,100];

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

</body>

<!-- Mirrored from www.w3schools.com/jsref/tryit.asp?filename=tryjsref_find by HTTrack
Website Copier/3.x [XR&C0'2014], Mon, 27 Jan 2020 03:01:26 GMT -->
</html>
```

Result Size: 753 x 549

Click the button to check get the value of the first element in the array that has a value of 18 or more.

Try it

90

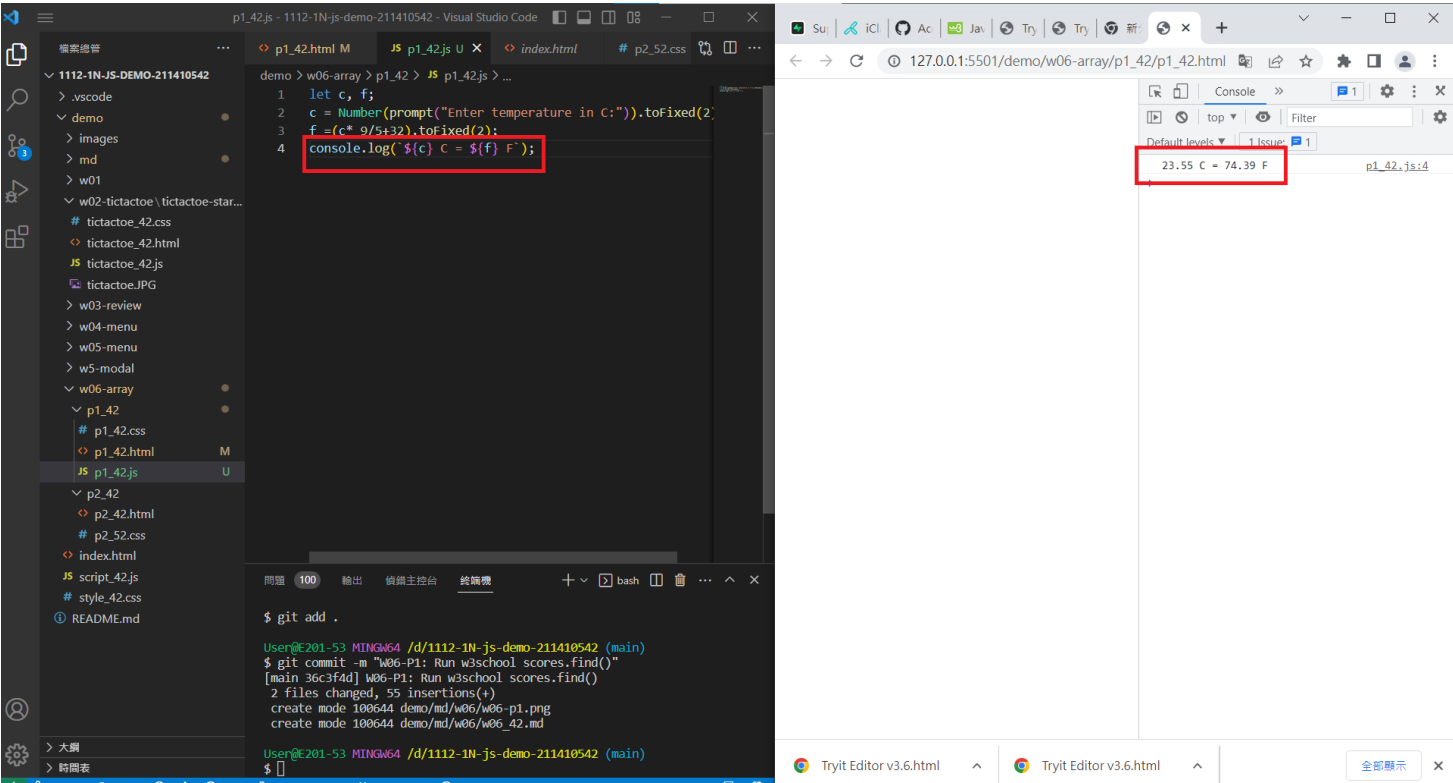
Note: The find() method is not supported in IE 11 (and earlier versions).

36c3f4d George0113

Thu Mar 23 19:07:29 2023 +0800

W06-P1: Run w3school scores.find()

W06-P2: temperature convert from C to F



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

1112-1N-JS-DEMO-211410542 - Visual Studio Code

demo > w06-array > p2_42 > JS p2_42.js > students2 > students.map() callback

1import {students, sdata} from './data.js';

2

3//for sdata

4

5console.log('students', students);

6

7sdata.sort(function(a,b){return b-a});

8console.log('sdata sorted',sdata);

9console.log('The highest score: \${sdata[0]}');

10console.log('The lowest score: \${sdata[sdata.length-1]}');

11

12

13console.log('sdata', sdata);

14

15

16const students2 = students.map((student)->{

17student.role = 'student';

18return {...student, role:'student'};

19});

20

21console.log('students2 original',students2);

22

23

24students2.sort(function(a,b){return a.score - b.score});

25console.log('students2',students2);

26

27console.log('The lowest score: \${students2[0].score}');

28console.log('The highest score: \${students2[students2.length-1].score}');

terminal

bash

To https://github.com/George0113/1112-1N-js-demo-211410542.git

\$ git log --pretty=format:"%h%x09%an%x09%ad%x09%as" --after="2023-3-22"

a138056 George0113 Thu Mar 23 19:23:55 2023 +0800 W06-P2: temperature convert from C to F

36c3f4d George0113 Thu Mar 23 19:07:29 2023 +0800 W06-P1: Run w3school scores.find()

c96b2d1 George0113 Thu Mar 23 18:42:18 2023 +0800 w06

c85db94 George0113 Thu Mar 23 18:14:54 2023 +0800 1111

User@E201-53 MINGW64 /d/1112-1N-js-demo-211410542 (main)

\$

127.0.0.1:5501/...

Console

top

Filter

Default levels

1 Issue: 1

students

p2_42.js:5

> (5) [(-), (-), (-), (-), (-)]

sdata sorted

p2_42.js:8

> (5) [100, 80, 60, 50, 40]

The highest score: 100

p2_42.js:9

The lowest score: 40

p2_42.js:10

sdata

p2_42.js:14

> (5) [100, 80, 60, 50, 40]

students2 original

p2_42.js:21

> (5) [(-), (-), (-), (-), (-)]

students2

p2_42.js:25

> (5) [(-), (-), (-), (-), (-)]

The lowest score: 40

p2_42.js:27

The highest score: 100

p2_42.js:28

Tryit Editor v3.6.html

全部显示

cdd924b George0113

Thu Mar 23 20:27:05 2023 +0800

W06-P3: import students and sdata array and do sorting, f

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

The screenshot shows a web application running in a browser at `127.0.0.1:5501/demo/w06-array/p2_4...`. The application displays student data and calculations in the console. The code in the background is as follows:

```
21 });
22
23 console.log('students2 original',students2);
24
25 students2.sort(function(a,b){return a.score - b.score});
26 console.log('students2',students2);
27
28 console.log('The lowest score: ${students2[0].score}');
29 console.log('The highest score: ${students2[students2.length-1].score}');
30
31
32 console.log('students',students);
33 const averageStudents = students.reduce((total, student, index) => {
34   console.log('index total',index,total);
35   return total + student.score;
36 }, 0) / students.length;
37 console.log('averageStudents',averageStudents);
38
39 console.log('sdata',sdata);
40 const averageSdata = sdata.reduce((total, student,index)=>{
41   console.log('index total',index,total);
42   return total + student;
43 }, 0) / sdata.length;
44 console.log('averageSdata',averageSdata);
45
46
47
```

The console output shows the following data and calculations:

```
students
▶ (5) [(-), (-), (-), (-), (-)] p2_42.js:5
sdata sorted
▶ (5) [100, 80, 60, 50, 40] p2_42.js:8
The highest score: 100 p2_42.js:9
The lowest score: 40 p2_42.js:10
sdata
▶ (5) [100, 80, 60, 50, 40] p2_42.js:16
students2 original
▶ (5) [(-), (-), (-), (-), (-)] p2_42.js:23
students2
▶ (5) [(-), (-), (-), (-), (-)] p2_42.js:27
The lowest score: 40 p2_42.js:29
The highest score: 100 p2_42.js:30
students
▶ (5) [(-), (-), (-), (-), (-)] p2_42.js:33
index total 0 0 p2_42.js:35
index total 1 100 p2_42.js:35
index total 2 150 p2_42.js:35
index total 3 210 p2_42.js:35
index total 4 290 p2_42.js:35
averageStudents 66 p2_42.js:39
sdata
▶ (5) [100, 80, 60, 50, 40] p2_42.js:41
index total 0 0 p2_42.js:43
index total 1 100 p2_42.js:43
index total 2 180 p2_42.js:43
index total 3 240 p2_42.js:43
index total 4 290 p2_42.js:43
averageSdata 66 p2_42.js:47
```

2d3367e George0113

Thu Mar 23 21:57:58 2023 +0800 W06-P4: compute the average of students and sdata array

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

The screenshot shows a Visual Studio Code editor on the left and a web browser on the right. The VS Code editor displays a JavaScript file named `p3_42.js` with the following code:

```
8 cBtn.addEventListener('click', () => {
9   const f = (getUserInput()*9/5+32);
10  console.log('123', f);
11  OutputC(f);
12 });
13
14
15
16
17
18 fBtn.addEventListener('click', () => {
19   const f = (getUserInput()*5/9-32);
20   OutputF(f);
21 });
22
23
24 function getUserInput(){
25   return parseInt(userInput.value);
26 }
27
28 function OutputC(text)
29 {
30   result.textContent = `${Number(userInput.value).toFixed(2)} C = ${text.toFixed(2)} F`;
31 }
32
33 function OutputF(text)
34 {
35   result.textContent = `${Number(userInput.value).toFixed(2)} F = ${text.toFixed(2)} C`;
36 }
37 console.log('btn-c', cBtn);
```

The web browser shows a page titled "The Temperature Converter". It features a text input field containing the number "25". Below the input field are two buttons: "C" and "F". The "C" button is highlighted with a red box. Below the buttons, the result is displayed as "25.00 C = 77.00F".

The screenshot shows a Visual Studio Code editor on the left and a web browser on the right. The VS Code editor displays the same JavaScript file `p3_42.js` as in the previous screenshot. The web browser shows the same "The Temperature Converter" page. In this instance, the "F" button is highlighted with a red box, and the result displayed is "25.00 F = -18.11C".

W06-logs

```
a2893@DESKTOP-PSTACFL MINGW64 ~/OneDrive/桌面/1112-1N-js-demo-211410542 (main)
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
6f1ed4b George0113      Fri Mar 24 00:55:29 2023 +0800 W06-P5: Temperature convert C2F(), F2C() using Web interface
31cf1b6 George0113      Thu Mar 23 22:00:00 2023 +0800 W06-P5: Temperature convert C2F(), F2C() using Web interface
2d3367e George0113      Thu Mar 23 21:57:58 2023 +0800 W06-P4: compute the average of students and sdata array
cdd924b George0113      Thu Mar 23 20:27:05 2023 +0800 W06-P3: import students and sdata array and do sorting, find the highest and lowest score
a130856 George0113      Thu Mar 23 19:23:55 2023 +0800 W06-P2: temperature convert from C to F
36c3f4d George0113      Thu Mar 23 19:07:29 2023 +0800 W06-P1: Run w3school scores.find()
c96b2d1 George0113      Thu Mar 23 18:42:18 2023 +0800 w06
c85db94 George0113      Thu Mar 23 18:14:54 2023 +0800 1111
```

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
e5be60e George0113      Fri Mar 24 00:58:34 2023 +0800 W06-log
6f1ed4b George0113      Fri Mar 24 00:55:29 2023 +0800 W06-P5: Temperature convert C2F(), F2C() using Web interf
31cf1b6 George0113      Thu Mar 23 22:00:00 2023 +0800 W06-P5: Temperature convert C2F(), F2C() using Web interf
2d3367e George0113      Thu Mar 23 21:57:58 2023 +0800 W06-P4: compute the average of students and sdata array
cdd924b George0113      Thu Mar 23 20:27:05 2023 +0800 W06-P3: import students and sdata array and do sorting, f
a130856 George0113      Thu Mar 23 19:23:55 2023 +0800 W06-P2: temperature convert from C to F
36c3f4d George0113      Thu Mar 23 19:07:29 2023 +0800 W06-P1: Run w3school scores.find()
c96b2d1 George0113      Thu Mar 23 18:42:18 2023 +0800 w06
c85db94 George0113      Thu Mar 23 18:14:54 2023 +0800 1111
```