Github repo urL

My Github repo URL

https://github.com/JKYROC/1111-sweb2-demo-208410349.git

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

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

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

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

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

<script>
var ages = [32, 33, 16, 40];

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

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

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

</body>

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

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

Try it

90

W06-P2: temperature convert from C to F

```javascript
let c , f;
c = Number(prompt('Enter a temperature in C :')).toFixed(2);

f = (c * 9 / 5 +32).toFixed(2);

console.log(`${c} C = ${f} F`)
```

23.55 C = 74.39 F   p1_49.js:6

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

```javascript
import {students, sdata } from './data_49.js';

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

sdata.sort( function(a,b){return b-a});
console.log('sdata sorted',sdata);
console.log(`The highest score ${sdata[0]}`);
console.log(`The lowest score ${sdata[sdata.length-1]}`);

console.log('students', students);

const students2 = students.map( (student) =>{
    // student.role = 'student';
    return {... student,role:'student'};
});

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

students2.sort(function(a,b){return a.score - b.score});
console.log('students2 sorted',students2);
console.log(`The lowest score ${students2[0].score}`);
console.log(`The highest score ${students2[students2.length-1].score}`);
```

Console output:
```
sdata original ▶ (6) [90, 100, 60, 40, 20, 80]   p2_49.js:3
sdata sorted ▶ (6) [100, 90, 80, 60, 40, 20]      p2_49.js:6
The highest score 100                             p2_49.js:7
The lowest score 20                               p2_49.js:8
students                                          p2_49.js:10
▶ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
students2 original                                p2_49.js:17
▶ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
students2 sorted                                  p2_49.js:20
▶ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
The lowest score 15                               p2_49.js:21
The highest score 99                              p2_49.js:22
```

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

```javascript
console.log(`The lowest score ${sdata[sdata.length-1]}`);

console.log('students', students);

const students2 = students.map( (student) =>{
    // student.role = 'student';
    return {... student,role:'student'};
});

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

students2.sort(function(a,b){return a.score - b.score});
console.log('students2 sorted',students2);
console.log(`The lowest score ${students2[0].score}`);
console.log(`The highest score ${students2[students2.length-1].score}`);

const average = students2.reduce( (total,students2,index) =>{
    console.log('index total', index,total);
    return total + students2.score;
},0) / students2.length;
console.log('average', average);
```

Console output:
```
The highest score 100                             p2_49.js:7
The lowest score 20                               p2_49.js:8
students ▼ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]  p2_49.js:10
  ▶ 0: {id: 1, name: 'Peter', score: 62}
  ▶ 1: {id: 2, name: 'James', score: 24}
  ▶ 2: {id: 3, name: 'Robert', score: 70}
  ▶ 3: {id: 4, name: 'John', score: 99}
  ▶ 4: {id: 5, name: 'Micheal', score: 64}
  ▶ 5: {id: 6, name: 'David', score: 15}
  ▶ 6: {id: 7, name: 'William', score: 37}
  ▶ 7: {id: 8, name: 'Richard', score: 26}
  ▶ 8: {id: 9, name: 'Joseph', score: 82}
  ▶ 9: {id: 10, name: 'Charles', score: 77}
    length: 10
  ▶ [[Prototype]]: Array(0)
students2 original                                p2_49.js:17
▶ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
students2 sorted                                  p2_49.js:20
▶ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]
The lowest score 15                               p2_49.js:21
The highest score 99                              p2_49.js:22
index total 0 0                                   p2_49.js:25
index total 1 15                                  p2_49.js:25
index total 2 39                                  p2_49.js:25
index total 3 65                                  p2_49.js:25
index total 4 102                                 p2_49.js:25
index total 5 164                                 p2_49.js:25
index total 6 228                                 p2_49.js:25
index total 7 298                                 p2_49.js:25
index total 8 375                                 p2_49.js:25
index total 9 457                                 p2_49.js:25
average 55.6                                       p2_49.js:28
```

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
748a3189       JKYROC  Thu Mar 23 20:06:12 2023 +0800  W06-P2: temperature convert from C to F
2d9b10e0       JKYROC  Thu Mar 23 19:48:14 2023 +0800  W06-P1: Run w3school scores.find()
3a02724a       JKYROC  Thu Mar 23 20:33:33 2023 +0800  W06-P3: import students and sdata array and do sorting, 1
931a703f       JKYROC  Thu Mar 23 21:00:03 2023 +0800  W06-P4: compute the average of students and sdata array
```