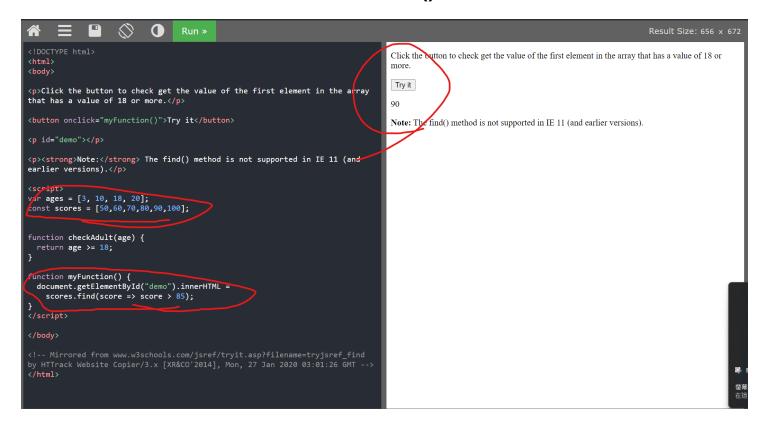
Github URL

W06-P1: Run w3school scores.find()



50f571a changiojen1 Thu Mar 23 19:05:08 2023 +0800 Run w3school scores.find()

W06-P2: temperature convert from C to F

e385f8d changiojen1 Thu Mar 23 19:32:27 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

```
□ 元素 主控台 來源 網路 » 十
                                                                  92 ∯ & ⋯ ×
                                                                                                              demo > w06-array > p2_208410224 > JS p2_208410224.js >
                                                                                                                          import { students, sdata } from './data_208410224.js'
預設層級 ▼ 👂 2
                                                                                          (3)
  students v (5) {{-}, {-}, {-}, {-}} }

b 0: {{\dot 1}, name: 'john', score: 56}

b 1: {{\dot 2}, name: 'jack', score: 88}

b 2: {{\dot 3}, name: 'arch', score: 48}

b 3: {{\dot 4}, name: 'cindy', score: 48}

b 4: {{\dot 5}, name: 'leo', score: 75}

length: 5

b [[Prototype]]: Array(8)
                                                                                                   Ø
                                                                      p2_208410224.js:3
                                                                                                                           console.log("students",students);
                                                                                                                          console.log("sdata",sdata);
                                                                                                                          sdata.sort((a,b) => a-b)
                                                                                                                         console.log("sdata",sdata);
console.log( The highest score: ${sdata[0]}');
  sdata ▶ (6) [90, 100, 60, 40, 20, 80]
                                                                      p2_208410224.js:4
  sdata ▶ (6) [20, 40, 60, 80, 90, 100]
                                                                     p2_208410224.js:7
  The highest score: 20
                                                                     p2 208410224.is:8
                                                                                                                         console.log(`The lowest score: ${sdata[sdata.length-1]}`);
   The lowest score: 100
                                                                      p2_208410224.js:9
  The lowest score: 100

student20 roiginal

▼ (5) [{-}, {-}, {-}, {-}, {-}] 

▶ 0: (id: 4, name: 'cindy', score: 48, role: 'student')

▶ 1: (id: 1, name: 'john', score: 56, role: 'student')

▶ 2: (id: 3, name: 'andy', score: 64, role: 'student')

▶ 3: (id: 5, name: 'leo', score: 75, role: 'student')

▶ 4: (id: 2, name: 'jack', score: 88, role: 'student')

length: 5

▶ [[Prototype]]: Array(0)
                                                                    p2_208410224.js:14
                                                                                                                          const students2 = students.map((student) => {
                                                                                                                                   return {...student,role:'student'}
                                                                                                                        console.log("students2 original",students2);
                                                                                                                        students2.sort((a,b) => a.score - b.score)
  ▶ [[Prototype]]: Array(0)
student2 Sorrted

♥ (5) {-{-}, {-}, {--}, {--}} 

▶ 0: {id: 4, name: 'cindy', score: 48, role: 'student'}
▶ 1: {id: 1, name: 'john', score: 56, role: 'student'}
▶ 2: {id: 3, name: 'andy', score: 64, role: 'student'}
▶ 3: {id: 5, name: 'leo', score: 75, role: 'student'}
▶ 4: {id: 2, name: 'jack', score: 88, role: 'student'}
length: 5
▶ [[Prototype]]: Array(0)
                                                                    p2_208410224.js:16
                                                                                                                           console.log("students2 sorted",students2);
                                                                                                                         console.log(`The highest score: ${students2[0].score}`);
                                                                                                                           console.log(`The lowest score: ${students2[students2.length-1].score}
   The highest score: 48
                                                                     p2 208410224.js:17
   The lowest score: 88
                                                                    p2_208410224.js:18
                                                                                                                                                                                                                                          TERMINAL DEBUG CONSOLE
                                                                                                           (12/12), 76.12 KiB | 19.03 MiB/s, done.
                                                                                                          used 0 (delta 0), pack-reused 0
as: 100% (3/3), completed with 3 local objects.
changiojen1/1112-1N-js-demo-208410224
                                                                                                           ain -> main
                                                                                                           ProgramPractice/web/1112-1N-js-demo-208410224 (main)
mat:"%h%x09%an%x09%ad%x09%s" --after="2023-3-22"
                                                                                                             Thu Mar 23 19:32:27 2023 +0800 W06-P2: temperature convert from C to F Thu Mar 23 19:05:08 2023 +0800 Run w3school scores.find()
                                                                                                           ProgramPractice/web/1112-1N-is-demo-208410224 (main)
                                                                                                                                                   Ln 5, Col 1 Spaces: 4 UTF-8 CRLF {} JavaScript ⊘ Port: 5500 ▲ 5 Spell
```

1218143 changiojen1 Thu Mar 23 20:25:05 2023 +0800 W06-P3: import students and sdata array and do sorting, 1

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

```
□ 元素 主控台 來源 網路 » 十
                                                   ●2 ② ② ~~ ×
                                                                                             import { students, sdata } from './data_208410224.js'
預設層級 ▼ 22
                                                                    (6)
 students \blacktriangleright (5) [{...}, {...}, {...}, {...}, {...}]
                                                     p2_208410224.js:3
  sdata ▶ (6) [90, 100, 60, 40, 20, 80]
                                                     p2_208410224.js:4
                                                                                             console.log("students",students);
  sdata ▶ (6) [20, 40, 60, 80, 90, 100]
                                                     p2 208410224.js:7
                                                                                             console.log("sdata",sdata);
  The highest score: 20
                                                     p2_208410224.js:8
                                                     p2_208410224.js:9
  stadents2 original ▶ (5) [{__}, {__}, {___}
                                                                                            sdata.sort((a,b) => a-b)
                                                    p2 208410224.is:14
   vSdents2 original * (5) [{-1, (-1, (-2, -1), (-1))} [-1] a

v(5) [{-1, (-1, (-1, (-1), (-1))} [-1]

** 0: (id: 4, name: 'inforty', scorne: 48, role: 'student')

** 1: (id: 1, name: 'john', scorne: 56, role: 'student')

** 2: (id: 3, name: 'andy', scorne: 75, role: 'student')

** 3: (id: 5, name: 'leo', scorne: 75, role: 'student')

** 4: (id: 2, name: 'jack', scorne: 88, role: 'student')

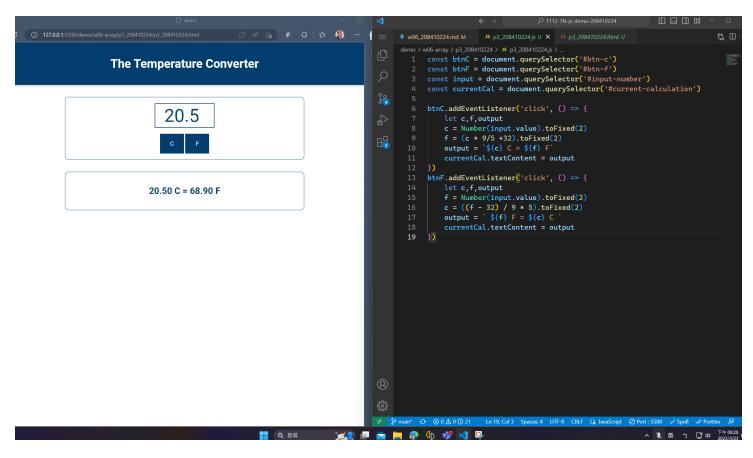
** 1angth: 5

** [[Prototroyne]1: Apraw(6)
                                                                                            console.log("sdata",sdata);
console.log('The highest score: ${sdata[0]}');
                                                    o2 208410224.js:16
                                                                                            console.log(`The lowest score: ${sdata[sdata.length-1]}`);
                                                                                             const students2 = students.map((student) => {
    ▶ [[Prototype]]: Array(0)
                                                                                                   return {...student,role:'student'}
  The highest score: 48
                                                                                             3)
 The lowest score: 88
                                                    p2 208410224.1s:18
  index total 0 0
                                                                                             console.log("students2 original",students2);
                                                    p2_208410224.js:21
  index total 1 56
                                                    p2 208410224.js:21
                                                                                      15 students2.sort((a,b) => a.score - b.score)
  index total 2 144
                                                    p2_208410224.js:21
                                                                                             console.log("students2 sorted",students2);
  index total 3 208
                                                     p2_208410224.js:21
                                                                                             console.log(`The highest score: ${students2[0].score}`);
console.log(`The lowest score: ${students2[students2.length-1].score}`);
  index total 4 256
                                                    p2_208410224.js:21
                                                    p2_208410224.js:24
  index total 1 20
                                                    p2 208410224.js:27
                                                    p2_208410224.js:27
                                                                                             const averageStudents = students.reduce((total, student, index) => {
  index total 3 120
                                                    p2 208410224.1s:27
                                                    p2_208410224.js:27
                                                                                                   console.log('index total', index, total);
  index total 5 290
                                                    p2 208410224.is:27
                                                                                                   return total + student.score
  sdata average 65
                                                    p2_208410224.js
                                                                                             }, 0)/students.length
                                                                                             console.log('student average', averageStudents);
                                                                                      25
                                                                                             const averageSdata = sdata.reduce((total, score, index) => {
                                                                                                   console.log('index total', index, total);
                                                                                                   return total + score
                                                                                             })/sdata.length
                                                                                             console.log('sdata average', averageSdata);
```

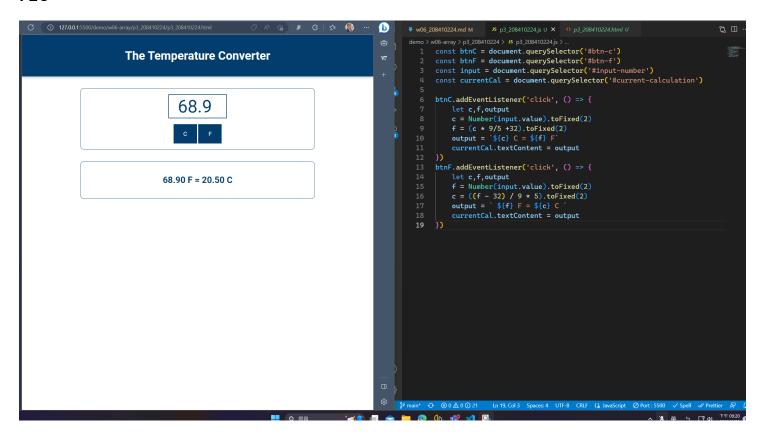
c8eefc3 changiojen1 Thu Mar 23 20:58:54 2023 +0800 W06-P4: compute the average of students and sdata array

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

C2F



F₂C



W06-logs