# 211410542

## P1-1 Compute salary1



```
//////////////////////
/* Compute salary1 */
const salary1 = [10000, 30000, 80000, 60000, 100000, 25000];

let max1 = -99999999;
let min1 = 999999999;
let total1 = 0;
let average1 = 0;

const summarySalary1 = (salary1) => {
  salary1.forEach((salary)=>{
    if(salary > max1) max1 = salary;
    if(salary < min1) min1 = salary;
    total1 += salary;
  })
  average1 = (total1 / salary1.length).toFixed(1);
  console.log(`
Salary1 summary:
  Max: ${max1}
  Min: ${min1}
  Ave: ${average1}
  `);
};
```

# P1-2 Compute salary2

```js
const computeSalary2 = (salary2) => {
    salary2.forEach((person)=>{
        const {name,sex,age,salary} = person;
        summary2.countAll++;
        if(salary > summary2.maxAll) summary2.maxAll = salary;
        if(salary < summary2.minAll) summary2.minAll = salary;
        summary2.totalAll += salary;
        if(sex === 'male'){
            summary2.male.count++;
            if(salary > summary2.male.max) summary2.male.max = salary;
            if(salary < summary2.male.min) summary2.male.min = salary;
            summary2.male.total += salary;
        }else if(sex === 'female'){
            summary2.female.count++;
            if(salary > summary2.female.max) summary2.female.max = salary;
            if(salary < summary2.female.min) summary2.female.min = salary;
            summary2.female.total += salary;
        }
    });
    summary2.averageAll =(summary2.totalAll / summary2.countAll).toFixed(1)
    summary2.male.average =(summary2.male.total / summary2.male.count).toFixed(1)
    summary2.female.average =(summary2.female.total / summary2.female.count).toFixed(1)
};

const summarySalary2 = (salary2) => {
    console.log(`Susan
Salary2 Summary:
    countAll:${summary2.countAll}
    maxAll:${summary2.maxAll}
    minAll:${summary2.minAll}
    AveAll:${summary2.averageAll}
    (male, female) = (${summary2.male.count},${summary2.female.count})
    male
        Max:${summary2.male.max}
        Min:${summary2.male.min}
        Ave:${summary2.male.average}
    female
        Max:${summary2.female.max}
        Min:${summary2.female.min}
        Ave:${summary2.female.average}

`);
```

Console output:

```
Susan                                p1_42.js:125
Salary2 Summary:
    countAll:6
    maxAll:100000
    minAll:10000
    AveAll:50833.3
    (male, female) = (3,3)
    male
        Max:100000
        Min:10000
        Ave:46666.7
    female
        Max:80000
        Min:25000
        Ave:55000.0
```

# P1-3 Show p1_42.md in p1_42.html
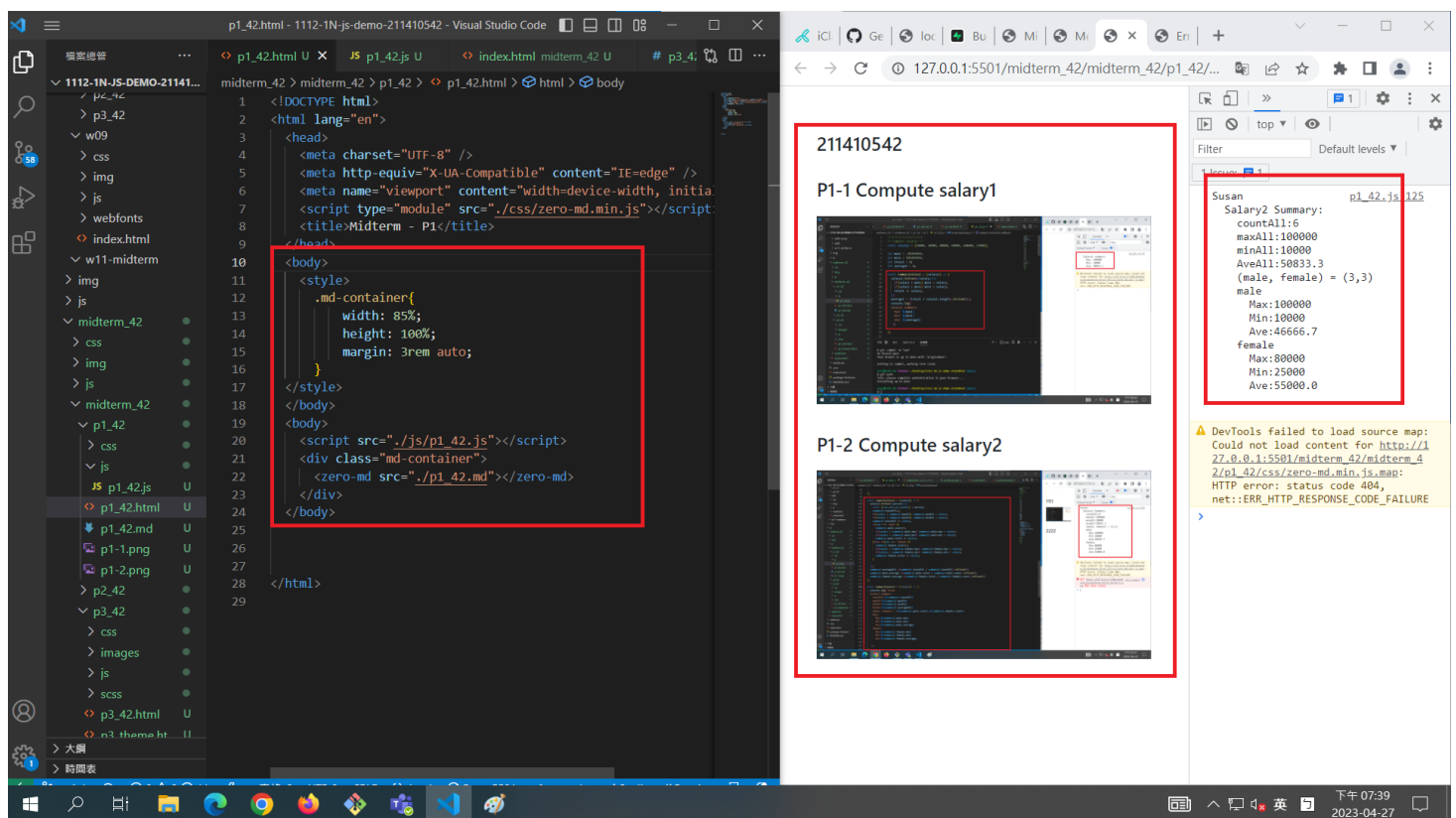
```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initia
        <script type="module" src="./css/zero-md.min.js"></script
        <title>Midterm - P1</title>
    </head>
    <body>
        <style>
            .md-container{
                width: 85%;
                height: 100%;
                margin: 3rem auto;
            }
        </style>
    </body>
    <body>
        <script src="./js/p1_42.js"></script>
        <div class="md-container">
            <zero-md src="./p1_42.md"></zero-md>
        </div>
    </body>

</html>
```
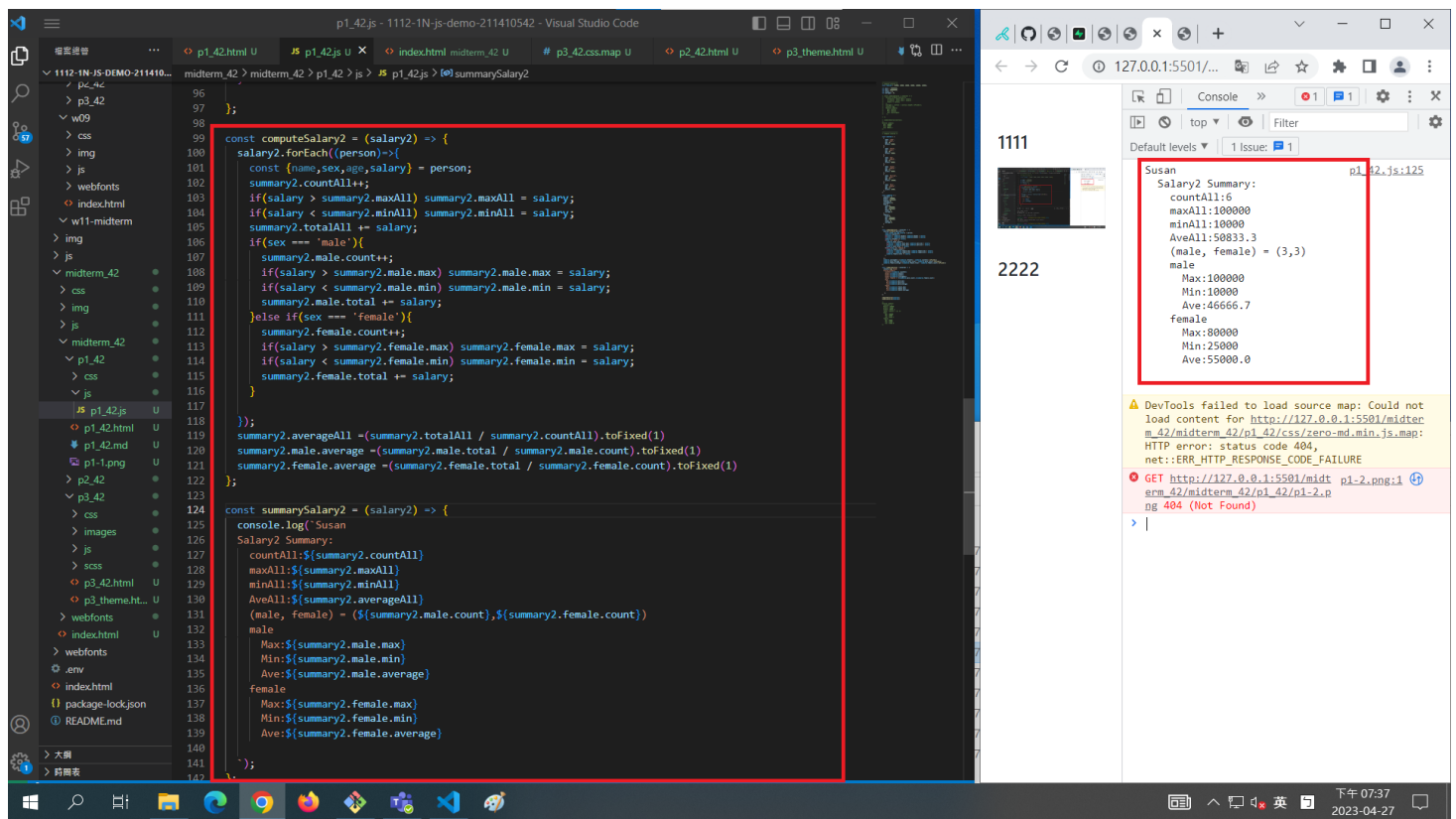
211410542

P1-1 Compute salary1

P1-2 Compute salary2

# P2: BMI Calculation



```javascript
 8
 9    function bmi_normal_low(height) {
10      return 18.5 * ((height/100) * (height/100));
11    }
12
13    function bmi_normal_high(height) {
14      return 24 * ((height/100) * (height/100));
15    }
16
17    function calculateBMI() {
18      const weight =Number( document.querySelector('#weight').valu
19      const height =Number( document.querySelector('#height').valu
20      // console.log(weight,height);
21
22      const bmi = bmiCalc_42(height, weight);
23      const normal_high = bmi_normal_high(height);
24      const normal_low = bmi_normal_low(height);
25
26      let status;
27      let suggestion;
28
29      if(bmi < 18.5){
30        status = 'Underweight'
31        suggestion = `add at least ${(normal_low-weight).toFixed(
32      }else if(bmi<=24){
33        status = 'Normal'
34        suggestion = ''
35      }else{
36        status = 'Overweight'
37        suggestion=`reduce least ${weight-normal_high} kg to norm
38      }
39      bmiResult.innerHTML =  Your BMI is ${bmi.toFixed(1)}. ${stat
40      suggest.innerHTML = ${suggestion}.
41    }
42
43    calculateBtn.addEventListener('click', calculateBMI);
44
```

**BMI Calculator**

**Hsingtai Chung, 123456789**

Weight (kg):

`85`

Height (cm):

`175`

Calculate

Your BMI is 27.8. Overweight.

reduce least 11.5 kg to normal.

# P3: Fetch Products from json array

檔案(F) 編輯(E) 選取項目(S) 檢視(V) 移至(G) 執行(R) 終端機(T) 說明(H)

檔案總管

- 1112-1N-JS-DEMO-21141...
  - .vscode
  - css
  - demo
  - img
  - js
  - midterm_42
    - css
    - img
    - js
    - p1_42
    - p2_42
    - p3_42
      - css
      - images
      - js
        - p3_42.js          U
        - product_dat...    U
      - scss
      - p3_42.html          U
      - p3_theme.html       U
  - webfonts
  - index.html              M
  - webfonts
    - fa-brands-400.eot
    - fa-brands-400.svg
    - fa-brands-400.ttf
    - fa-brands-400.woff
    - fa-brands-400.woff2
    - fa-regular-400.eot
    - fa-regular-400.svg
    - fa-regular-400.ttf
  - 大綱
  - 時間表

w11_42.html   index.html M   classdemo_42.js M   p3_42.js U   版本資訊: 1.77.3   p2_4

midterm_42 > p3_42 > js > JS p3_42.js > [∅] fetchData > [∅] products > data.map() callback

```js
1  import { data,data2 } from './product_data.js';
```

JS product_data.js U ×

midterm_42 > p3_42 > js > JS product_data.js > [∅] data

```js
1  export const data = [
2      {
3          id:1,
4          img:'./images/product-1.jpg',
5          name:`high-back bench`,
6          price:9.99,
7      },
8      {…
13     },
14     {…
19     },
20     {…
25     },
26     {…
31     },
32     {
33         id:6,
34         img:'./images/product-6.jpg',
35         name:`sofa set`,
36         price:69.99,
37     },
38  ]
39
40  export const data2 =[]
41  // export default data;
```

問題 6   輸出   偵錯主控台   終端機

User@E201-06 MINGW64 ~/Desktop/1112-1N-js-demo-211410542 (main)
$
 *  已還原歷程記錄

User@E201-06 MINGW64 ~/Desktop/1112-1N-js-demo-211410542 (main)
$
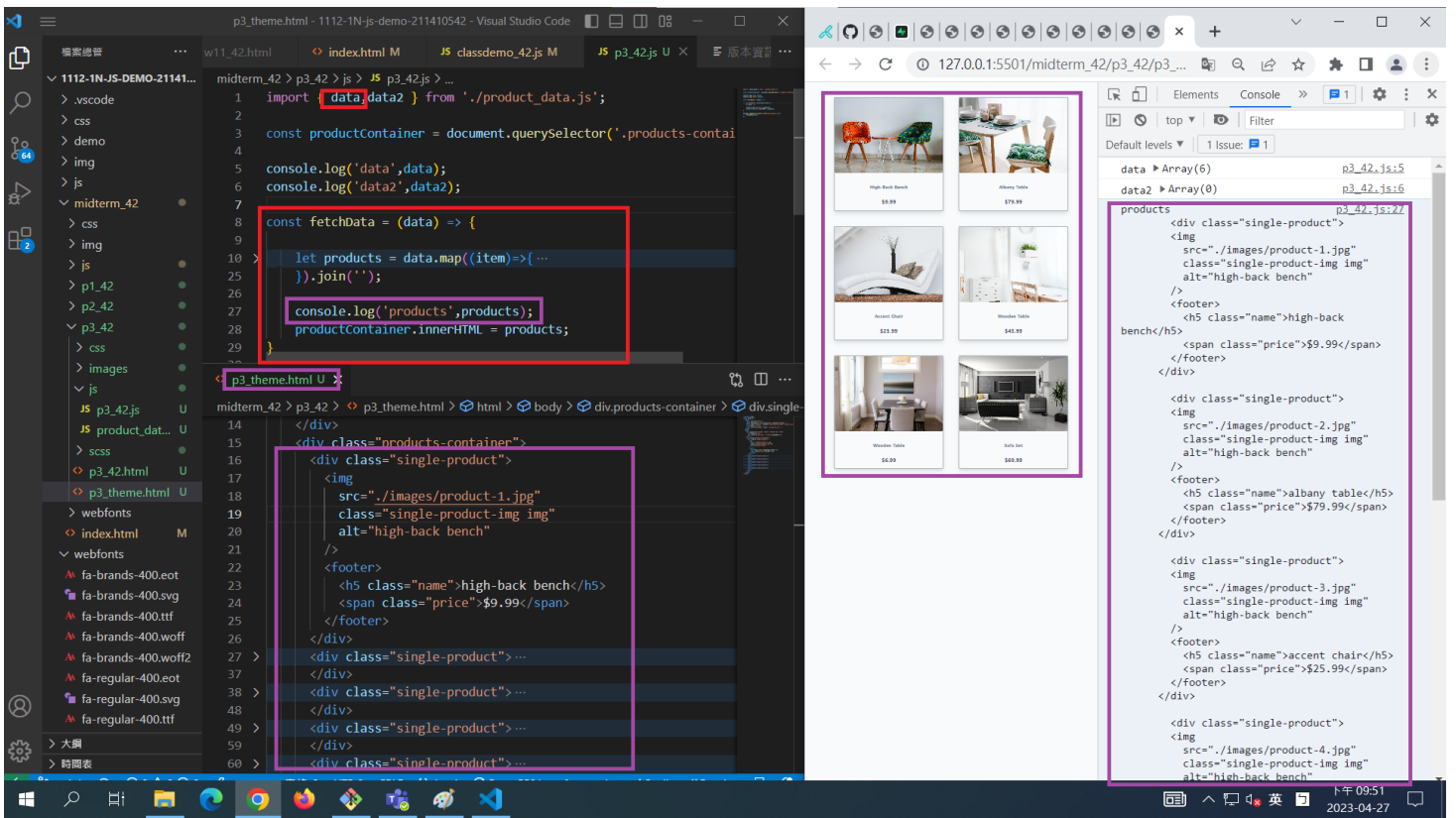
## P4: Use menu to show P1, P2, P3
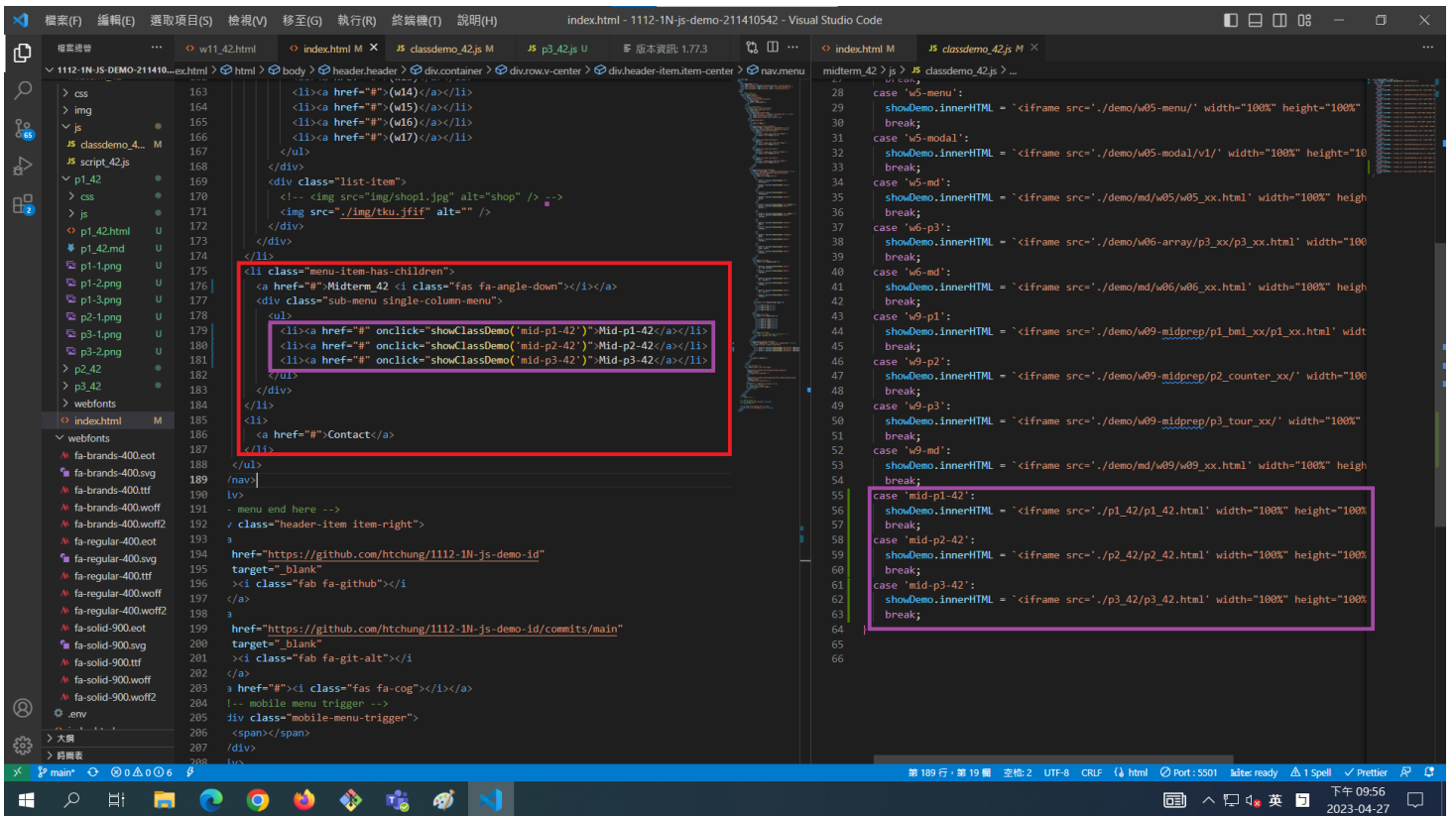
127.0.0.1:5501/midterm_42/index.html

**Mid_1N_42**

Home    New ▾    Class Demo ▾    Midterm_42 ▾    Contact

Mid-P1-42

Mid-P2-42

Mid-P3-42

High-Back Bench

$9.99

Albany Table

$79.99

Accent Chair

$25.99

Wooden Table

$45.99

Wooden Table

$6.99

Sofa Set

$69.99

127.0.0.1:5501/midterm_42/index.html#

Elements    Console    ⏩    ▣ 2    ⚙    ✕

▶ ⊘    p3_42.html ▾    ⊘    Filter    ⚙

Default levels ▾    2 Issues: ▣ 2

data  ▶ Array(6)                        p3_42.js:5
data2 ▶ Array(0)                        p3_42.js:6
products                                p3_42.js:27
        <div class="single-product">
          <img
            src="./images/product-1.jpg"
            class="single-product-img img"
            alt="high-back bench"
          />
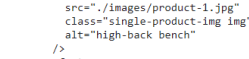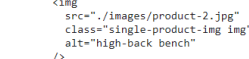          <footer>
            <h5 class="name">high-back
bench</h5>
            <span class="price">$9.99</span>
          </footer>
        </div>

        <div class="single-product">
          <img
            src="./images/product-2.jpg"
            class="single-product-img img"
            alt="high-back bench"
          />
          <footer>
            <h5 class="name">albany table</h5>
            <span class="price">$79.99</span>
          </footer>
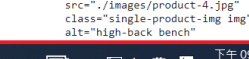        </div>

        <div class="single-product">
          <img
            src="./images/product-3.jpg"
            class="single-product-img img"
            alt="high-back bench"
          />
          <footer>
            <h5 class="name">accent chair</h5>
            <span class="price">$25.99</span>
          </footer>
        </div>

        <div class="single-product">
          <img
            src="./images/product-4.jpg"
            class="single-product-img img"
            alt="high-back bench"

下午 09:58
2023-04-27