

# (100%) 113-2 JavaScript 小考 1 -- 斷網考試

2025-04-10, at E201, from 18:20~21:00

## Note:

1. 本次小考 1 占 2 次課堂實作，斷網，有問題可以舉手提問，同學彼此不能討論
2. 請不要發揮同學愛，作弊雙方除了本次考試 0 分外，平常分數另扣 20 分，情節嚴重者會送校。
3. iClass 上請繳交 md\_xx.pdf, md\_quiz1.zip, quiz1\_xx.zip (所有 code 壓縮檔)，壓縮前請將 md\_quiz1, demo 目錄全部砍掉
4. 請直接將答案寫在 md\_quiz1/md\_xx.md 上，老師出題及圖片放在 md\_htc.pdf 上，請依照老師所給的圖片來實作並標註
5. 跟小考相關的檔案及目錄名稱有 xx 時，必須要改成學號後 2 碼，沒有修改時，會視違犯情況扣分。
6. 每一張圖片要有機房左側背景，圖片上要有你的學號(或後兩碼)，圖片標註要跟老師所標註的類似。違者會依情節扣分。
7. 請自評分數，將每一題的 ? 填入分數，沒有填者，不會批改，以 0 分計算。

Your (Name, ID): (李國蘋, 213410102)

- P0 (20%): 20 分
- P1 (20%): 20 分
- P2 (20%): 20 分
- P3 (20%): 2 分
- P4 (20%): 2 分

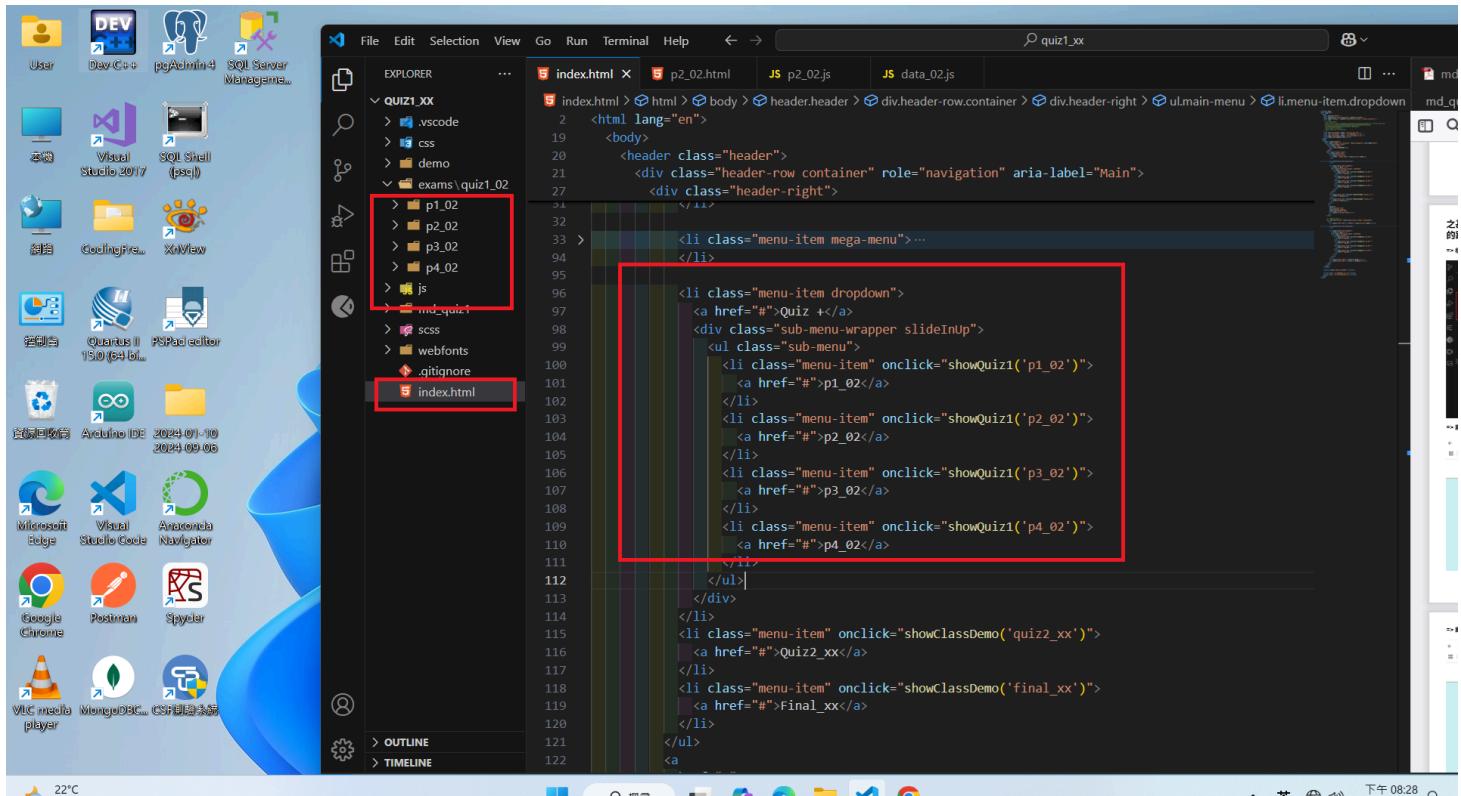
總分: 64 分

Note: 本次考試題目之路徑在 exams/quiz1\_xx 下，p1\_xx, p2\_xx 有用到 tailwind css · p3\_xx, p4\_xx 使用正常的 css

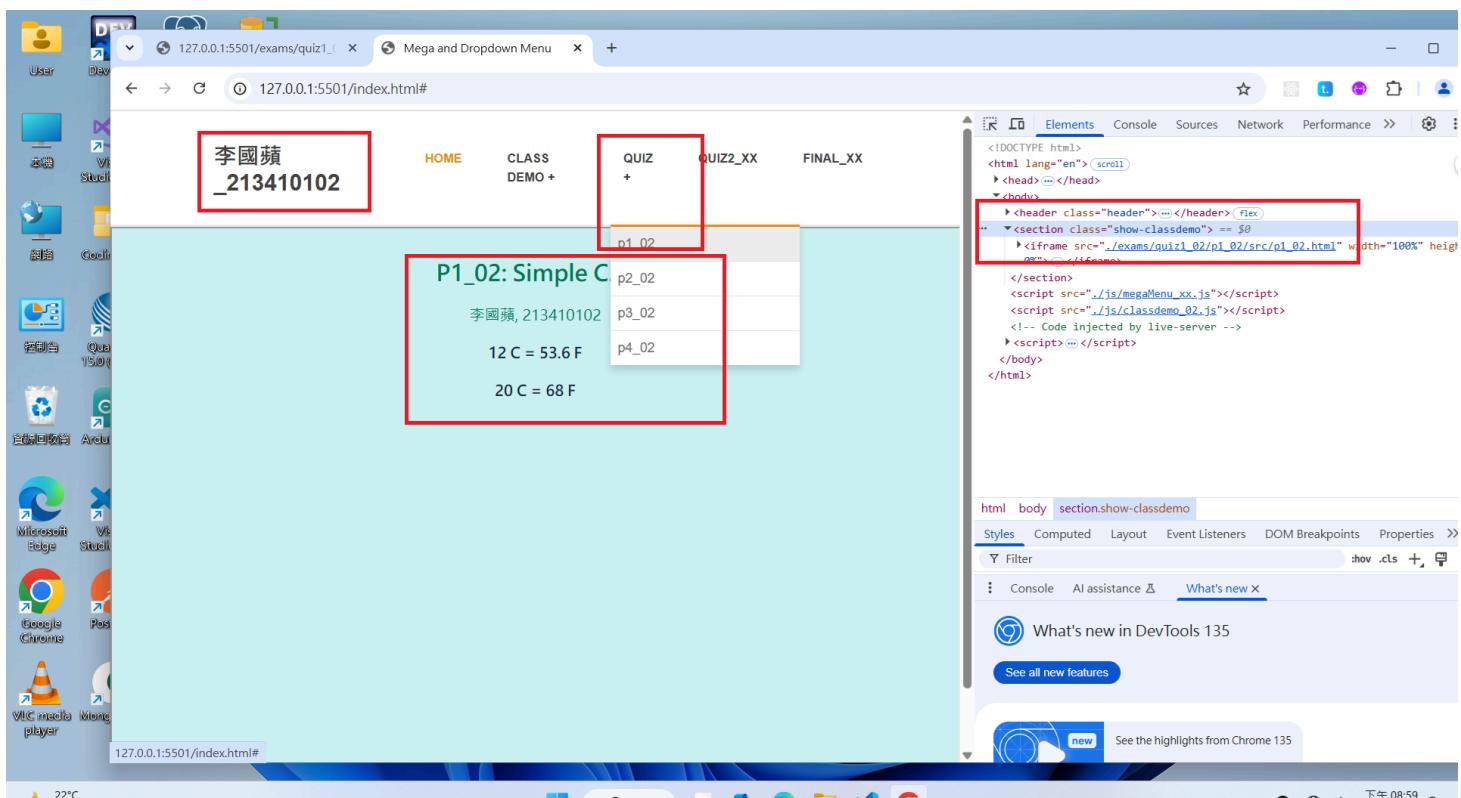
(20%) P0: 請在根目錄之 index.html · 加入 Quiz1 下拉式選單，裡面有四個項目 p1\_xx, p2\_xx, p3\_xx, p4\_xx · 點選後，會顯示各題

# 之基本個人名字代號及學號資訊，Chrome 截圖要選到本次考試正確的路徑

=> 檔案目錄，及需要修改的檔案 (xx 要改成你的學號)



=> 點選 p1\_02 之 Chrome 顯示



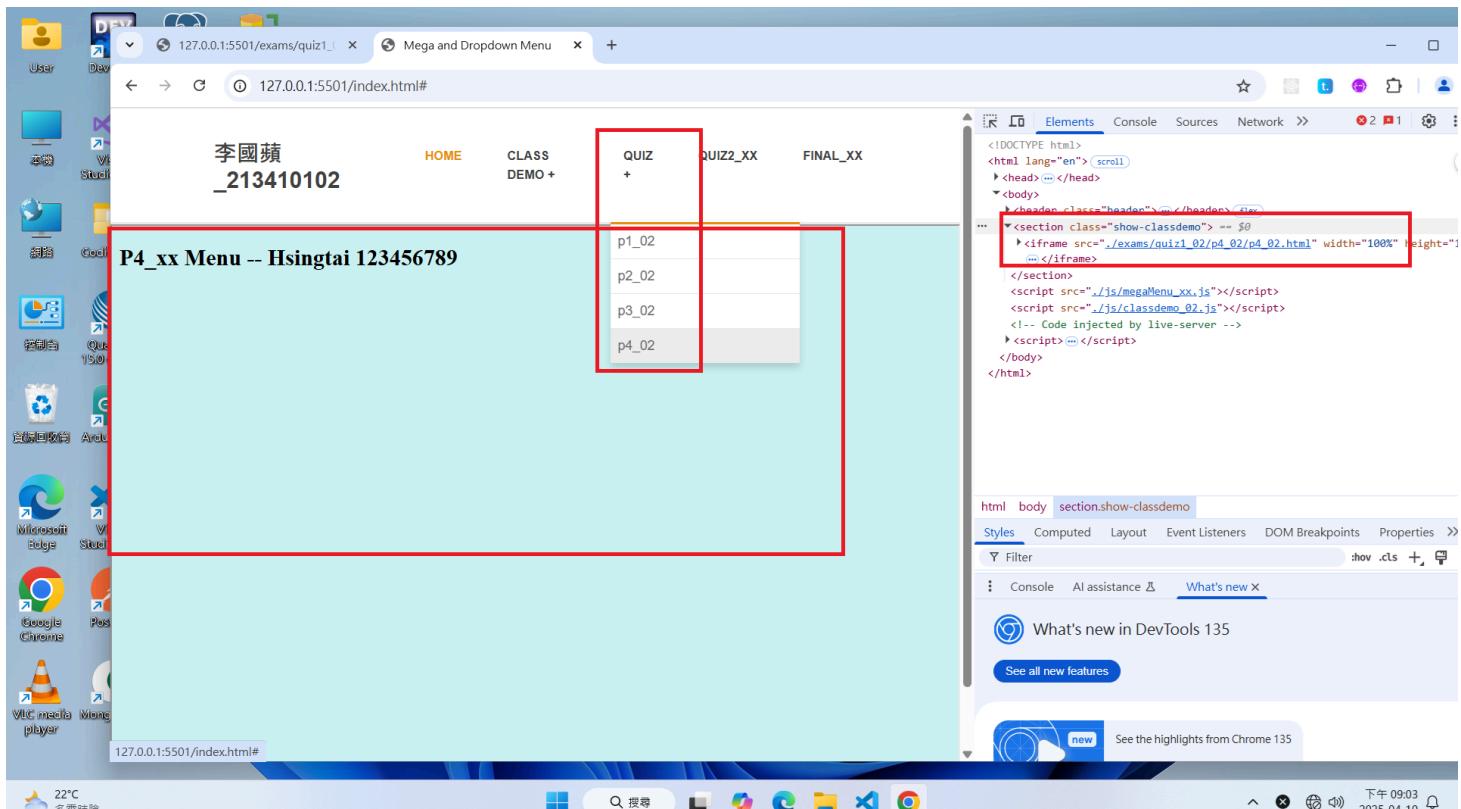
## => 點選 p2\_02 之 Chrome 顯示

The screenshot shows a Windows desktop environment with a blue taskbar at the bottom. On the taskbar, there are icons for various applications like Microsoft Edge, Google Chrome, and VLC media player. In the center, a Google Chrome window is open to the URL `127.0.0.1:5501/index.html#`. The page content includes a header with the name "李國蘋" and ID "213410102". Below the header is a navigation bar with links: HOME, CLASS DEMO +, QUIZ +, QUIZ2\_XX, and FINAL\_XX. A dropdown menu is open under the 'QUIZ +' link, showing items: p1\_02, p2\_02, p3\_02, and p4\_02. The 'p2\_02' item is highlighted with a red box. To the right of the browser window, the Chrome DevTools are visible, specifically the Elements tab which shows the HTML structure of the page. The 'section.show-classdemo' section is selected in the DevTools sidebar.

## => 點選 p3\_02 之 Chrome 顯示

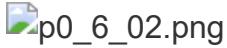
This screenshot is similar to the previous one, showing the same Windows desktop environment and Google Chrome setup. The URL in the address bar is again `127.0.0.1:5501/index.html#`. The page content and navigation bar are identical. The dropdown menu under 'QUIZ +' is now open at the bottom of the screen, showing items: p1\_02, p2\_02, p3\_02, and p4\_02. The 'p3\_02' item is highlighted with a red box. The DevTools are also visible on the right side of the screen, showing the same HTML structure as the previous screenshot.

=> 點選 p4\_02 之 Chrome 顯示

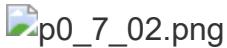


## Your Answ02

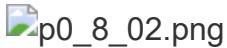
=> 檔案目錄，及需要修改的檔案 (xx 要改成你的學號)



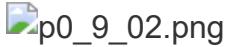
=> 點選 02\_xx 之 Chrome 顯示



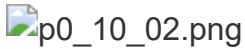
=02點選 p2\_xx 之 Chrome 顯示



=02點選 p3\_xx 之 Chrome 顯示



=>02選 p4\_xx 之 Chrome 顯示



=> classdemo\_xx.js code 修改重點

本題需02叫 showQuiz1(item) · 傳進的 item 是'p1\_xx' ~ 'p4\_xx'

```

File Edit Selection View Go Run Terminal Help < > quiz1_xx
EXPLORER index.html ...
index.html > html > body > header.header > div.header-row.container > div.header-right >
2   <html lang="en">
19     <body>
20       <header class="header">
21         <div class="header-row container" role="navigation"
22           <div class="header-right">
23             <li class="menu-item">
24               <a href="#">Home</a>
25             </li>
26             <li class="menu-item mega-menu">...
27           </div>
28         </div>
29       <li class="menu-item dropdown">
30         <a href="#">Quiz</a>
31         <div class="sub-menu-wrapper slideInUp">
32           <ul class="sub-menu">
33             <li class="menu-item" onclick="showQuiz1('p1_02')">
34               <a href="#">p1_02</a>
35             </li>
36             <li class="menu-item" onclick="showQuiz1('p2_02')">
37               <a href="#">p2_02</a>
38             </li>
39             <li class="menu-item" onclick="showQuiz1('p3_02')">
40               <a href="#">p3_02</a>
41             </li>
42             <li class="menu-item" onclick="showQuiz1('p4_02')">
43               <a href="#">p4_02</a>
44             </li>
45           </ul>
46         </div>
47         <li class="menu-item" onclick="showClassDemo('quizz2_xx')">
48           ...
49         </li>
50       </div>
51     </header>
52     <div class="header-row container" role="navigation"
53       <div class="header-right">
54         <li class="menu-item mega-menu">...
55       </div>
56     </div>
57   </body>
58 </html>

```

```

js > JS classdemo_02.js ...
4 function showClassDemo(item) {
5   p2_xx.html' width="100%" height="100%" />;
6   break;
7 }
8
9 function showQuiz1(item) {
10  switch (item) {
11    case 'p1_02':
12      p.innerHTML = '<iframe src='./exams/quiz1_02/p1_02/src/p1_02.html' width="100%" height="100%" />';
13      break;
14    case 'p2_02':
15      p.innerHTML = '<iframe src='./exams/quiz1_02/p2_02/src/p2_02.html' width="100%" height="100%" />';
16      break;
17    case 'p3_02':
18      p.innerHTML = '<iframe src='./exams/quiz1_02/p3_02/src/p3_02.html' width="100%" height="100%" />';
19      break;
20    case 'p4_02':
21      p.innerHTML = '<iframe src='./exams/quiz1_02/p4_02/src/p4_02.html' width="100%" height="100%" />';
22      break;
23  }
24 }

```

## (20%) P1: 實作 p1\_xx

以你學號後兩碼，取兩個攝氏溫度，本次考試老師用的學號後兩碼是 89，因此取 19, 28 兩個溫度，第 1 個數字 10~19, 第 2 個數字 20~29。

請將第 1 個數字的結果放入 result1 選擇器中，第 2 個數字的結果放入 result2 選擇器中，格式如下

$19^{\circ}\text{C} = 66.2^{\circ}\text{F}$

tailwindcss watch 指令如下，請記得要先切換到 p1\_xx 目錄下，再執行

```
npx @tailwindcss/cli -i ./src/input.css -o ./src/output.css --watch
```

#####02> 檔案目錄 (xx 要改成你的學號)

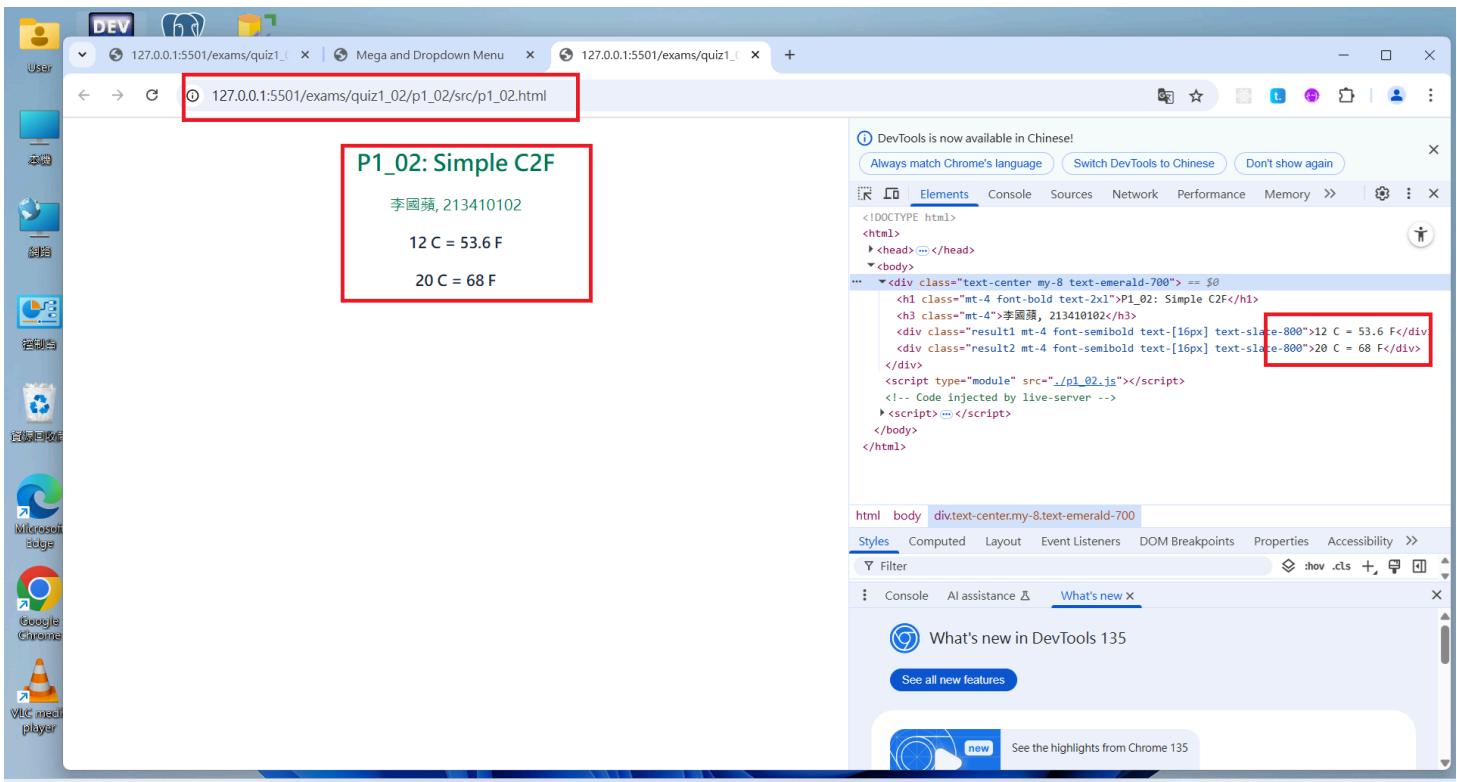
The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the project structure:

- QUIZ1\_XX
- .vscode
- css
- demo
- exams\quiz1\_02
  - p1\_02
  - node\_modules
  - src
    - input.css
    - note.txt
    - output.css
    - p1\_02.html
    - p1\_02.js
- p2\_02
- p3\_02
- p4\_02
- js
- md\_quiz1
  - md\_htc.pdf
  - md\_xx.md
  - p0-1-02.png
  - p0-2-02.png
  - p0-3-02.png
  - p0-4-02.png
  - p0-5-02.png
  - p0-11-02.png
- scss
- webfonts

A red box highlights the 'src' folder and its contents. The code editor on the right shows the content of 'p1\_02.html':

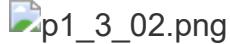
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link href=".output.css" rel="stylesheet" />
  </head>
  <body>
    <div class="text-center my-8 text-emerald-700">
      <h1 class="mt-4 font-bold text-2xl">P1_02: Simple C2F</h1>
      <h3 class="mt-4">李國蘋, 213410102</h3>
      <div class="result1 mt-4 font-semibold text-[16px]>
        <div class="text-slate-800"></div>
      <div class="result2 mt-4 font-semibold text-[16px]>
        <div class="text-slate-800"></div>
      </div>
      <script type="module" src=".p1_02.js"></script>
    </body>
  </html>
```

#####02> Chrome 顯示

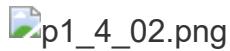


## Your Answer

#####02> 檔案目錄 (xx 要改成你的學號)



#####02> Chrome 顯示



#####02> p1\_xx.js 重點截圖

```

index.html
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width,
6       initial-scale=1.0" />
7     <link href="./output.css" rel="stylesheet" />
8   </head>
9   <body>
10    <div class="text-center my-8 text-emerald-700">
11      <h1 class="mt-4 font-bold text-2xl">P1_02: Simple C2F</h1>
12      <h3 class="mt-4">李國蘋, 213410102</h3>
13      <div class="result1 mt-4 font-semibold text-[16px]
14        text-slate-800"></div>
15      <div class="result2 mt-4 font-semibold text-[16px]
16        text-slate-800"></div>
17    </body>
18  </html>

```

```

p1_02.js
1 // Output: 20.00 C = 68.00 F
2 // Output: 20.00 C = 68.00 F
3
4 let c1 = 12,
5   c2 = 20,
6   f1,
7   f2;
8
9 console.log('c', c1);
10 f1 = (c1 * 9.0) / 5 + 32;
11 const output1 = `${c1} C = ${f1} F`;
12 const result1 = document.querySelector('.result1');
13 result1.textContent = output1;
14
15 console.log('c', c2);
16 f2 = (c2 * 9.0) / 5 + 32;
17 const output2 = `${c2} C = ${f2} F`;
18 const result2 = document.querySelector('.result2');
19 result2.textContent = output2;
20

```

## (20%) P2: 實作 p2\_xx

以你學號後 5 碼，取 5 個攝氏溫度，放入 `data_xx.js` 之 `data1` 中。本次考試老師用的學號後 5 碼是 56789，因此取 19, 28, 37, 46, 55。

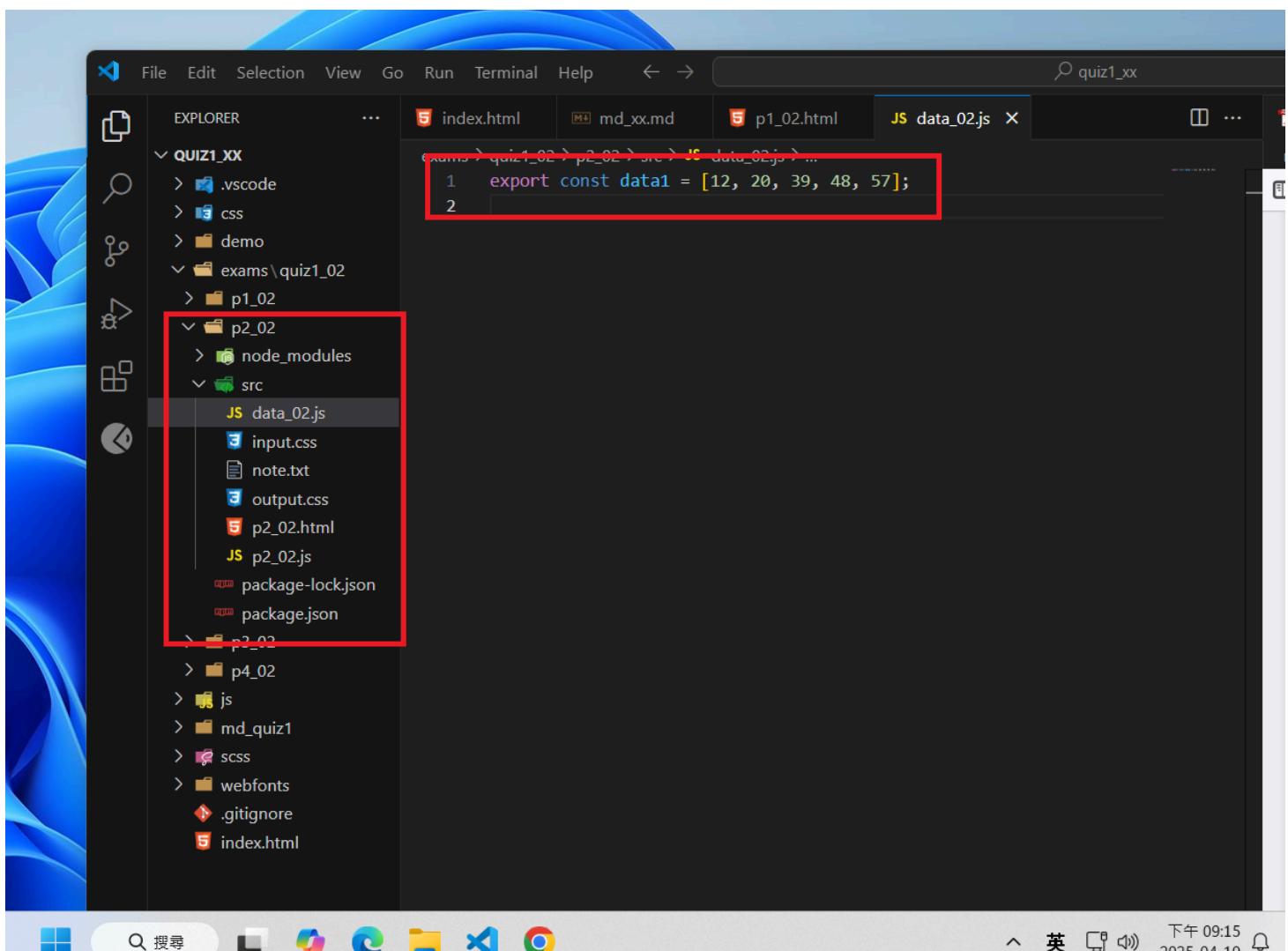
讀入 `data1` 陣列中的數字讀入，計算其華氏溫度，將 5 筆資料之結果放入 `result1` 選擇器中，之後根據你的學號，再讀入 3 個數字，本例是 234，因此取 64, 73, 82 三個數字，將 8 個數字的結果放入 `result2` 選擇器中，輸出格式同 P1

$19^{\circ}\text{C} = 66.2^{\circ}\text{F}$

`tailwindcss watch` 指令如下，請記得要先切換到 `p2_xx` 目錄下，再執行

```
npx @tailwindcss/cli -i ./src/input.css -o ./src/output.css --watch
```

#####02> 檔案目錄 (xx 要改成你的學號)



## =02Chrome 顯示

The screenshot shows a Chrome browser window displaying the content of 'p2\_02.html'. A red box highlights the browser address bar showing the URL '127.0.0.1:5501/exams/quiz1\_02/p2\_02/src/p2\_02.html'. The page content displays two sections of array statistics:

**p2\_02: C2F from Array**

李國蘋, 213410102

Array Statistics for result1

```
12 C = 53.6 F
,20 C = 68 F
,39 C = 102.2 F
,48 C = 118.4 F
,57 C = 134.6 F
```

Array Statistics for result2

```
12 C = 53.6 F
,20 C = 68 F
,39 C = 102.2 F
,48 C = 118.4 F
,57 C = 134.6 F
,68 C = 154.4 F
,79 C = 174.2 F
,80 C = 176 F
```

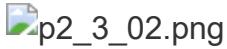
To the right, the Chrome DevTools Console tab is open, showing the variable 'data1' with its value highlighted by a red box:

```
data1 → Array(8) ↴
  0: 12
  1: 20
  2: 39
  3: 48
  4: 57
  5: 68
  6: 79
  7: 80
  length: 8
  [[Prototype]]: Array(0)
```

The DevTools interface also includes a 'What's new' section at the bottom.

# Your Answer

=02檔案目錄 (xx 要改成你的學號)



=02Chrome 顯示



=02p1\_xx.js 重點截圖

A screenshot of the Visual Studio Code (VS Code) interface. The left sidebar shows a file tree with a project named 'QUIZ1\_XX' containing 'exams', 'p1\_02', 'p2\_02', and 'node\_modules'. The 'p1\_02' and 'p2\_02' folders each have their own 'src' folder with 'data\_02.js' files. The right side shows two code editors. The left editor shows the HTML content of 'index.html' which includes a script tag pointing to 'p2\_02.js'. The right editor shows the content of 'data\_02.js' which defines an array 'data1' and logs it to the console. A red box highlights the array definition in the right editor's code.

```
1 export const data1 = [12, 20, 39, 48, 57];
```

```
import { data1 } from './data_02.js';
console.log('data1', data1);

const result1 = document.querySelector('.result1');
const result2 = document.querySelector('.result2');

const outputStat = (data1, result) => {
  const result1 =
    <h3 class="mt-4">Array Statistics for ${[
      result === 'result1' ? 'result1' : 'result2'
    ]}</h3>;
  const resultText = data1.map((c) => {
    let f;
    f = (c * 9.0) / 5 + 32;
    return `${c} C = ${f} F <br/>`;
  });
  if (result === 'result1') {
    result1.innerHTML = resultT + resultText;
  } else if (result === 'result2') {
    result2.innerHTML = resultT + resultText;
  }
};

// result1.textContent = output1;
outputStat(data1, 'result1');
data1.push(68, 79, 80);

outputStat(data1, 'result2');
```

(20%) P3: 實作 p3\_xx

=> 檔案目錄



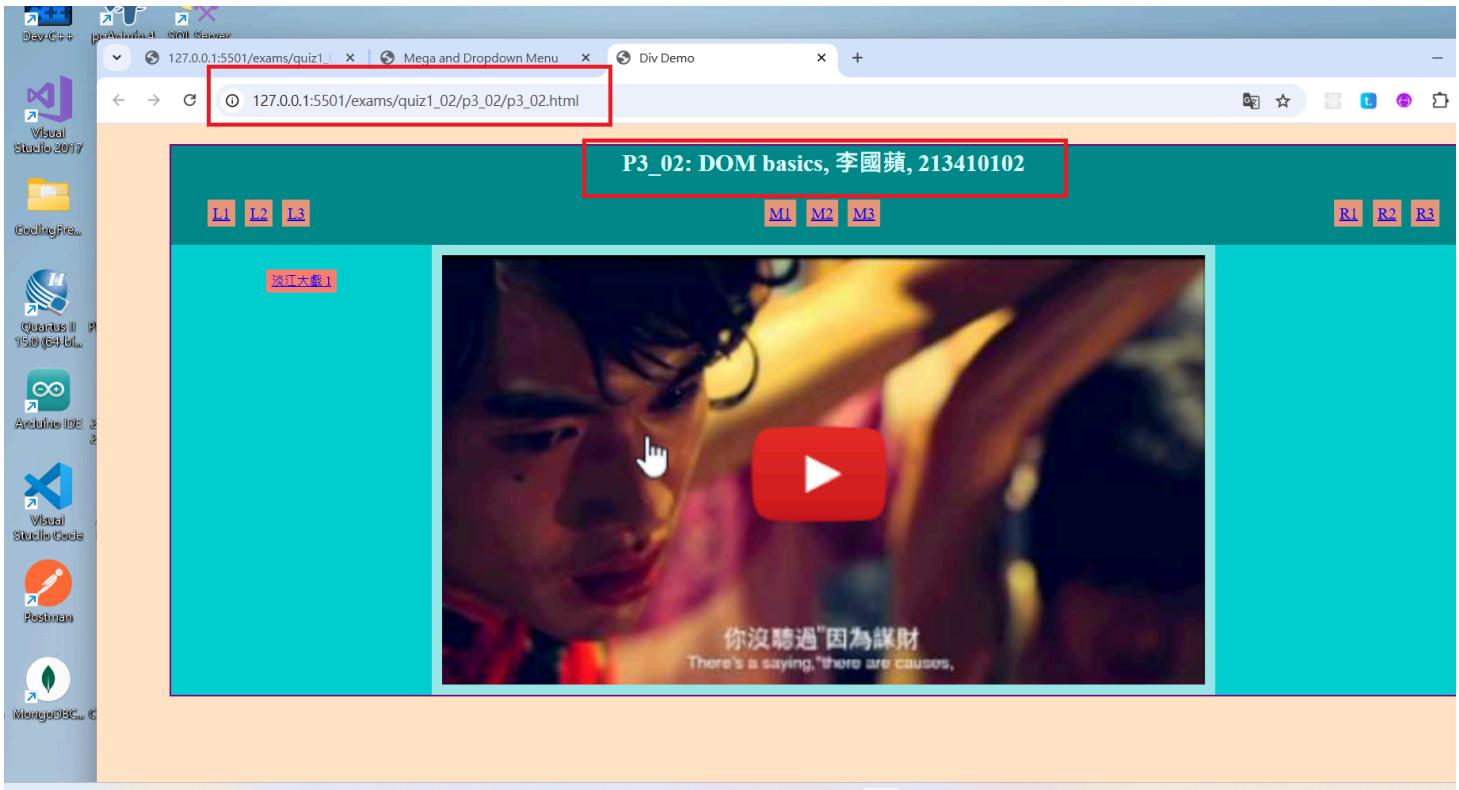
=> Chrome: 一開始，只有顯示"淡江大戲 1"，圖片是淡江大戲 1 的圖片

The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows a project structure with files like md\_xx.md, p3\_02.html, p3\_02.css, and p3\_02.js.
- Code Editor:** Displays the content of p3\_02.html. A red box highlights the title and link to p3\_02.css.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Div Demo</title>
    <link rel="stylesheet" href=".//p3_02.css" />
</head>
<body>
    <div class="container">
        <div class="heading">
            <h2 style="color: #rightcyan;">P3_02: DOM basics, Hsingtai chung, 981234567</h2>
        </div>
        <div class="link">
            <ul>
                <li onclick="showTKU60()"><a href="#">L1</a></li>
                <li onclick="clearMenuAll()"><a href="#">L2</a></li>
                <li>
                    <a href="#">L3</a>
                </li>
            </ul>
            <ul>
                <li>
                    <a href="#">M1</a>
                </li>
                <li>
                    <a href="#">M2</a>
                </li>
                <li>
                    <a href="#">M3</a>
                </li>
            </ul>
        </div>
    </div>
</body>
```
- Terminal:** Shows the command `quz1\_xx`.
- Output:** Shows the content of p3\_02.js.

=> Chrome: 點選 L1 按鈕，顯示"淡江大戲 1" ~ "淡江大戲 5"，點選"淡江大戲 1"，要能顯示淡江大023 的圖片

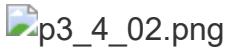


=> Chrome: 點選 L2 按鈕，清除所有"淡江大戲 1" ~ "淡江大戲 5"，顯示"淡江大戲 1"的02



## Your Answer

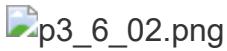
####02=> 檔案目錄 (xx 要改成你的學號)



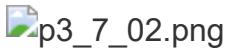
####02=> Chrome: 一開始，只有顯示"淡江大戲 1"，圖片是淡江大戲 1 的圖片



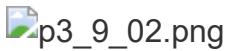
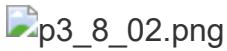
=> Chrome: 點選 L1 按鈕，顯示"淡江大戲 1" ~ "淡江大戲 5"，點選"淡江大戲 1"，要顯示淡江大戲 3 的圖片



=> Chrome: 點選 L2 按鈕，清除所有"淡江大戲 1" ~ "淡江大戲 5"，顯示"淡江大戲 102"圖片



=> p3\_xx.js 三個需實作的 function code (可以多張圖片)



## (20%) P4: 實作 p4\_xx

提供 menu theme，可以參考其顯示畫面

=> 檔案目錄

p4\_xx.html 中的 class 名稱 btn-center, menu-center 請不要更改，其內容一開始是空的，需要考 JavaScript 將資料放入。

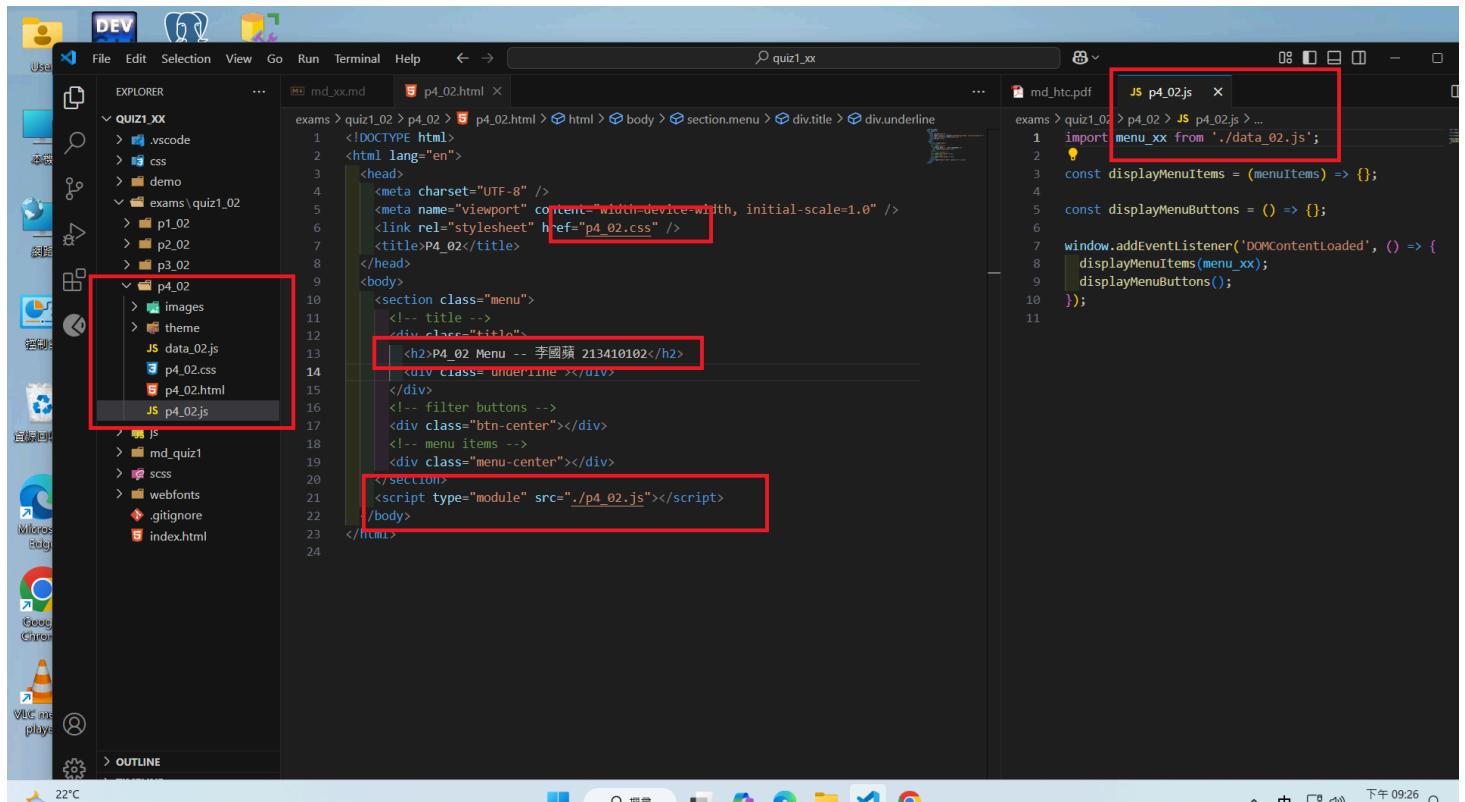
```

<section class="menu">
    <!-- title -->
    <div class="title">
        <h2>P4_xx Menu -- Hsingtai 123456789</h2>
        <div class="underline"></div>
    </div>
    <!-- filter buttons -->
    <div class="btn-center"></div>
    <!-- menu items -->
    <div class="menu-center"></div>
</section>
<script type="module" src="./p4_xx.js"></script>
</body>

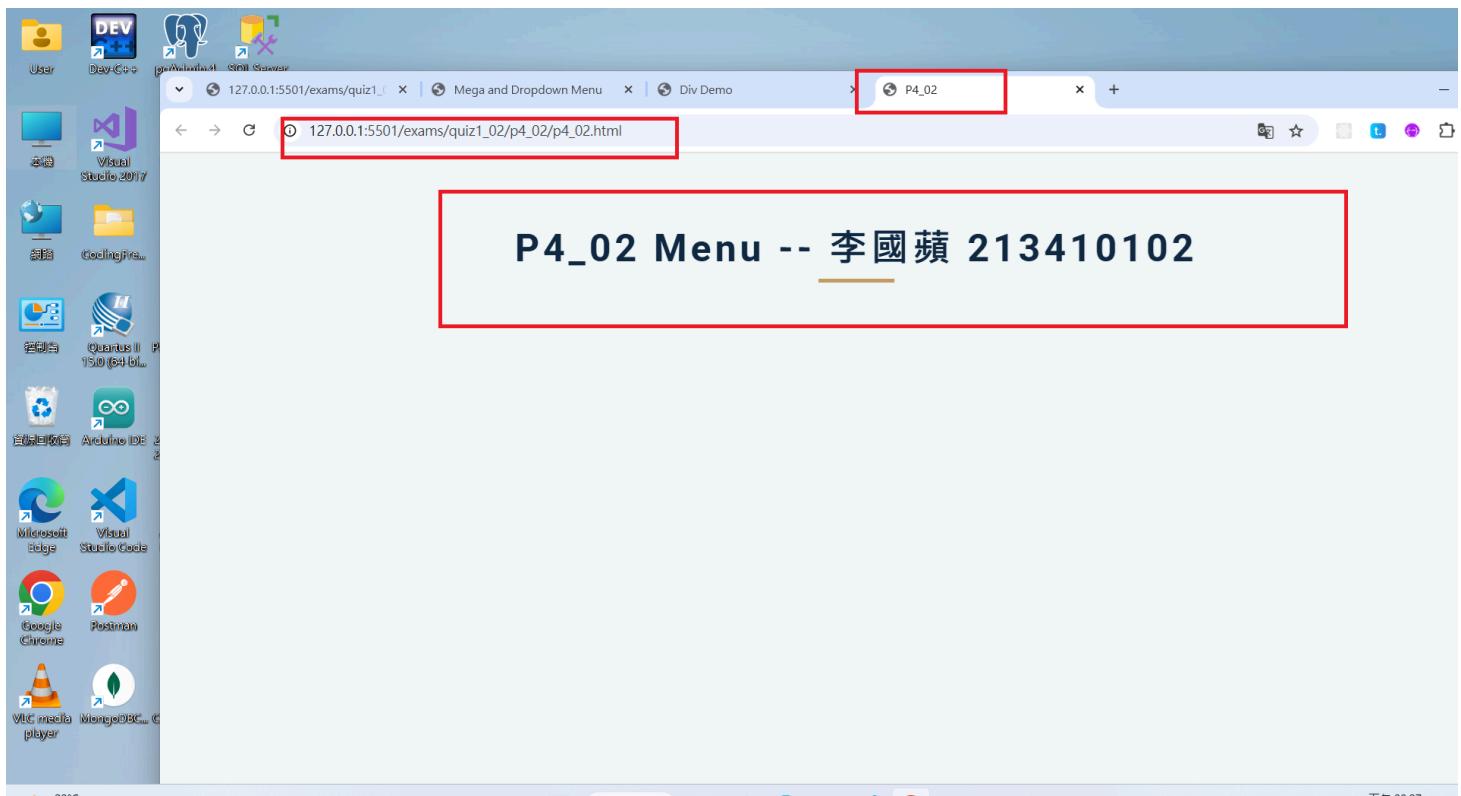
```

data\_xx.js 中提供的陣列，名稱是 menu\_xx 請將 xx 改成你的學號後兩碼，匯入 p4\_xx.js 中時，用的陣列名稱是 menu\_xx

如果沒有遵守上述規定，會給予扣分 10~20 分。

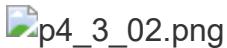


=> Chrome 顯示



## Your Answer

=> 檔案目錄 (xx 要改成你的學號)



=> Chrome 顯示



=> p4\_xx.js code · 標註重點如何將內容放入 menu-center 中 (可以多張圖)



=> p4\_xx.js code · 標註重點如何將內容放入 btn-center 中

