

W09-P1: Midprep P1 answer

The image displays a development environment with two main windows: a code editor and a browser window.

Code Editor (Left): Shows the file `p1_40.js` with the following code:

```

1 // let height = Number(prompt('輸入你的身高，以公分計算')) / 100;
2 // let weight = Number(prompt('輸入你的體重，以公斤計算'));
3 const bmi_data_40 = [];
4
5 function bmiCalc_40(height, weight) {
6     return weight / (height*height);
7 }
8
9 function bmiCalcResult_40(height, weight) {
10     let bmi = (bmiCalc_40(height, weight)).toFixed(2);
11     console.log(`For (h/w) = (${height}/${weight}), the BMI = ${bmi}`);
12 }
13
14 bmiCalcResult_40(1.75, 55);
15 bmiCalcResult_40(1.75, 70);
16 bmiCalcResult_40(1.75, 85);
17
18 function bmiCalcSuggest_40(height, weight) {}
19
20 bmiCalcSuggest_40(1.75, 55);
21 bmiCalcSuggest_40(1.75, 70);
22 bmiCalcSuggest_40(1.75, 85);
23

```

Browser Window (Right): Shows the console output for the BMI calculator. The output is as follows:

```

For (h/w) = (1.75/55), the BMI = 17.96
For (h/w) = (1.75/70), the BMI = 22.86
For (h/w) = (1.75/85), the BMI = 27.76
Live reload enabled.

```

The browser window also shows a 404 error for the favicon, which is not found.

W09-P2: Midprep P2 answer

The screenshot displays a web browser window with a counter application. The browser address bar shows the URL `127.0.0.1:5500/p2_counter_40/index.html`. The page content shows a large number `1` and three buttons: `DECREASE`, `RESET`, and `INCREASE`. The developer tools console shows the following JavaScript code:

```
1 // set initial value to zero
2 let count = 0;
3 // select value and buttons
4 const value = document.querySelector('#value');
5 const btns = document.querySelectorAll('.btn');
6
7 console.log('btns', btns);
8
9 btns.forEach(function (btn) {
10   btn.addEventListener('click', function (e) {
11     console.log('e.currentTarget.classList', e.currentTarget.classList);
12     const styles = e.currentTarget.classList;
13     if(styles.contains('decrease')) {
14       count--;
15     } else if (styles.contains('increase')) {
16       count++;
17     } else {
18       count = 0;
19     }
20
21     if(count > 0) {
22       value.style.color = 'green';
23     } else if(count < 0) {
24       value.style.color = 'red';
25     } else {
26       value.style.color = '#222';
27     }
28
29     value.textContent = count;
30   });
31 });
```

The developer tools console also shows the following DOM structure:

```
btns
  NodeList(3) [ button.btn.decrease, button.btn.reset, button.btn.increase ]
    0: <button class="btn decrease">
    1: <button class="btn reset">
    2: <button class="btn increase">
    length: 3
    <prototype>: NodeListPrototype { item: item(), keys: keys(), values: values(), ... }
```

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Thu Apr 13 19:34:46 2023 +0800 W09-P2: Midprep P2 answer

W09-P3: Midprep P1 answer (c)(d)

The screenshot displays a web browser window with a BMI calculation application. The browser address bar shows the URL `127.0.0.1:5500/p1_bmi_40`. The page content shows the following BMI calculation results:

Height (h)	Weight (w)	BMI	Result
1.75	55	17.96	1.66 kg lower than normal
1.75	70	22.86	normal
1.75	85	27.76	11.50 kg higher than normal

The developer tools console shows the following JavaScript code:

```
23 }
24
25 > function bmiCalcSuggest_40(height, weight) { ...
26 }
27
28
29
40 // bmiCalcSuggest_40(1.75, 55);
41 // bmiCalcSuggest_40(1.75, 70);
42 // bmiCalcSuggest_40(1.75, 85);
43
44 const bmi_data_40 = [
45   {height: 1.75, weight: 55},
46   {height: 1.75, weight: 70},
47   {height: 1.75, weight: 85},
48 ];
49
50 bmi_data_40.forEach((item) => {
51   bmiCalcSuggest_40(item.height, item.weight);
52 });
53
```

The developer tools console also shows the following DOM structure:

```
bmi summary:
  lower:2
  normal:4
  higher:4
```

```
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)
index.html p2_40.js p1_40.html p1_40.js
p1_bmi_40 > p1_40.js > ...
54 let lowerCount = 0;
55 let normalCount = 0;
56 let higherCount = 0;
57
58 const bmi_data2_40 = [
59   {height: 1.75, weight: 55},
60   {height: 1.75, weight: 70},
61   {height: 1.75, weight: 85},
62   {height: 1.75, weight: 50},
63   {height: 1.75, weight: 75},
64   {height: 1.75, weight: 90},
65   {height: 1.75, weight: 80},
66   {height: 1.75, weight: 65},
67   {height: 1.75, weight: 73},
68   {height: 1.75, weight: 72},
69 ];
70
71 bmi_data2_40.forEach((item) => {
72   const bmi = bmiCalc_40(item.height, item.weight);
73   if (bmi < 18.5) {
74     lowerCount++;
75   } else if (bmi <= 24) {
76     normalCount++;
77   } else {
78     higherCount++;
79   }
80 });
81
82 console.log(`
83 bmi summary:
84   lower:${lowerCount}
85   normal:${normalCount}
86   higher:${higherCount}
87 `);
```

BMI Counter BMI x + - □ ×

127.0.0.1:5500/p1_bmi_40 67% ☆

Inspector Console Debugger Network >> 1

Filter Output

Errors Warnings Logs Info Debug CSS XHR Requests

For (h/w) = (1.75/55), the BMI = 17.96 which is 1.66 kg lower than normal p1_40.js:29:17

For (h/w) = (1.75/70), the BMI = 22.86 which is normal p1_40.js:31:17

For (h/w) = (1.75/85), the BMI = 27.76 which is 11.50 kg higher than normal p1_40.js:34:17

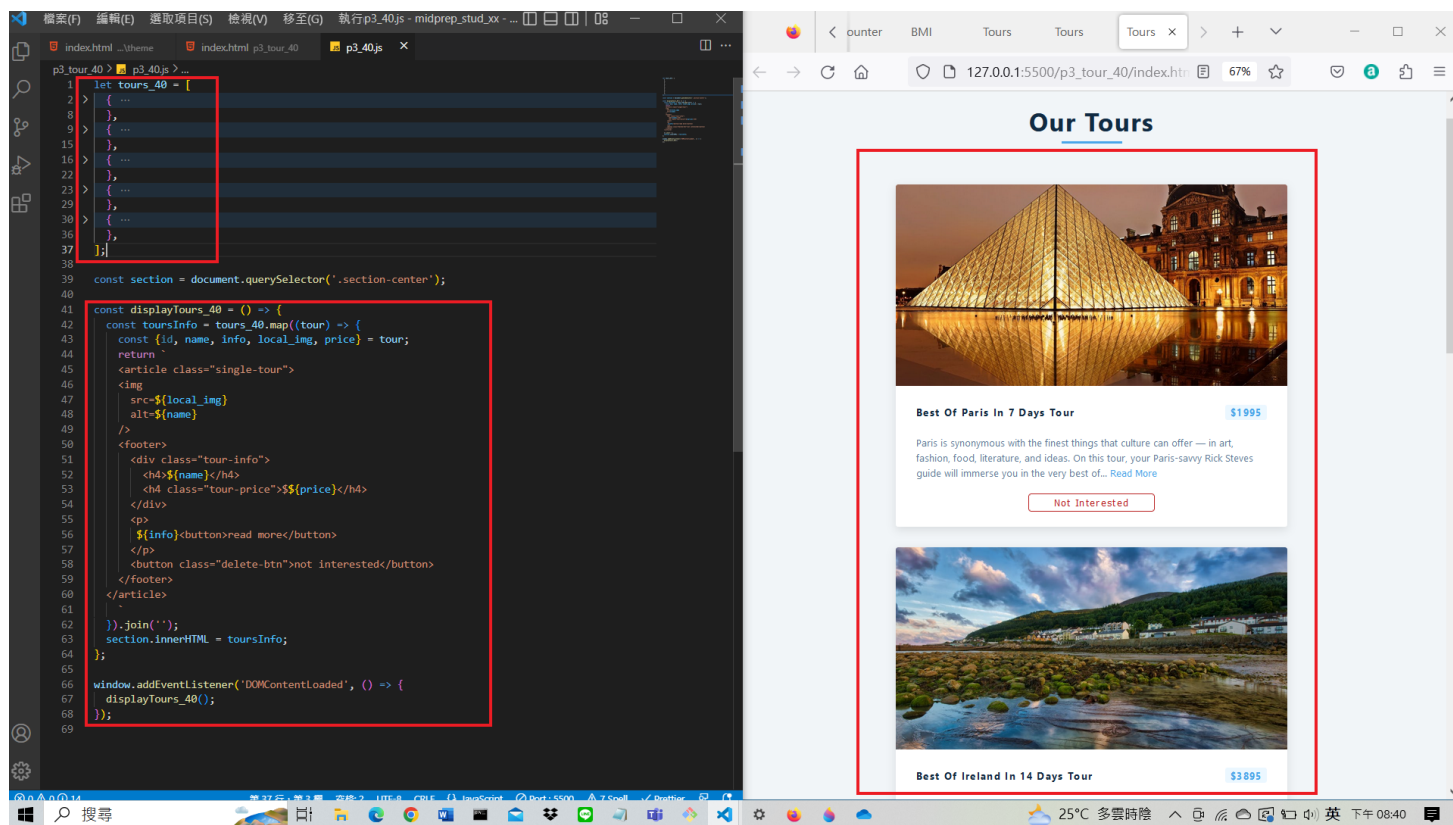
bmi summary:
lower:2
normal:4
higher:4 p1_40.js:82:9

GET http://127.0.0.1:5500/favicon.ico [HTTP/1.1 404 Not Found 0ms]

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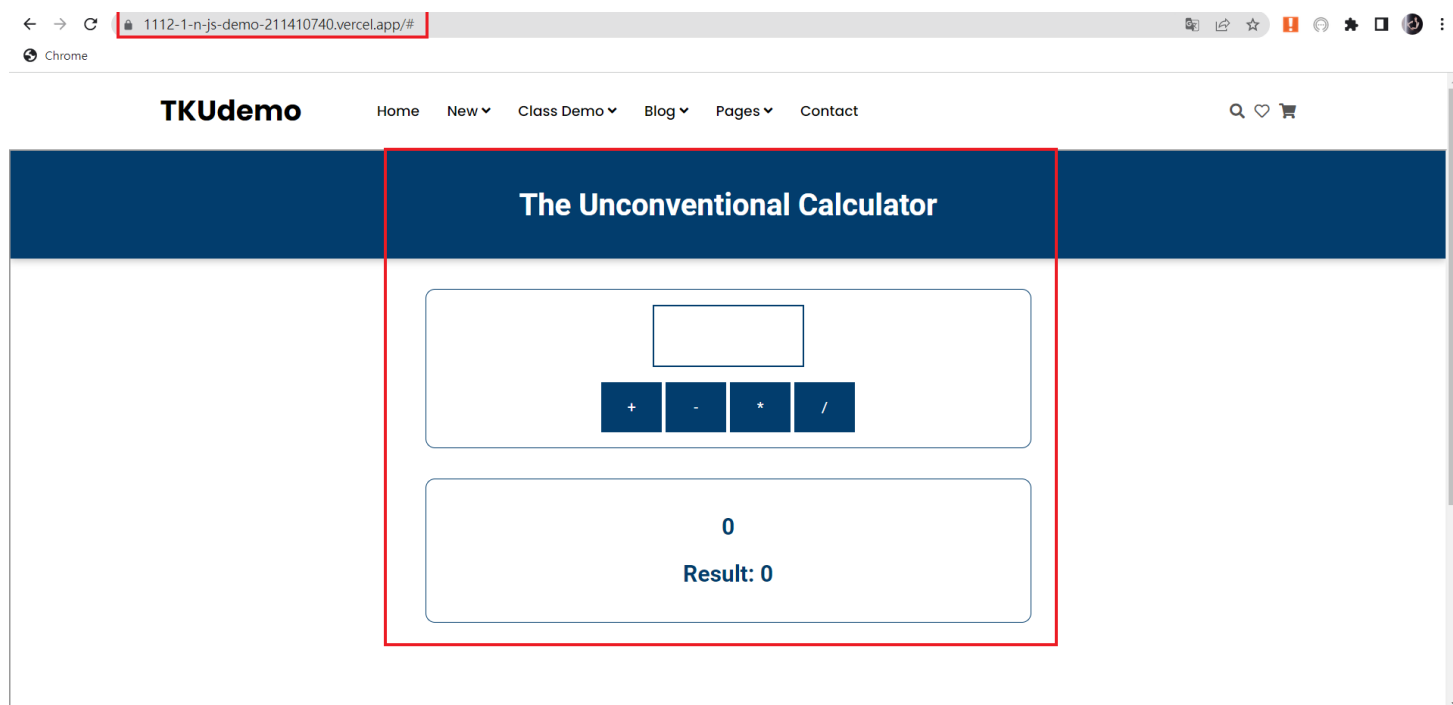
W09-P4: Midprep P3 answer



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W09-P5: Mega Menu deploy to Vercel



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Thu Apr 13 22:48:26 2023 +0800 W09-P5: Mega Menu deploy to Vercel

All logs

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-04-12"
```

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28f7fae yuwen1213 Thu Apr 13 19:33:20 2023 +0800 W09-P1: Midprep P1 answer