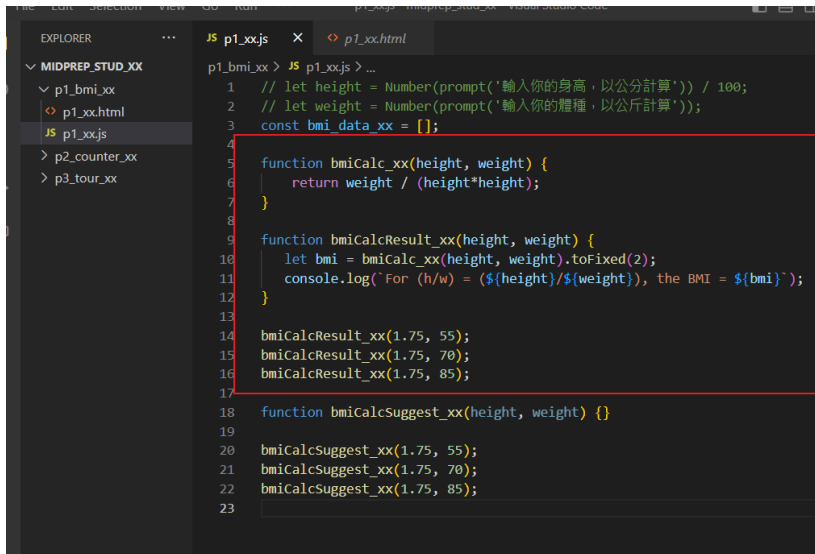


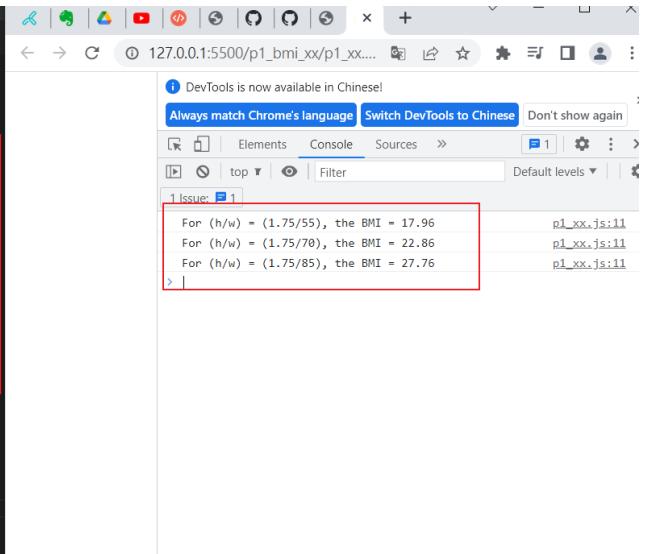
# Week 9 Markdown

## Github URL

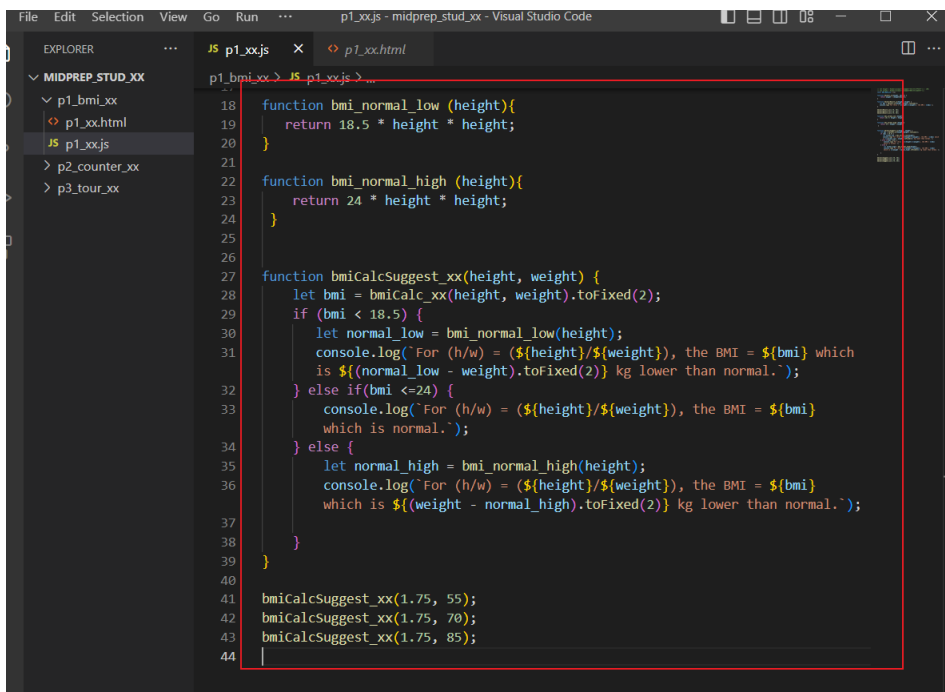
### W09-P1: Midprep P1 answer (a)(b)



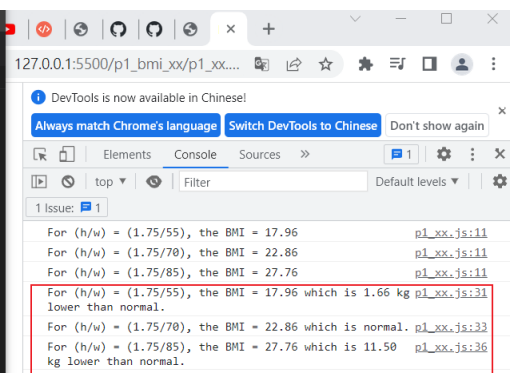
```
1 // let height = Number(prompt('輸入你的身高，以公分計算')) / 100;
2 // let weight = Number(prompt('輸入你的體重，以公斤計算'));
3 const bmi_data_xx = [];
4
5 function bmiCalc_xx(height, weight) {
6   return weight / (height*height);
7 }
8
9 function bmiCalcResult_xx(height, weight) {
10   let bmi = bmiCalc_xx(height,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



```
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
```

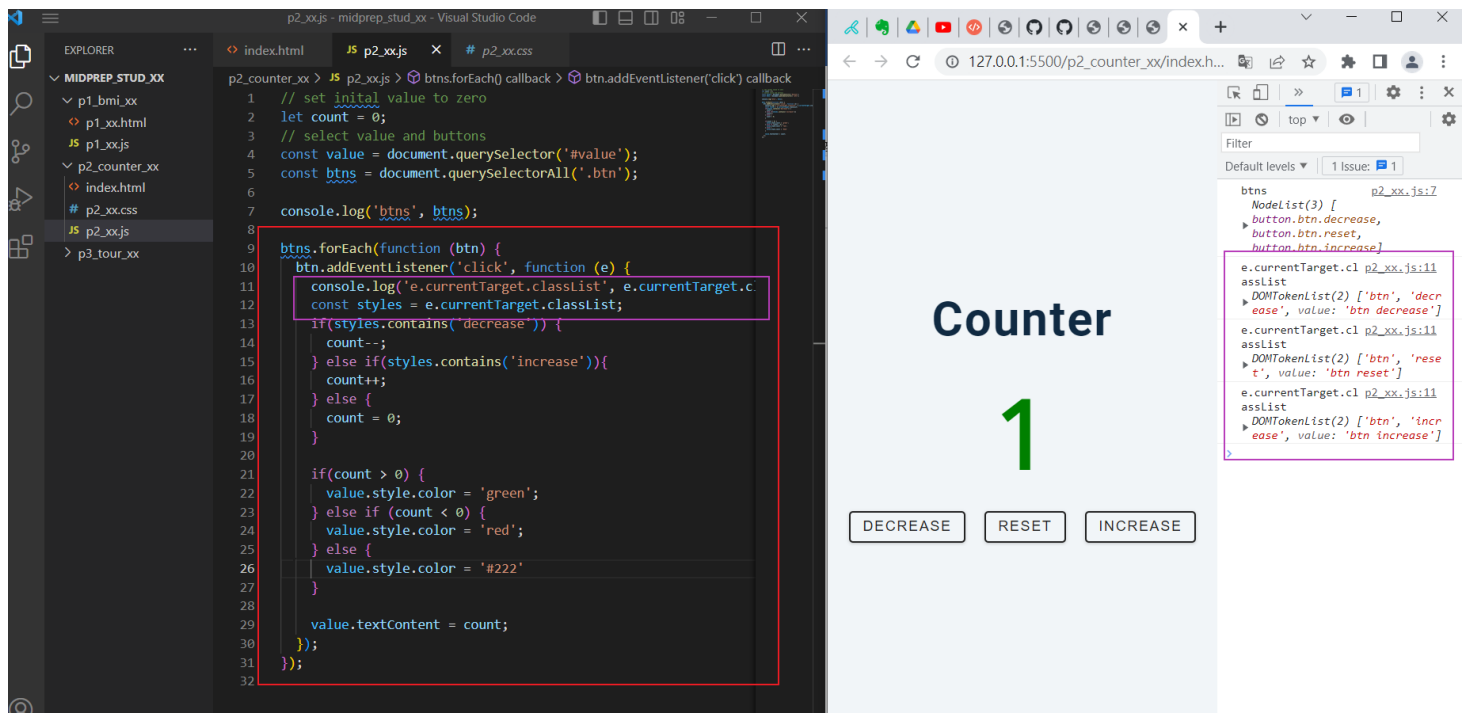


```
18 function bmi_normal_low (height){
19   return 18.5 * height * height;
20 }
21
22 function bmi_normal_high (height){
23   return 24 * height * height;
24 }
25
26
27 function bmiCalcSuggest_xx(height, weight) {
28   let bmi = bmiCalc_xx(height, weight).toFixed(2);
29   if (bmi < 18.5) {
30     let normal_low = bmi_normal_low(height);
31     console.log(`For (h/w) = (${height}/${weight}), the BMI = ${bmi} which
32   is ${((normal_low - weight).toFixed(2))} kg lower than normal.`);
33   } else if (bmi <= 24) {
34     console.log(`For (h/w) = (${height}/${weight}), the BMI = ${bmi}
35   which is normal.`);
36   } else {
37     let normal_high = bmi_normal_high(height);
38     console.log(`For (h/w) = (${height}/${weight}), the BMI = ${bmi}
39   which is ${((weight - normal_high).toFixed(2))} kg lower than normal.`);
40   }
41 }
42
43 bmiCalcSuggest_xx(1.75, 55);
44 bmiCalcSuggest_xx(1.75, 70);
45 bmiCalcSuggest_xx(1.75, 85);
```



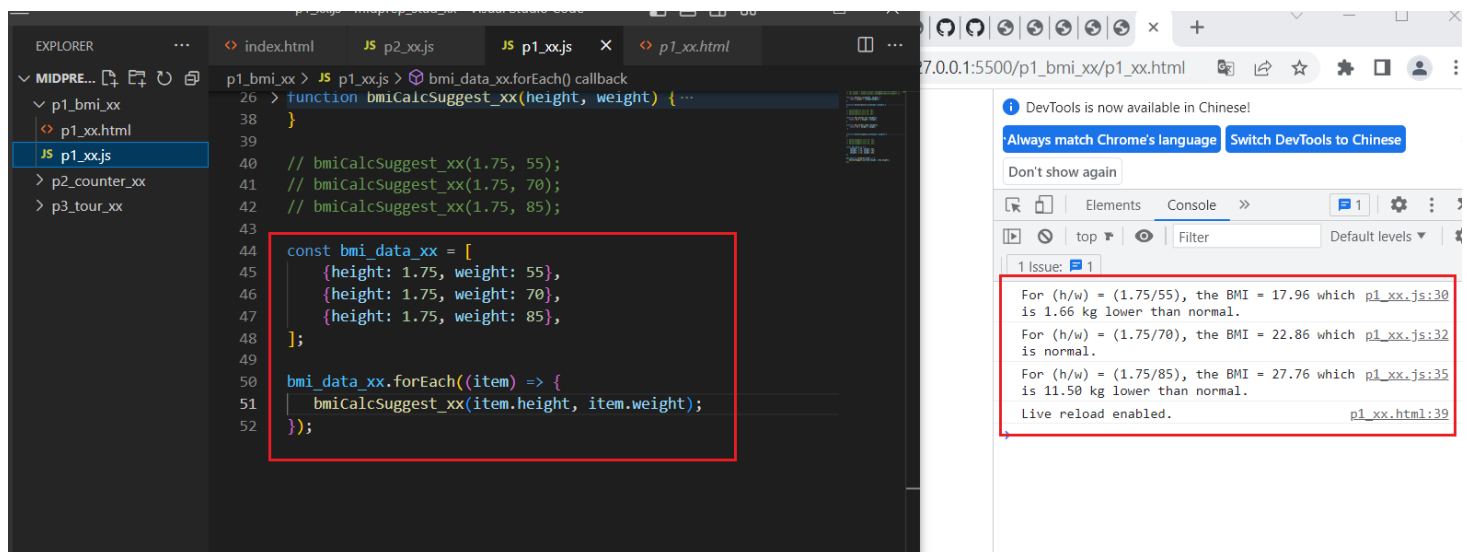
```
For (h/w) = (1.75/55), the BMI = 17.96
For (h/w) = (1.75/70), the BMI = 22.86
For (h/w) = (1.75/85), the BMI = 27.76
For (h/w) = (1.75/55), the BMI = 17.96 which is 1.66 kg lower than normal.
For (h/w) = (1.75/70), the BMI = 22.86 which is normal.
For (h/w) = (1.75/85), the BMI = 27.76 which is 11.50 kg lower than normal.
```

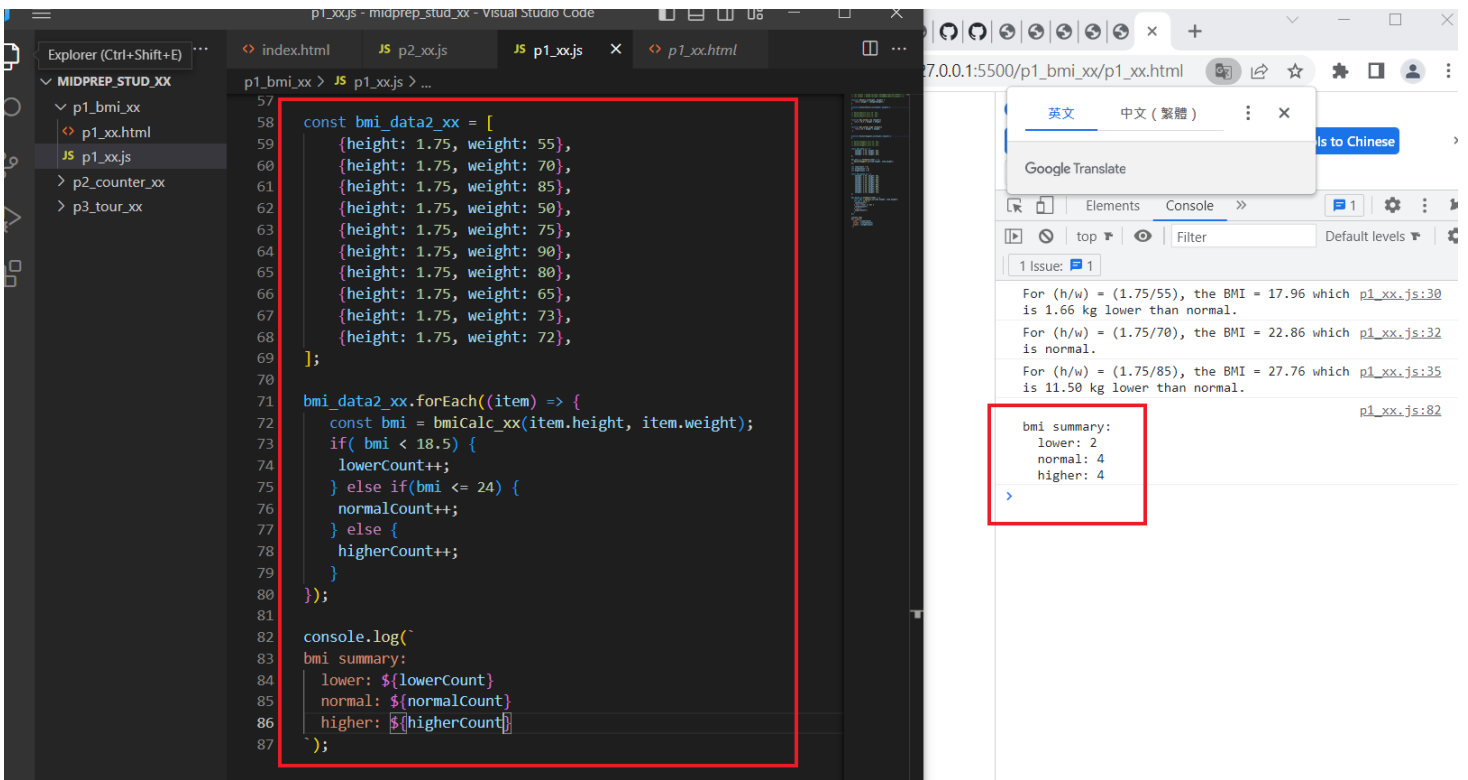
## W09-P2: Midprep P2 answer



b278103 htchung Thu Apr 13 19:32:37 2023 +0800 Midprep P2 answer

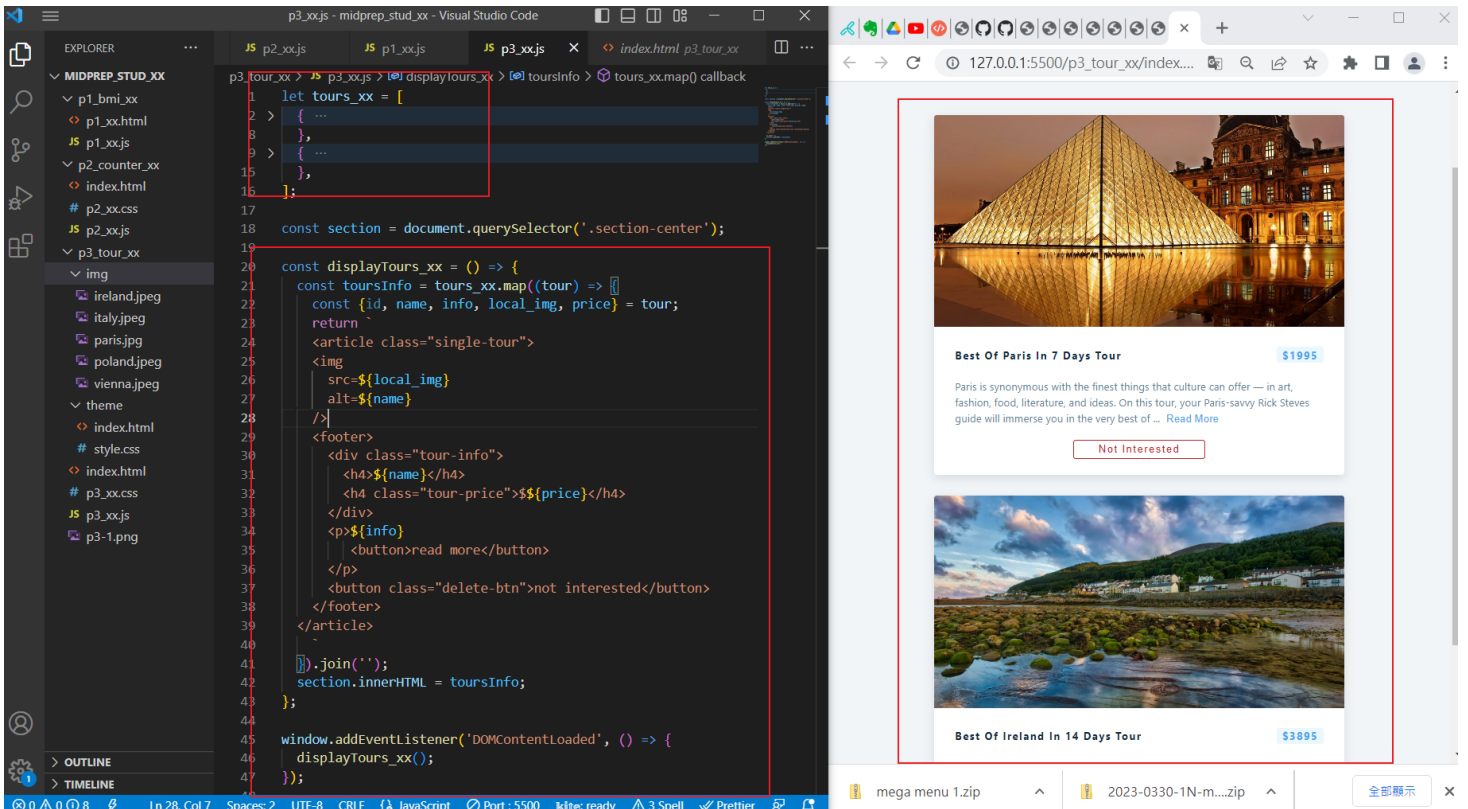
## W09-P3: Midprep P1 answer (c)(d)





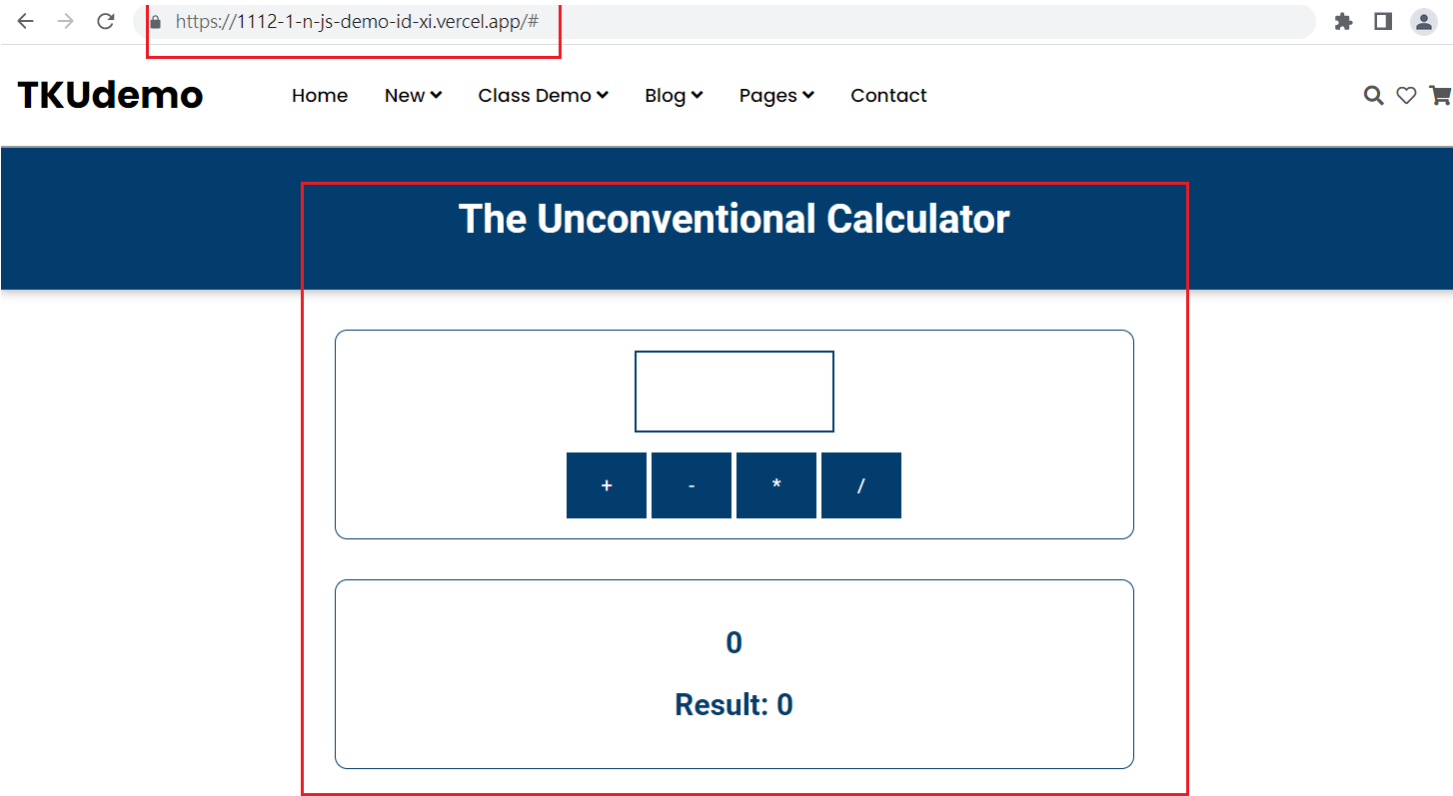
399da3a htchung Thu Apr 13 20:03:24 2023 +0800 W09-P3: Midprep P1 answer (c)(d)

## W09-P4: Midprep P3 answer



00f8d3c htchung Thu Apr 13 20:36:37 2023 +0800 W09-P4: Midprep P3 answer

# W09-P5: Midprep P3 answer



00f8d3c htchung Thu Apr 13 20:36:37 2023 +0800 W09-P4: Midprep P3 answer

## W09-logs



```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-4-12"
```