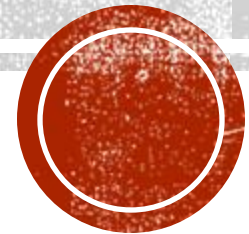# C LANGUAGE

NOTE

Chapter 4 : Repeating Program

@STUDY_DISES

REPEATING PROGRAM

- If you want to keep typing in the program, and you have a stop entering condition,

- Then, you will need to use some ways to do it.

- The instruction will use the while-loop function + scanf function.

- I will introduce the while-loop function in chapter 9, but we need it now,

- It will be looked like

- while (scanf("%…" , &variable) != EOF)

- {

      ....

       Program.....

      ....

   }

SAMPLE PRACTICE

- Practice 4 :
  - Zerojudge a002 :
  - Link : https://zerojudge.tw/ShowProblem?problemid=a002
    - Please write a program, input two variables a and b.
    - Output a+b
    - The program will stop if the input is EOF condition.

SAMPLE PRACTICE ANSWER

```c
#include <stdio.h>

int main ()
{
    int a , b ;
    while ( scanf( "%d%d" , &a , &b ) != EOF )
    {
        printf( "%d\n" , a+b ) ;
    }
    return 0 ;
}
```

編譯器訊息 資源檔 編譯紀錄 除錯 搜尋結果 最小化

中斷

☐ Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\User\Desktop\IG C NOTE\Practice\practice_4.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 1.16s

ADVANCED PRACTICE

- Advanced Practice 4 :
  - Please write a program to input two number with height and weight.
    - The unit of height is meters.
    - The unit of weight is kliograms.
    - And they "might" have a decimal point.
    - Please calculate the BMI by the formula (weight)/(height*height) and output the answer.
    - The program will stop when input is not numbers.

Advanced Practice Sample In/Out Put

C:\Users\User\Desktop\IG C NOTE\Advanced_Practice\Advaned_practice4.exe

```
Please input the height and weight : 1.78 90
The BMI will become 28.405506
Please input the height and weight : 1.67 60
The BMI will become 21.513859
Please input the height and weight : q

--------------------------------
Process exited after 17.84 seconds with return value 0
請按任意鍵繼續 . . .
```
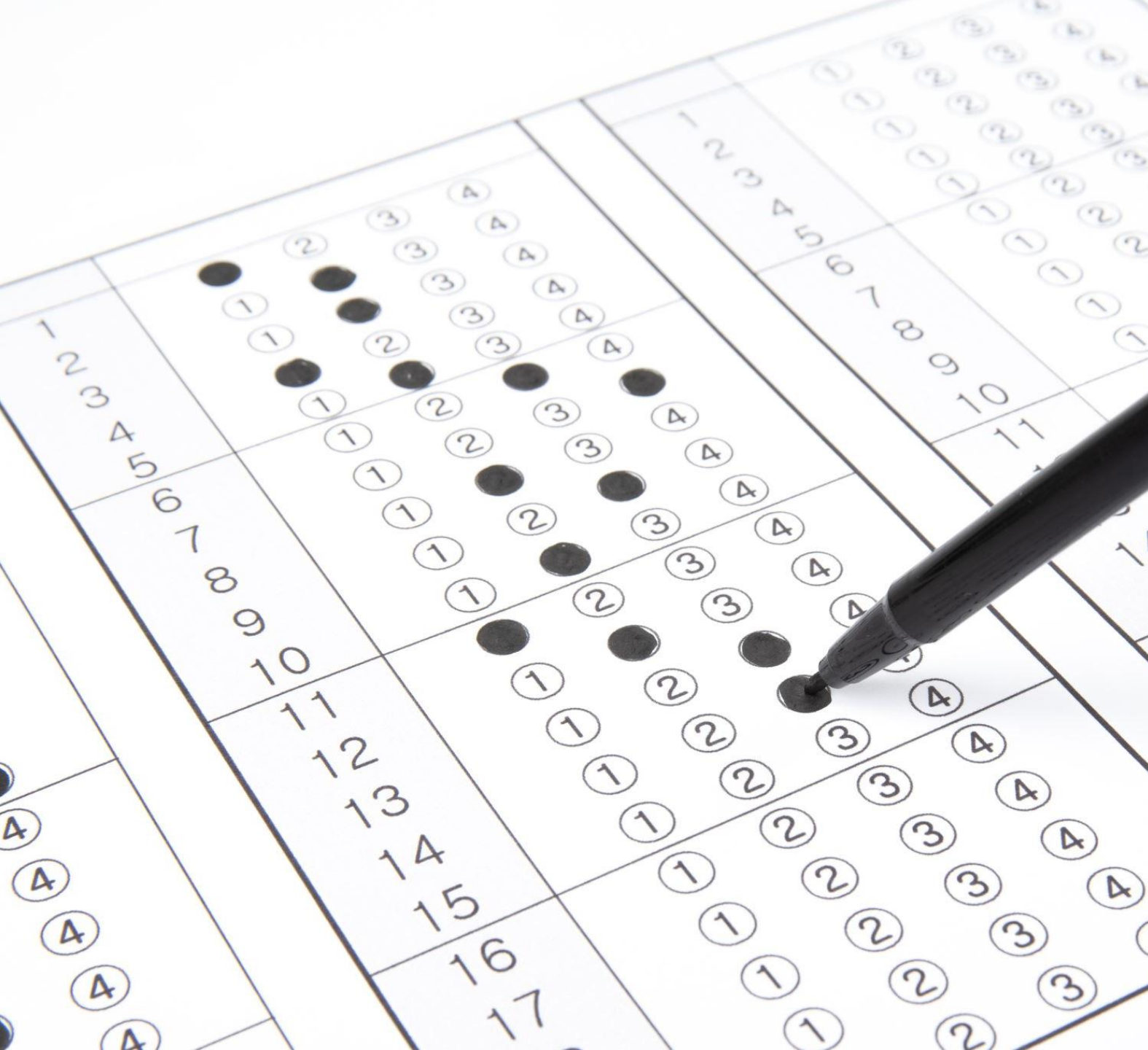
IF YOU WANT FULL OF THIS NOTE ANS THE ANSWER OF ADVANCED PRACTICE

- Please follow this IG @study_dises.

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- Share this post to your Story and tag this account , make a screenshot and send to me.

- Then I will give you the link.

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