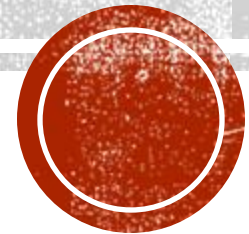# C LANGUAGE

NOTE

Chapter 1 : Base structure of C and Output

BEFORE WE START

- Please install some compilers or IDE in your Computer in order to Open the .c document.

- If you haven't done it , Please download the choose one of these Compilers and Download.

- DEV C++ ： https://sourceforge.net/projects/orwelldevcpp/

- Code Blocks ： https://www.codeblocks.org/downloads/

- I will use the DEV C++ to do the sample code.

@STUDY_DISES

BASE STRUCTURE

- The base structure of C language is

```
1  #include <stdio.h>
2
3  int main ()
4  {
5      /*
6      ...
7      program will be written here.
8      ...
9      */
10     return 0 ;
11 }
```

BASE STRUCTURE

- By the sample case, we need to "include" a C-Library named "stdio.h" .

- After them, we need to declare our main program.

OUTPUT INSTRUCTION

- If we want to Output some information to the User , we need a instruction of Output.

- This instruct is " printf ( ) ;"

- By the way, in C language, we usually need a ";" after any instructions.

- There will be some cases doesn't need it, but usually need it.

- So Let's to our first program

- Output : "Hello World!!!!!"

OUTPUT INSTRUCTION

```c
1  #include <stdio.h>
2
3  int main ()
4  {
5      printf( "Hello World!!!!\n" ) ;
6      return 0 ;
7  }
```

OUTPUT INSTRUCTION

- By the sample program, we have a output instruction at 6th line.
- printf("Hello World!!!!\n") ;

- NOTE
1. What we want to output will be out into the "" .
2. \n is a instruction that called end-of-line, you can print the hello world twice and run the program without \n , then you will know what it means.
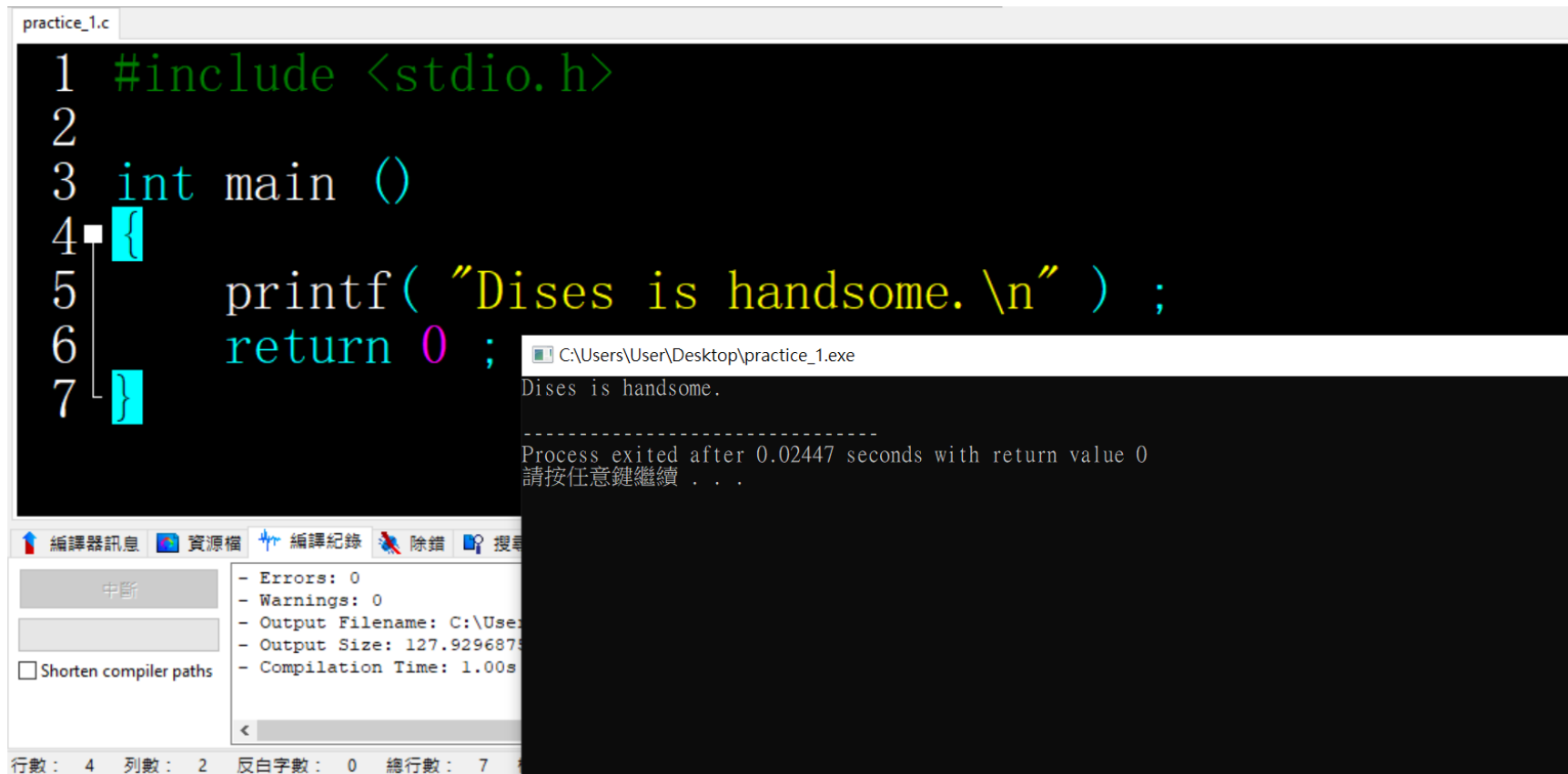
PRACTICE

- Prcatice 1 :

-           Please output your name with an adjective like Dises is handsome.

SAMPLE CODE