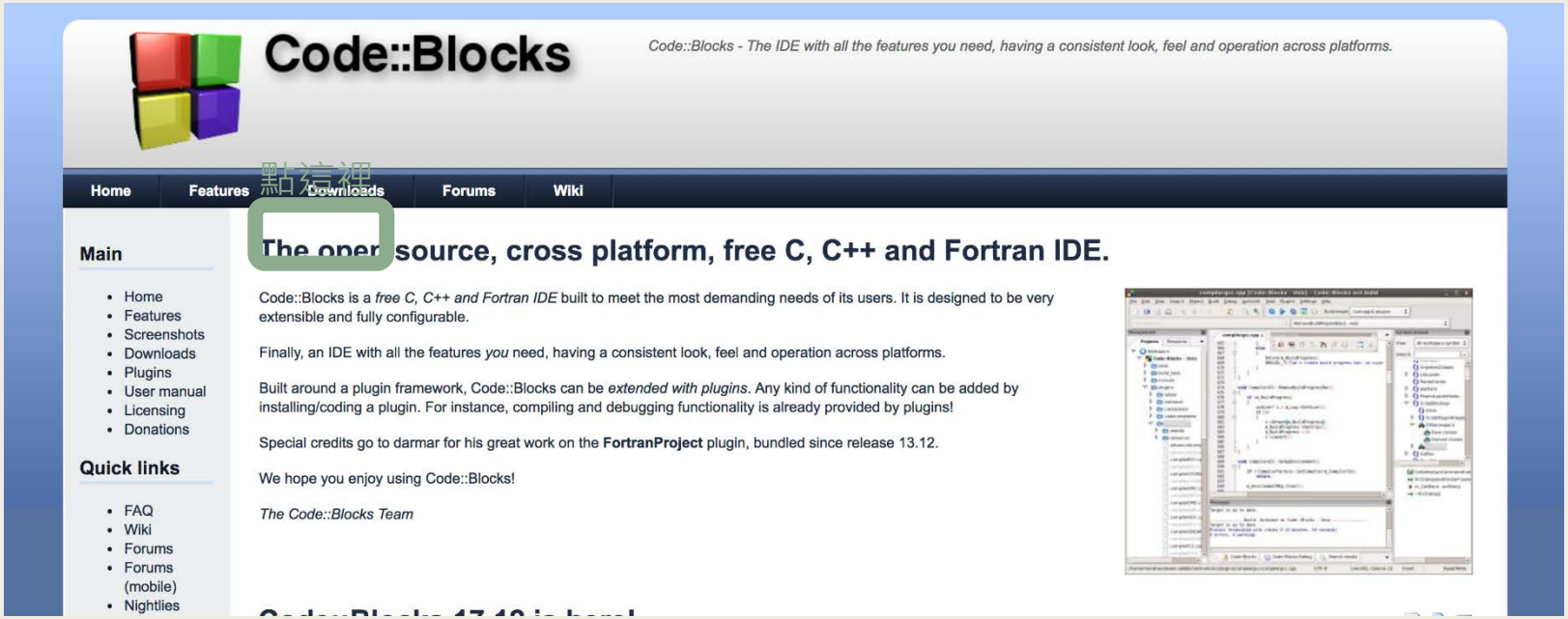
Practice

2019/03/04

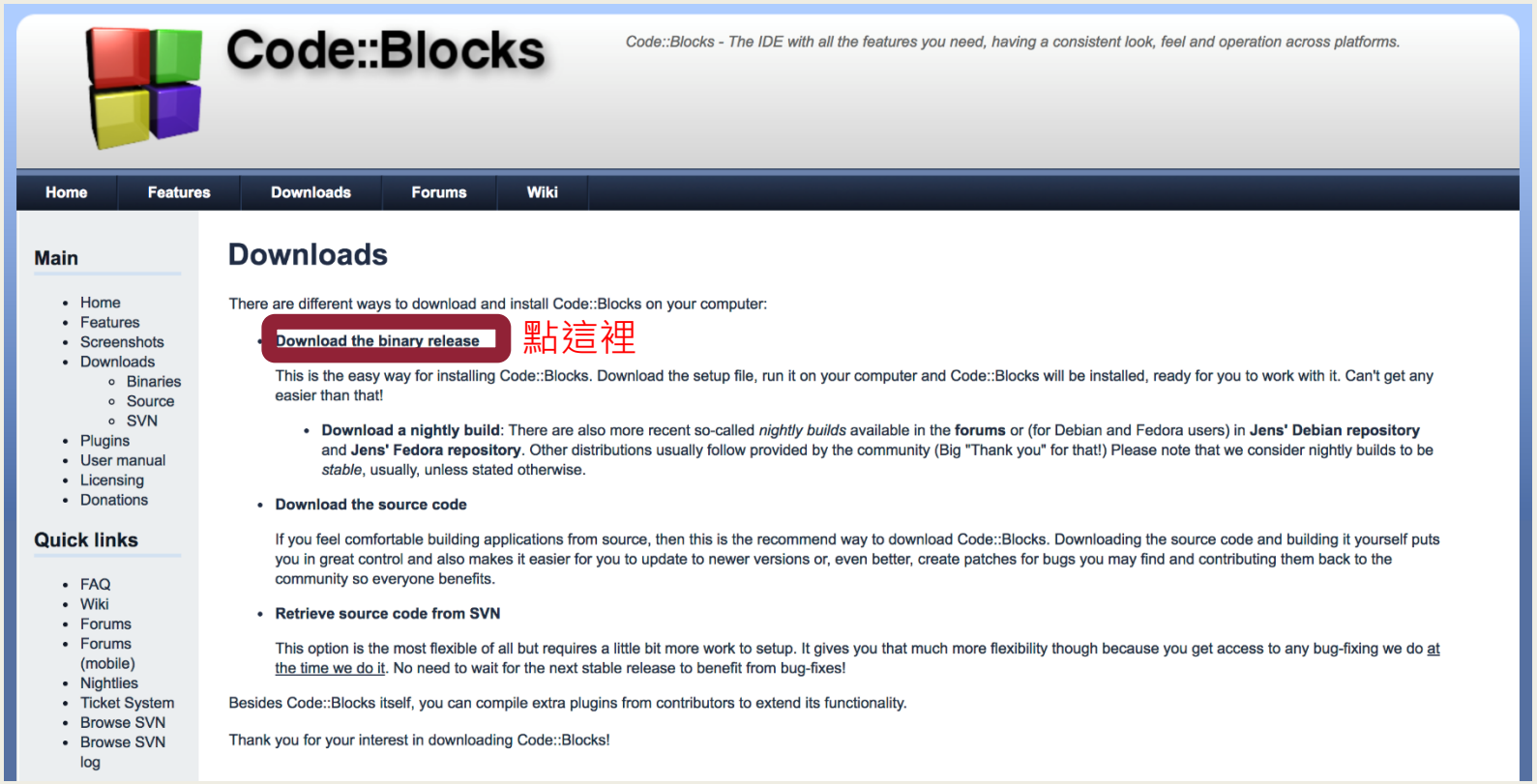
Install code::blocks (1)

- 到 Code::Blocks 的網站(http://www.codeblocks.org)
- 點 Downloads



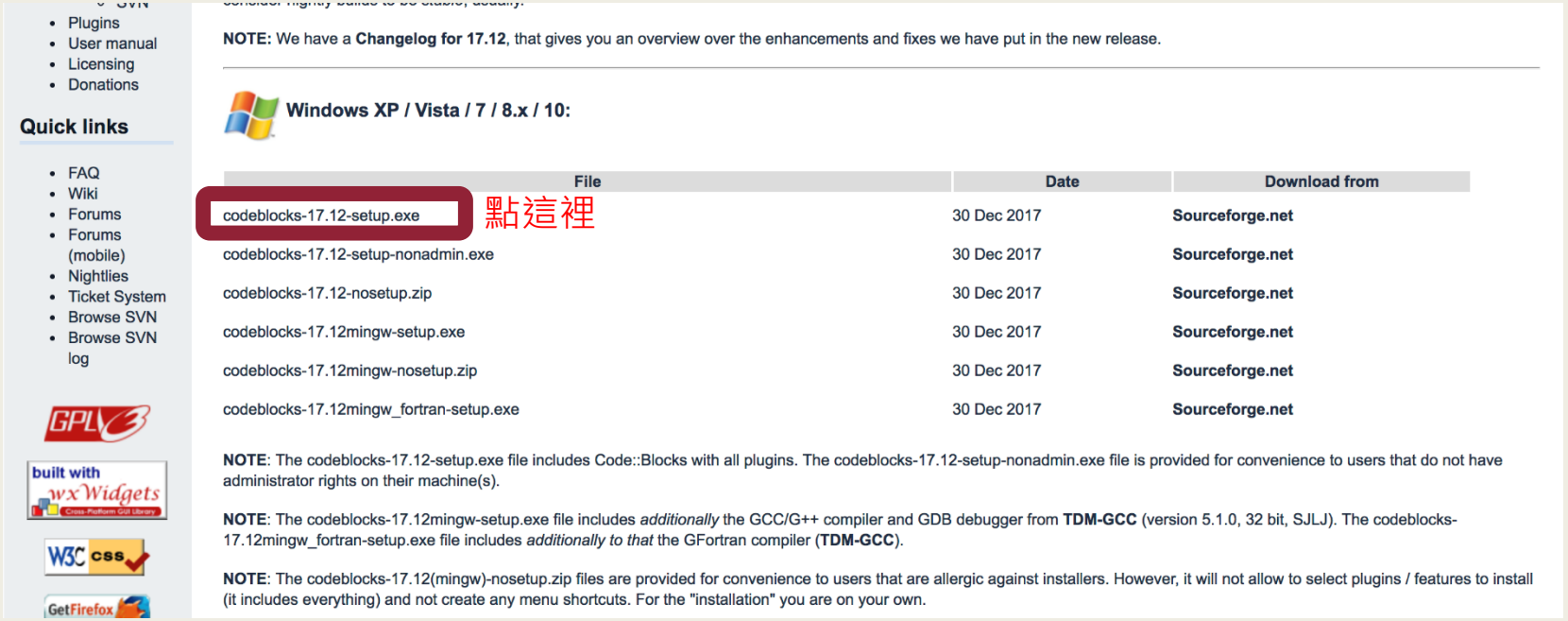
Install code::blocks (2)

- 點 Download the binary release



Install code::blocks (3)

- 點 Download the binary release 後，找到 codeblocks-17.12mingw-setup.exe 把它下載下來
- 下載好後打開它照上面的指示就能安裝完成



- Plugins
- User manual
- Licensing
- Donations

Quick links

- FAQ
- Wiki
- Forums
- Forums (mobile)
- Nightlies
- Ticket System
- Browse SVN
- Browse SVN log

NOTE: We have a **Changelog for 17.12**, that gives you an overview over the enhancements and fixes we have put in the new release.

Windows XP / Vista / 7 / 8.x / 10:

File	Date	Download from
codeblocks-17.12-setup.exe 點這裡	30 Dec 2017	**Sourceforge.net**
codeblocks-17.12-setup-nonadmin.exe	30 Dec 2017	**Sourceforge.net**
codeblocks-17.12-nosetup.zip	30 Dec 2017	**Sourceforge.net**
codeblocks-17.12mingw-setup.exe	30 Dec 2017	**Sourceforge.net**
codeblocks-17.12mingw-nosetup.zip	30 Dec 2017	**Sourceforge.net**
codeblocks-17.12mingw_fortran-setup.exe	30 Dec 2017	**Sourceforge.net**

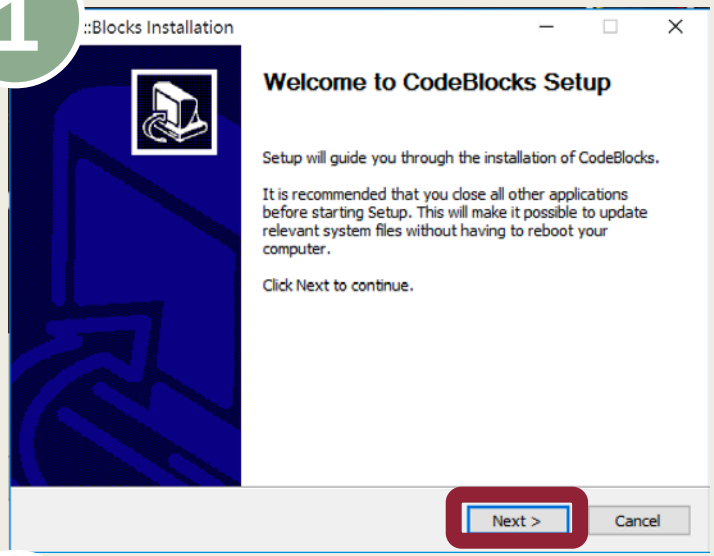
NOTE: The codeblocks-17.12-setup.exe file includes Code::Blocks with all plugins. The codeblocks-17.12-setup-nonadmin.exe file is provided for convenience to users that do not have administrator rights on their machine(s).

NOTE: The codeblocks-17.12mingw-setup.exe file includes *additionally* the GCC/G++ compiler and GDB debugger from **TDM-GCC** (version 5.1.0, 32 bit, SJLJ). The codeblocks-17.12mingw_fortran-setup.exe file includes *additionally to that* the GFortran compiler (**TDM-GCC**).

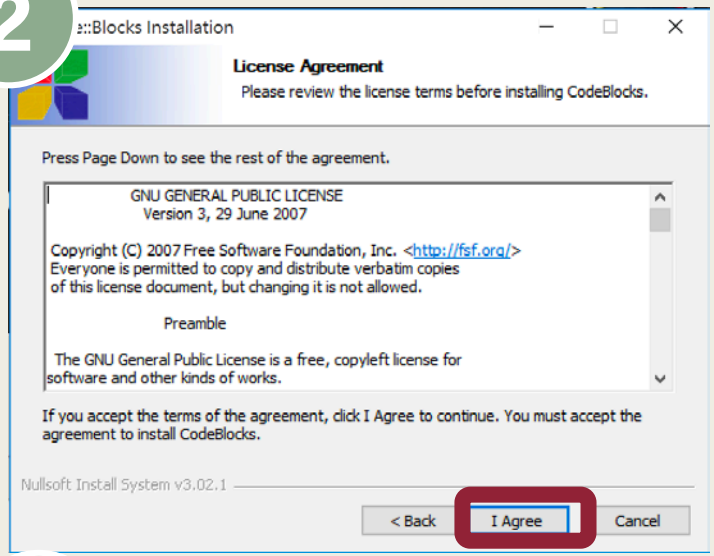
NOTE: The codeblocks-17.12(mingw)-nosetup.zip files are provided for convenience to users that are allergic against installers. However, it will not allow to select plugins / features to install (it includes everything) and not create any menu shortcuts. For the "installation" you are on your own.

Install code::blocks (4)

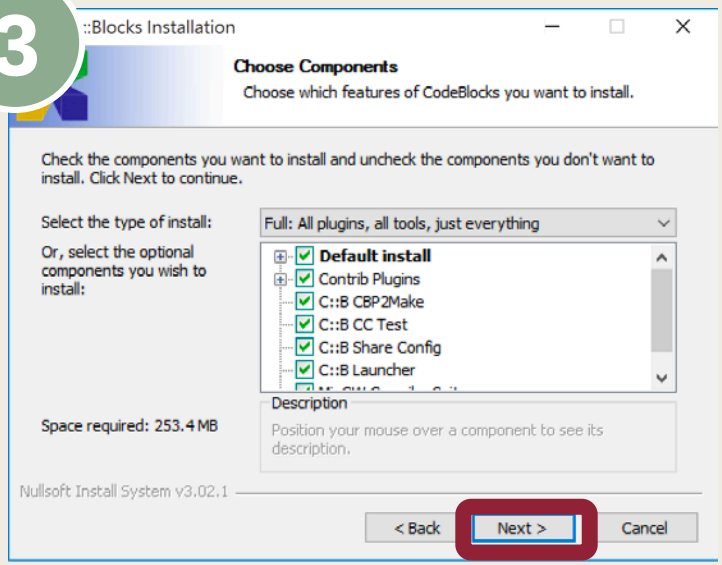
1



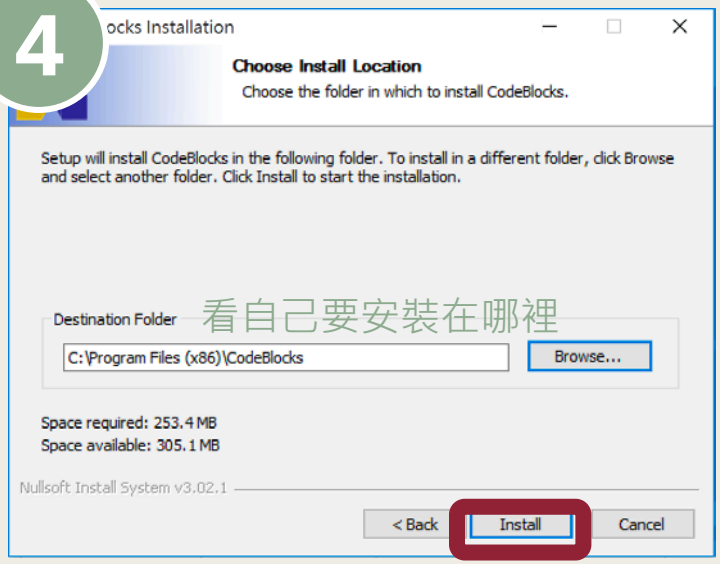
2



3

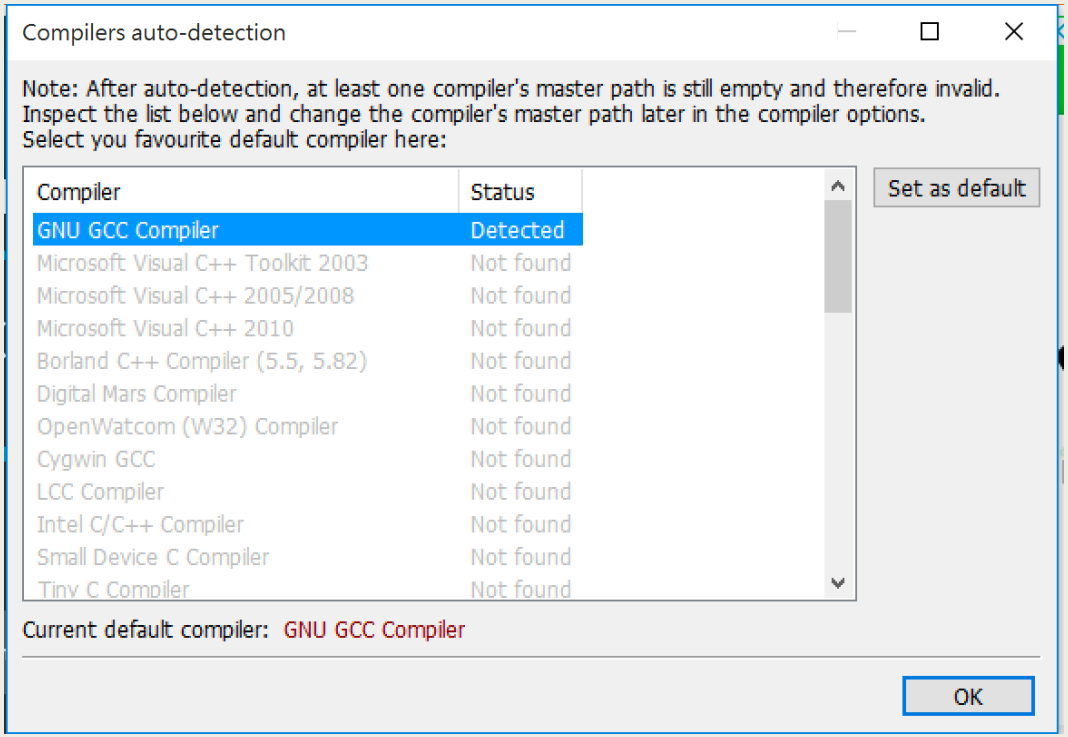


4

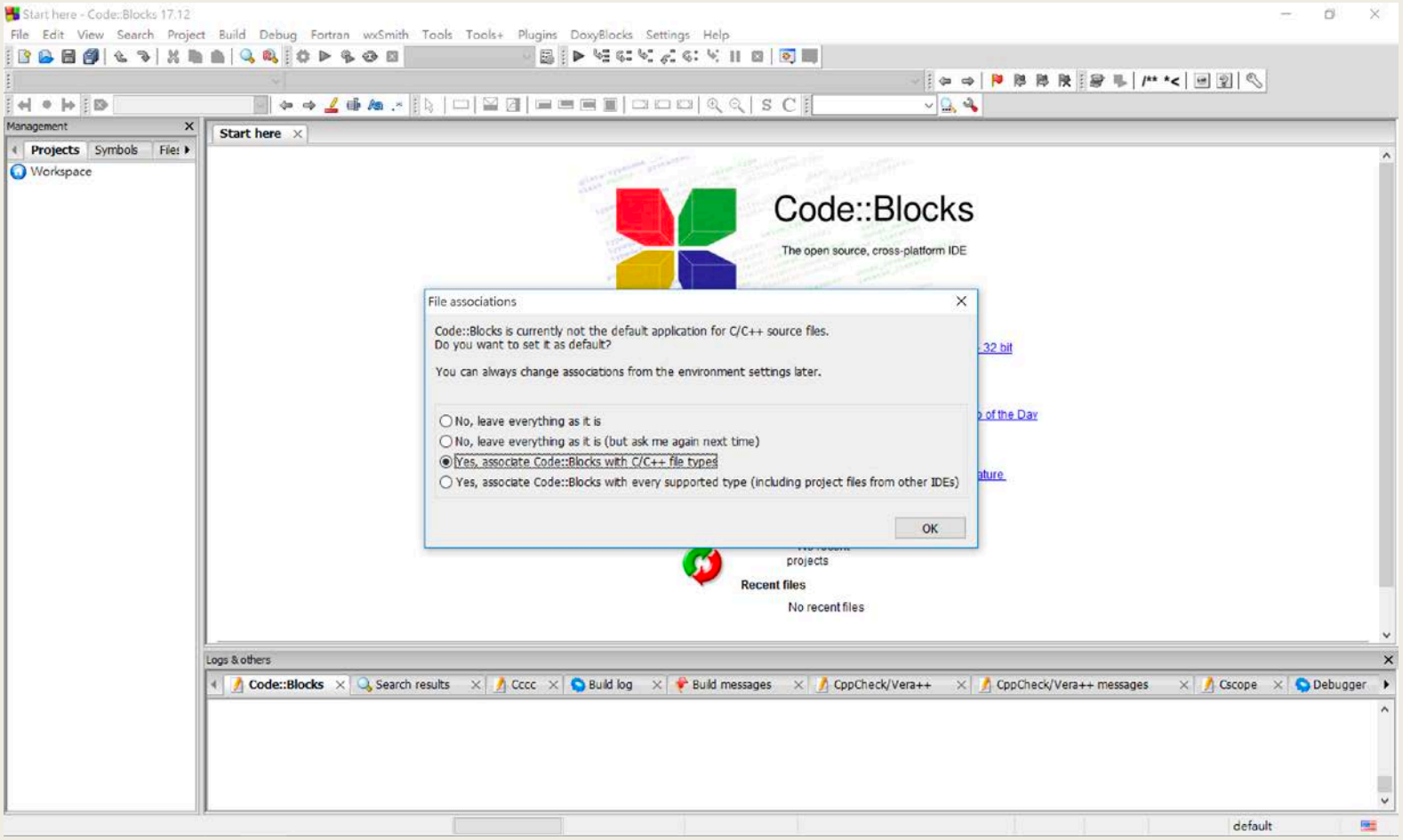


How to use (1)

- 打開Code Blocks

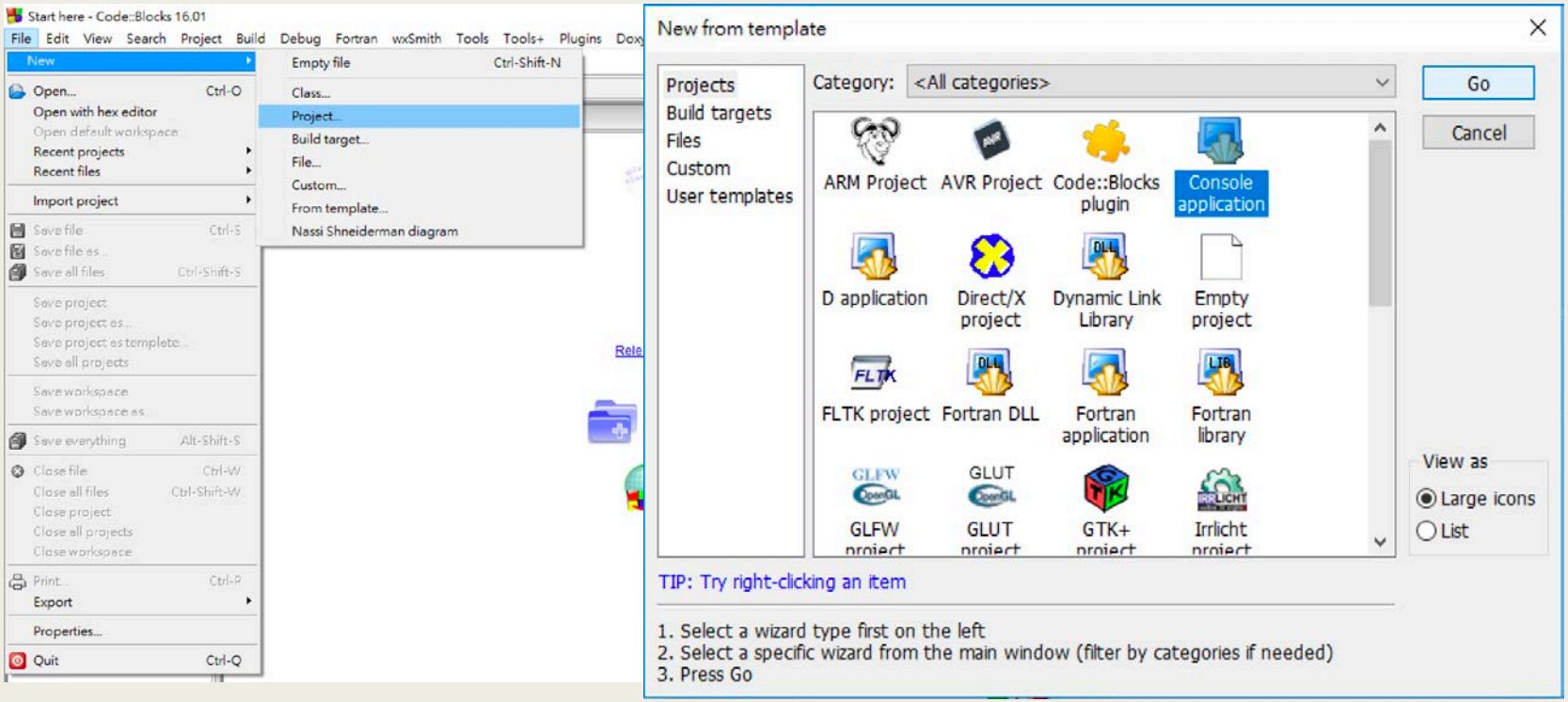


How to use (2)


Start here - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Symbols Files
Workspace
Start here
Code::Blocks
The open source, cross-platform IDE
File associations
Code::Blocks is currently not the default application for C/C++ source files.
Do you want to set it as default?
You can always change associations from the environment settings later.
No, leave everything as it is
No, leave everything as it is (but ask me again next time)
Yes, associate Code::Blocks with C/C++ file types
Yes, associate Code::Blocks with every supported type (including project files from other IDEs)
OK
projects
Recent files
No recent files
Logs & others
Code::Blocks
Search results
Cccc
Build log
Build messages
CppCheck/Vera++
CppCheck/Vera++ messages
Cscope
Debugger
default

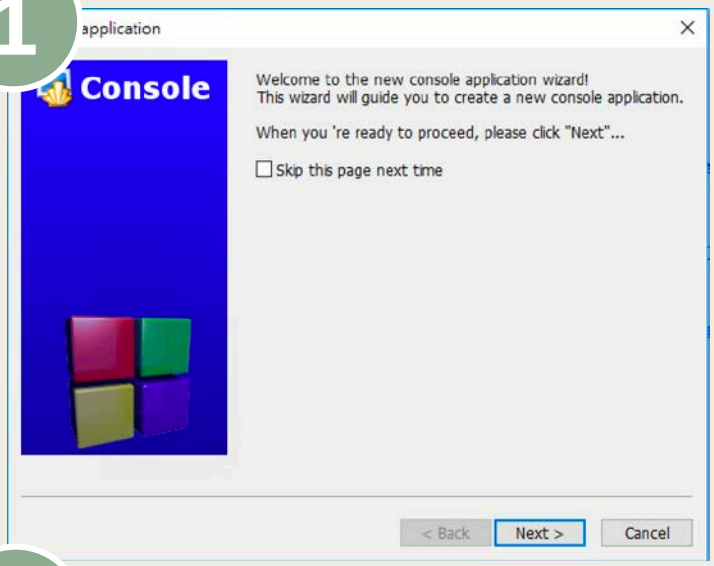
How to use (3)

- File > New > Project > Console application

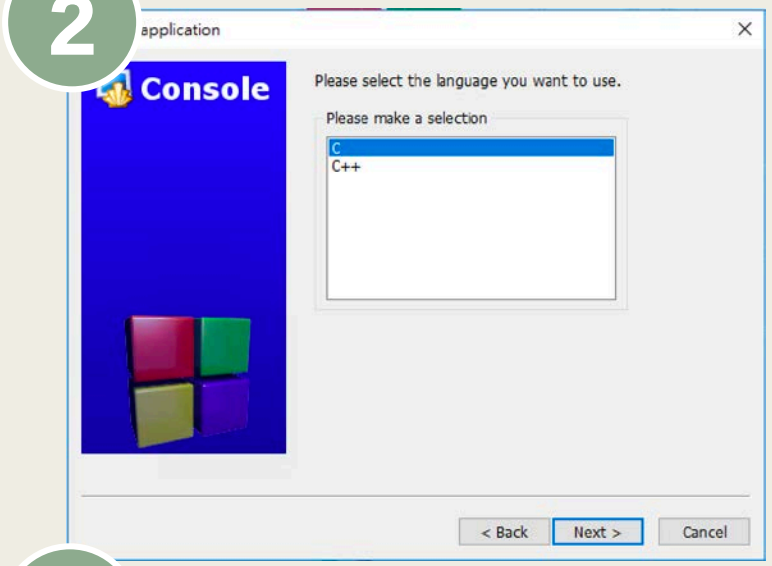


How to use (4)

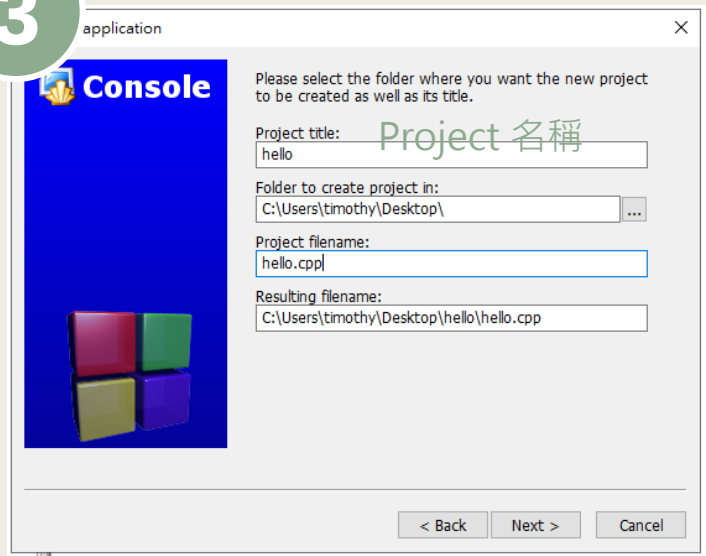
1



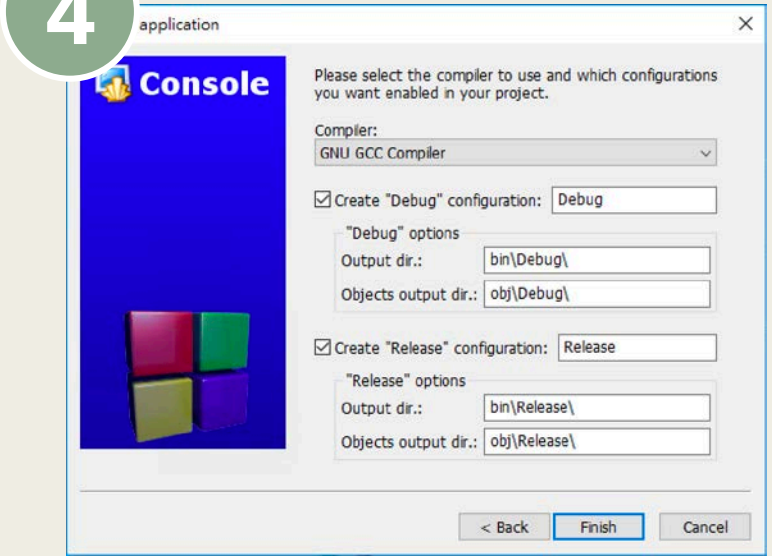
2



3

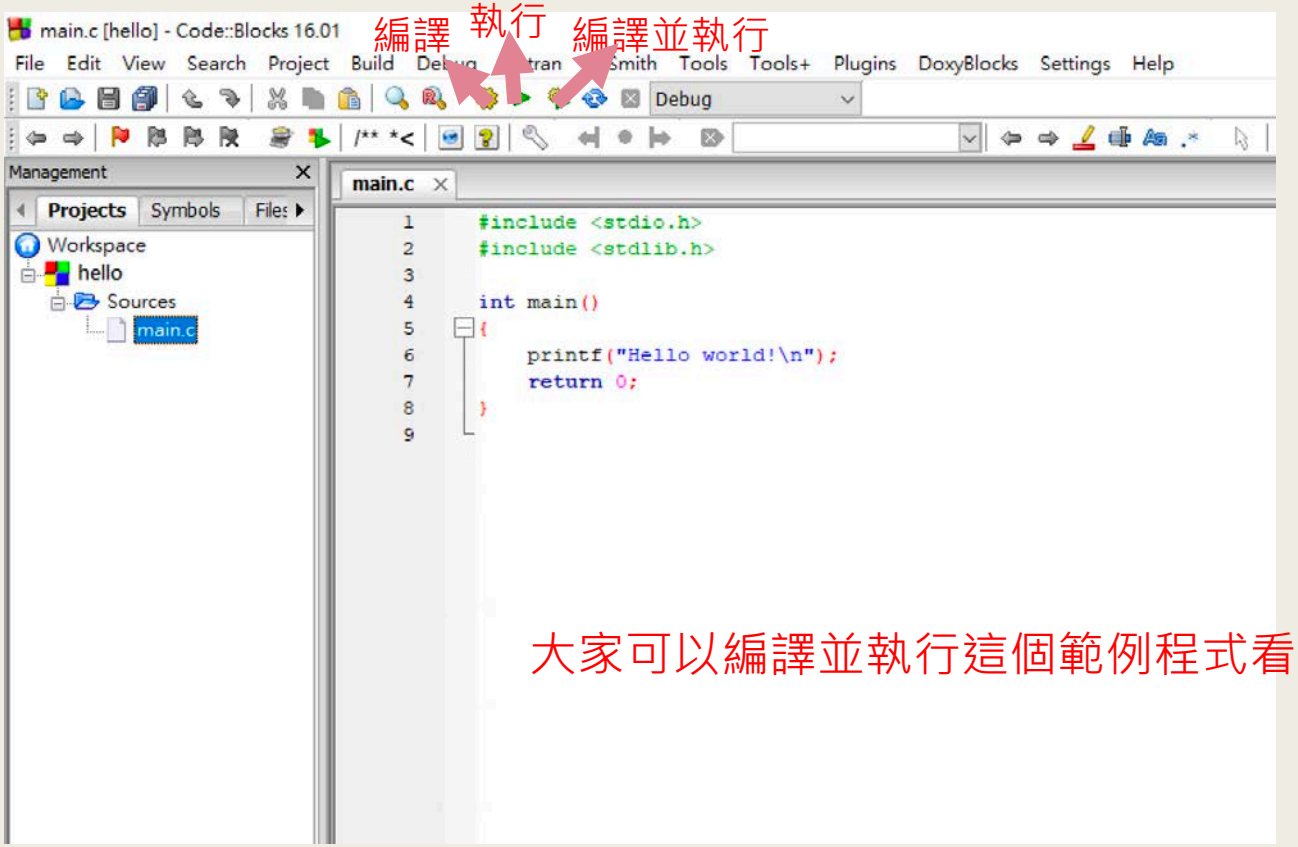


4



How to use (5)

- 按旁邊的 main.c 就可以開始寫程式了



大家可以編譯並執行這個範例程式看看結果如何

系計中帳號申請

- https://account.cs.nctu.edu.tw/

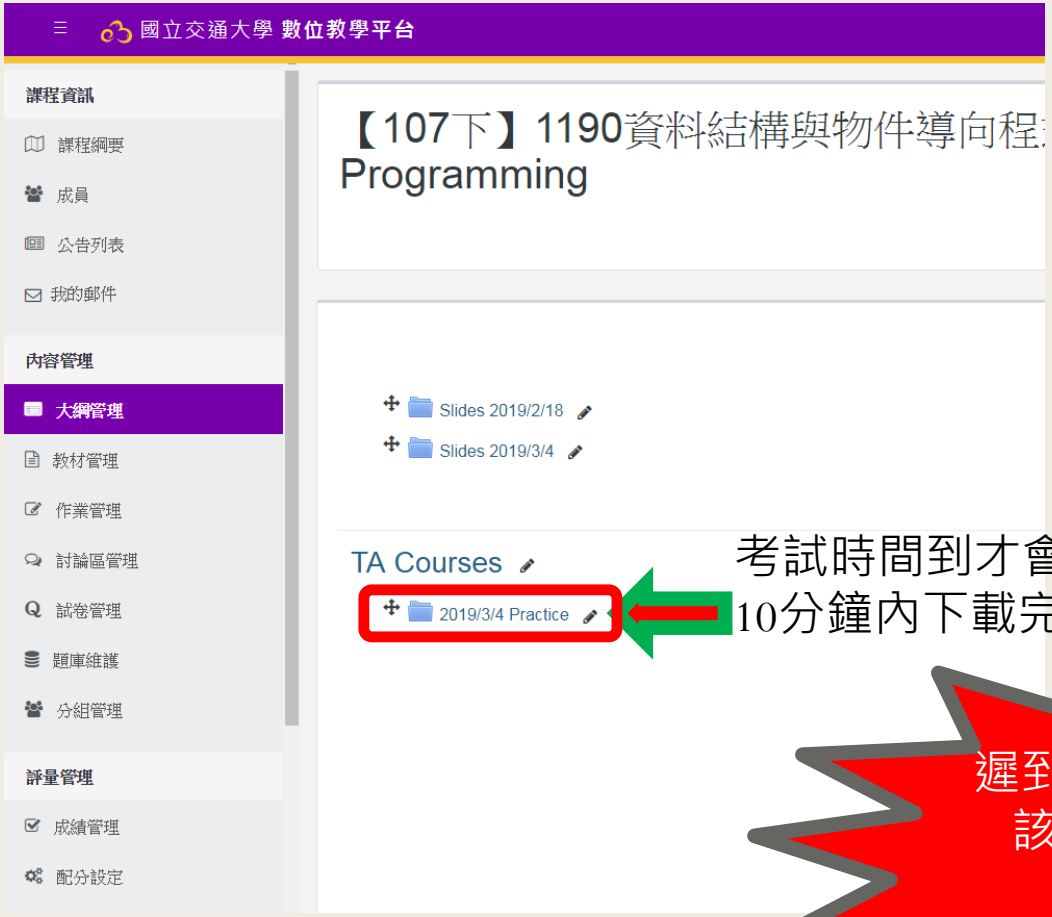
[課程需求(輔系、交換生、外系修課、外校暑修)]

1. 閱讀 個資法同意書
2. 列印 帳號申請同意書 ，經由課程教授簽名同意
3. 線上填寫帳號申請表
4. 盡速攜 帳號申請同意書 與學生證，於系計中 開放時間 到櫃台開通帳號
5. 帳號約於五分鐘後建立
6. 帳號期限: 課程帳號固定於每年7/31刪除 (交大電資學士班因修課較多，特例延長至預定畢業年度刪除)

課程帳號 Course Account

上機練習 (1)

- New E3 課程網頁內



考試時間到才會開啟，
10分鐘內下載完畢

遲到超過10分鐘，
該次以0分計

上機練習 (1)


國立交通大學 數位教學平台
課程資訊
課程綱要
成員
公告列表
我的郵件
內容管理
大綱管理
教材管理
作業管理
討論區管理
試卷管理
題庫維護
分組管理
評量管理
成績管理
配分設定
【107上】1189計算機概論與程式設計 Intr
Quiz1
Quiz1_Q1_sample.c
Quiz1_Q2_sample.c
Quiz1.pdf
下載資料夾
編修
點擊下載
下載完記得先
解壓縮，再開
始編寫程式

考試內容

- 一般上機考題大約1~2題
- 期中期末考題遠大於2題
- 一般考題及期中期末考中，某些題會與課本內的練習題有87%相似

考試規則(本次練習不計分)

1. 可以翻閱你覺得有幫助的書、講義 (教室會斷網!!)
2. 不得作弊，違者依校規論處
3. 若有格式錯誤的情形，會將該題分數 ×0.8 計算
4. **本次練習都只需繳交 Header file**

   不得更該 main_Q1.c 中任何內容

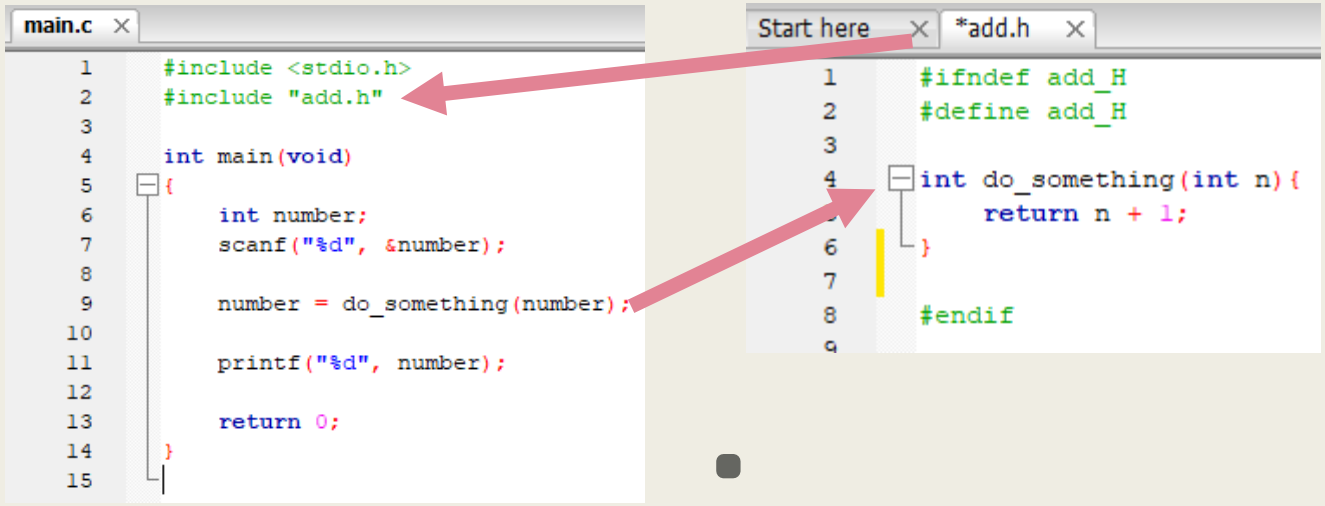
   繳交時請自行將 Header file 檔名改為 學號 – 題號

   如：0756704-1.h

   註：不需變更 ifndef, define, include 的檔名
5. 總共只有一次繳交機會，請務必確認格式正確後，再舉手找助教繳交。
6. 行動電子產品 (手機、平板電腦等等)請收在包包內，不要放在桌面上或使用它。

Header file

- Header file contains function declarations and macro definitions to be shared between several source files.
- For example



main.c

```c
#include <stdio.h>
#include "add.h"

int main(void)
{
    int number;
    scanf("%d", &number);

    number = do_something(number);

    printf("%d", number);

    return 0;
}
```

Start here | *add.h

```c
#ifndef add_H
#define add_H

int do_something(int n){
    return n + 1;
}

#endif
```

- In Header file (*.h) , you can add any function or declaration **except** main function

Practice 1 – GCD

Description

You should input a string in the terminal without duplicated alphabet. The program will stop reading the string when you press Enter. The string should be stored in the linked list. After the string has been stored in the linked list, find the index of the character within the linked list and find the length of the string.

Practice 1 – GCD

Description

You should implement with the function:

```
int reduce ( int numerator,  int denominator);
```

and the numerator and denominator are the numerator and denominator of a fraction. The function will return the largest GCD number of numerator and denominator.

Practice 1 – GCD

You should implement the “reduce” function within the header file and include it in “main_Q1.c”.

gcd.h

```
#ifndef GCD_H
#define GCD_H
int reduce ( …)
{…}
 #endif
```

main_Q1.c

```
#include <stdio.h>
#include "gcd.h  “
int main (void) {
    …
    reduce(…)
    …
}
```

Please **ONLY** complete the “gcd.h” file in the folder

You should **NOT** modify “main_Q1.c” file

Rename “gcd.h” with your student ID (ex:0756704.h) after finish

No need to hand in .c & .exe file

Practice 1 – GCD

Sample Input 1
88/54

Sample Output 1
44/27

Sample Input 2
47/53

Sample Output 2
47/53

Q&A