CodeBlocks tutorial

Install

- We will use codeblocks 20.03 with mingw nonsetup version
- Note: we highly recommend you using codeblocks and with the right mingw version, otherwise unexpected error will occur in your final project.
- ► For MAC user, we recommend Visual Studio Code
- Windows:
 - https://sourceforge.net/projects/codeblocks/files/Binaries/20.03/Windows/codeblocks-20.03mingw-nosetup.zip/download
- MAC: <u>Visual Studio Code Code Editing. Redefined</u>
- Linux:
 - https://sourceforge.net/projects/codeblocks/files/Binaries/20.03/Linux

Basic

You will got something like this

Create a folder and the extract in it



codeblocks-

20.03mingw

You will got something like this

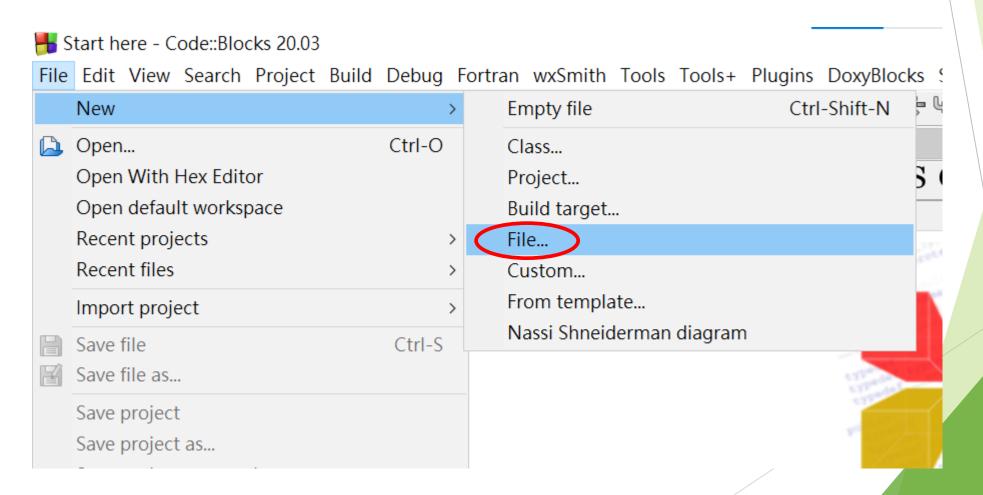
> codblocks >						
名稱	修改日期	類型	大小			
MinGW	2020/3/23 上午 02:22	檔案資料夾				
📜 share	2020/3/23 上午 02:22	檔案資料夾				
♣ Addr2LineUI.exe	2020/3/15 上午 01:56	應用程式	122 KB			
cb_console_runner.exe	2020/3/15 上午 01:56	應用程式	17 KB			
cb_share_config.exe	2020/3/15 上午 01:56	應用程式	191 KB			
🛂 CbLauncher.exe	2020/3/15 上午 01:56	應用程式	86 KB			
cbp2make.exe	2020/3/15 上午 01:56	應用程式	663 KB			
codeblocks.dll	2020/3/15 上午 01:56	應用程式擴充	8,204 KB			
🖐 codeblocks.exe	2020/3/15 上午 01:56	應用程式	2,095 KB			

Basic

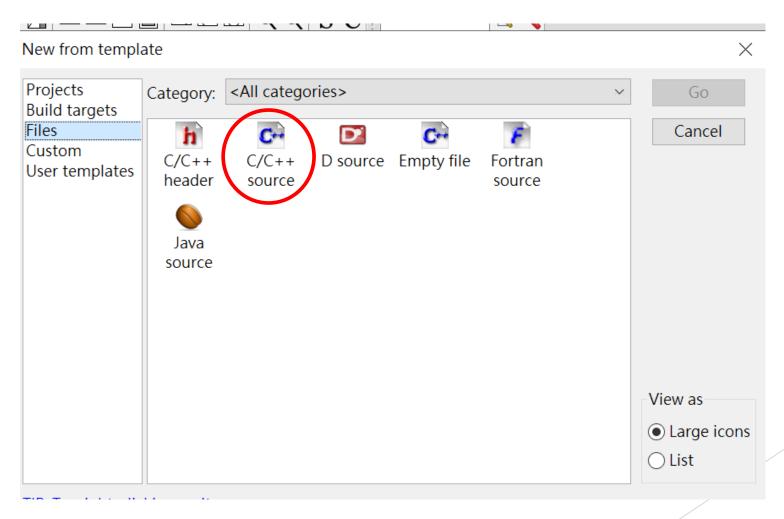
Make sure you have MinGW folder with your codeblocks

<pre>> codblocks ></pre>							
名稱	修改日期	類型	大小				
MinGW	2020/3/23 上午 02:22	檔案資料夾					
share	2020/3/23 上午 02:22	檔案資料夾					
🚹 Addr2LineUl.exe	2020/3/15 上午 01:56	應用程式	122 KB				
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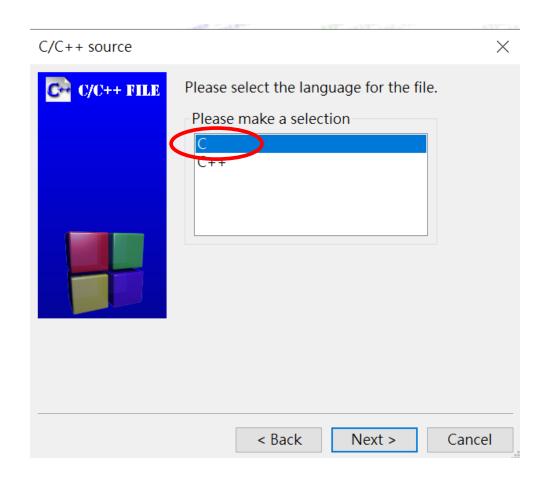
Our weekly practice you only need to create a common file, just click File...



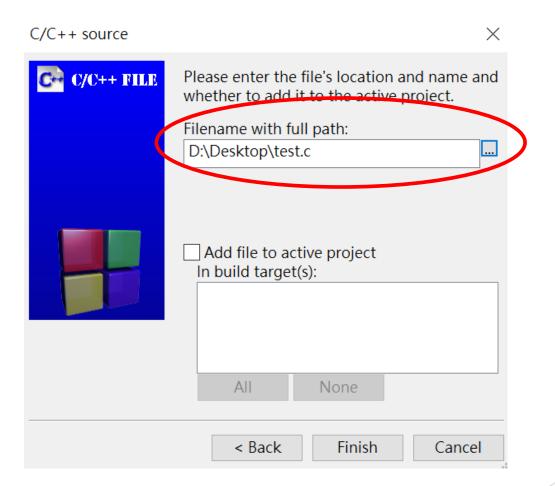
▶ It will show the interface below. Click C/C++ source



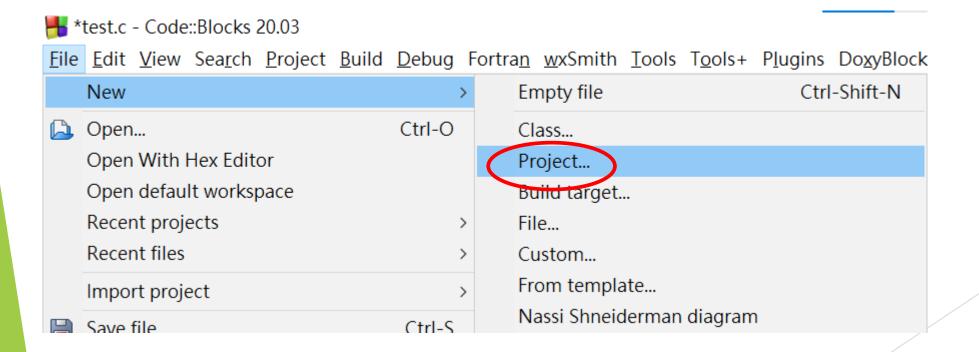
Click **Next** until you see the interface below, choose **C**



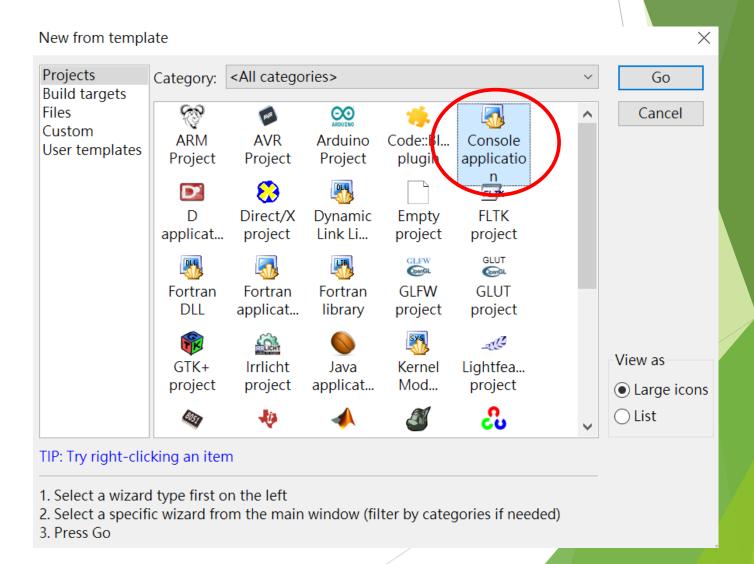
Give this file a name and the path you want to saved at then you create a C file!



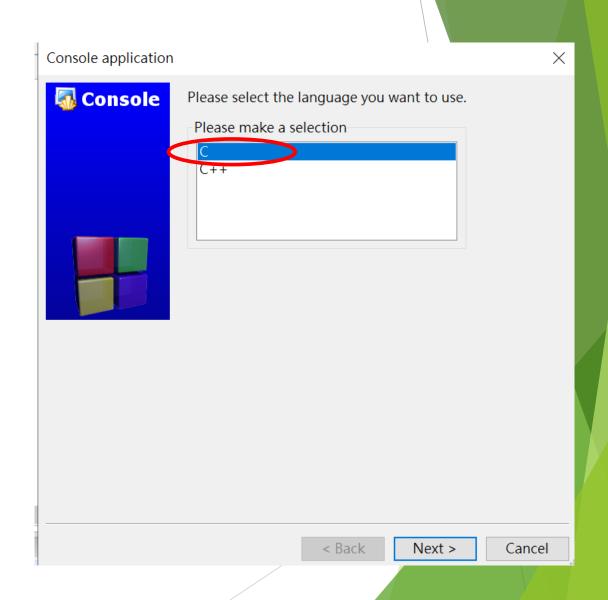
Click Project



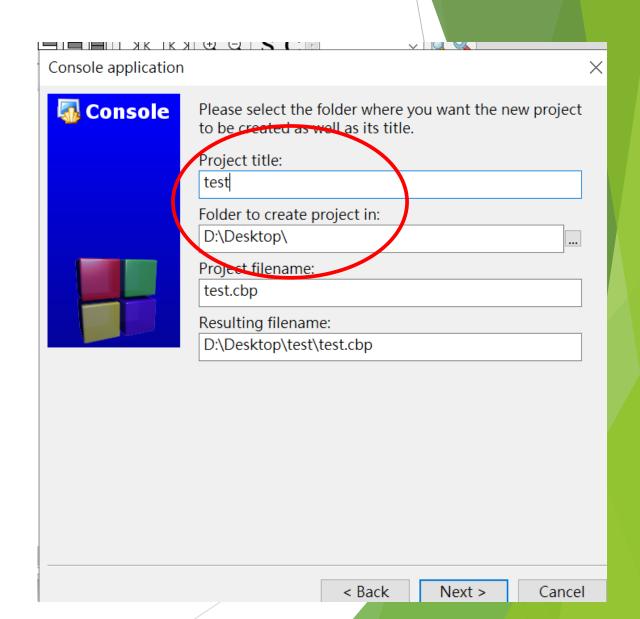
Click Console application



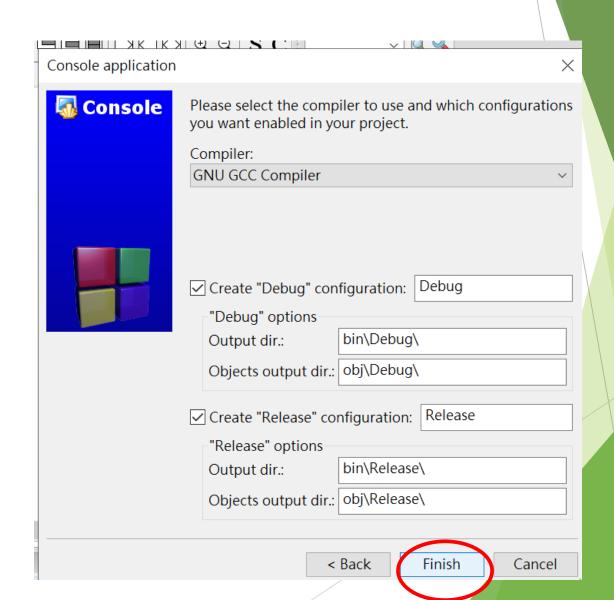
► Choose C



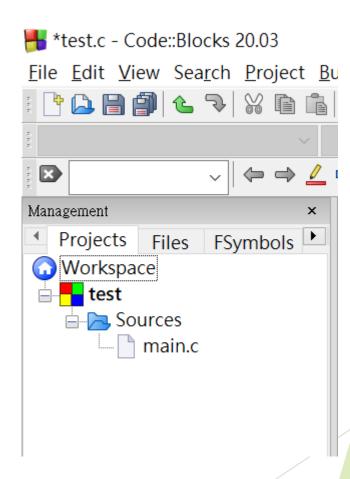
► Give it a name and choose the path



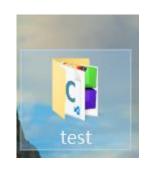
Just click finish



You will see something like this on your left



► You will get something like this at the place you save

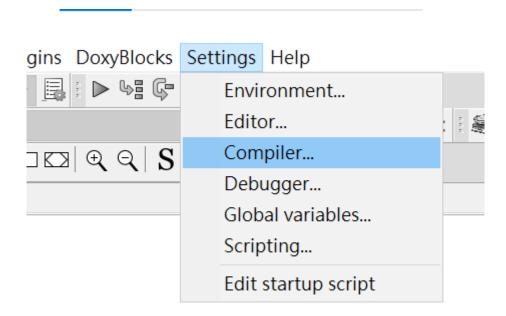


It contains a main.c and ***.cbp

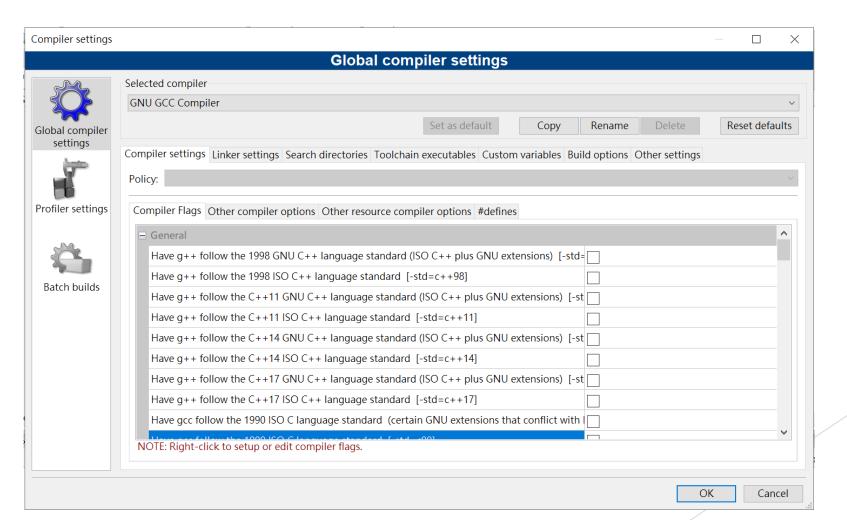


► You can click ***.cbp to open your project again

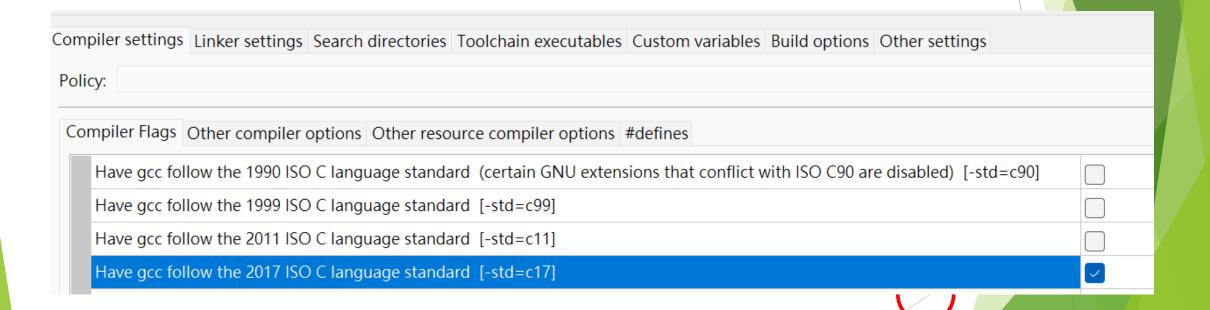
Let's check the Compiler



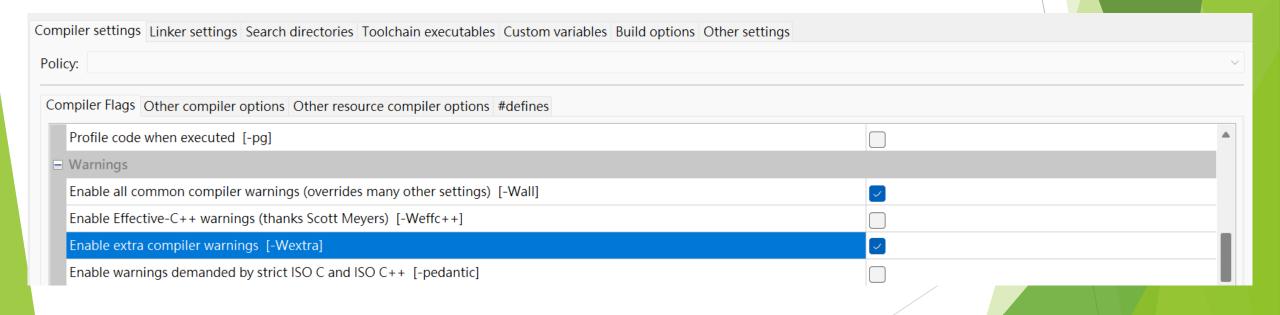
You will enter an interface like below



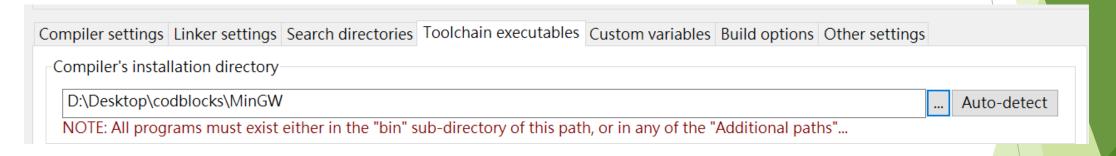
▶ Make sure you check the checkbox of c99 or c11 or c17



- ▶ Slide down the page, you will see the warning section
- Make sure you check the checkbox of -Wall and -Wextra

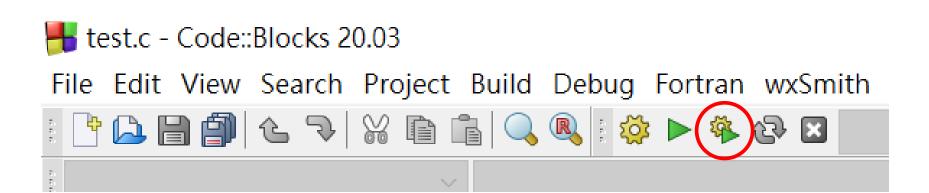


In Toolchain executables make sure the complier is the MinGW you download with you code blocks



Now you can build and run your code by click 🤏



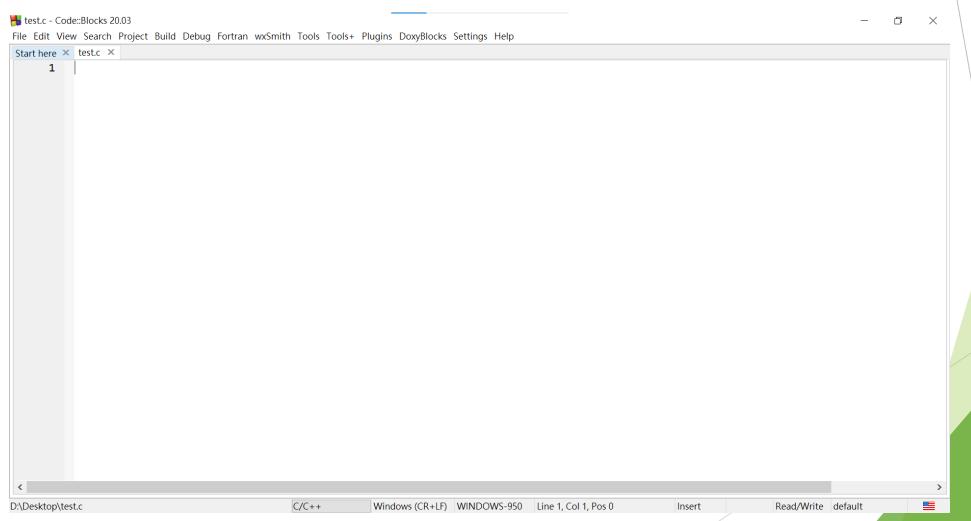


Common problem

- ► Tool Bar disappear
- Some other tool disappear
- In the management, project tag disappear
- Can't use Debugger
- Can't compile the right file
- Multiple main error

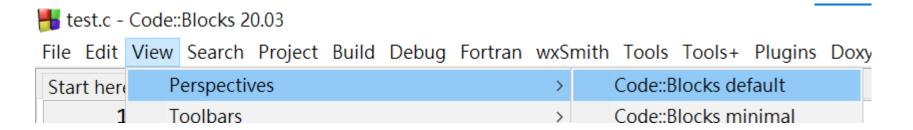
Tool Bar disappear

My tools bar disappear!!



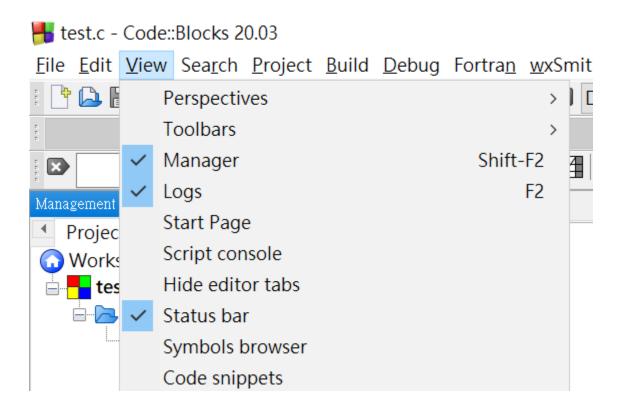
Tool Bar disappear

- Click View -> perspectives -> Code::Blocks default
- ▶ If it ask do you want to save, you can either click yes or no

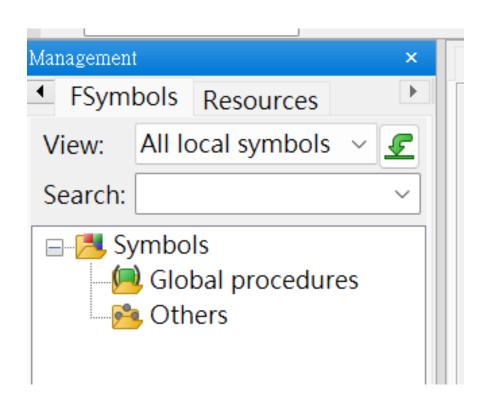


Some other tool disappear

If you can't find some other tools, check the **View** first

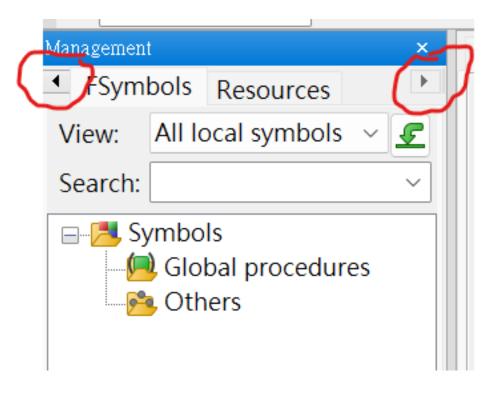


In the management, project tag disappear



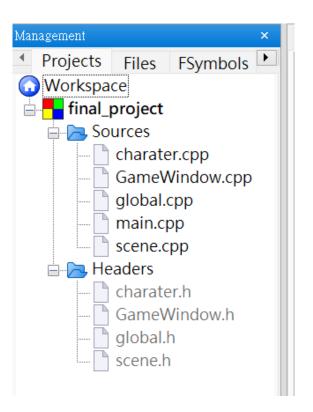
In the management, project tag disappear

Click these two arrow until you find the project tag



In the management, project tag disappear

► Find the project tag and click the project tag. You can find the interface like below

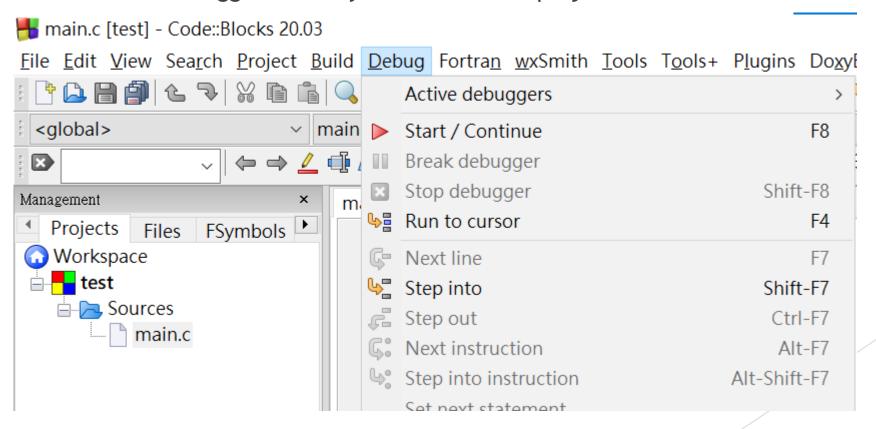


Can't use Debugger

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		Act	ive deb	uggers				>
		Sta	rt / Con	tinue				F8
1		Bre	ak debu	ıgger				
	×	Sto	p debug	gger			Shift	-F8
	4 :	Rur	n to cur	sor				F4
	G-	Ne	xt line					F7
	4	Ste	p into				Shift	-F7
	Ç.	Ste	p out				Ctrl	-F7
	G°	Next instruction					Alt	-F7
	40	Ste	p into ir	nstruction			Alt-Shift	-F7

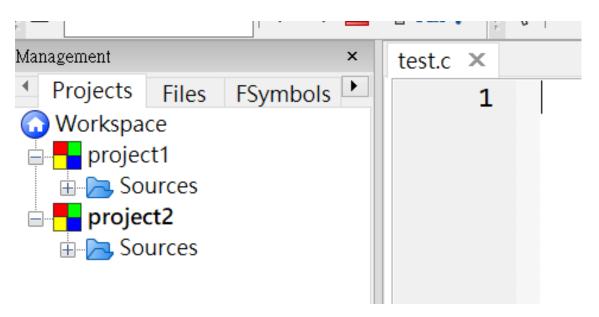
Can't use Debugger

▶ It's because debugger can only be activated in project



Can't compile the right file

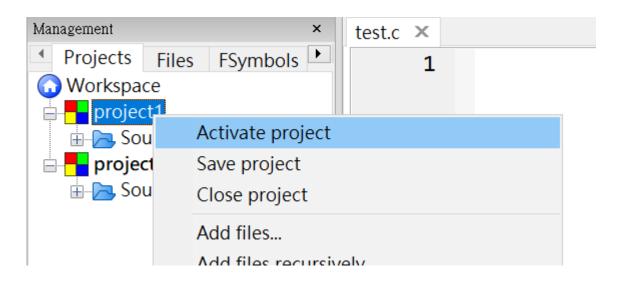
▶ It may occur when you open your project and some other files simultaneously



This picture shows 2 project and 1 file test.c(each project has a file main.c!!)

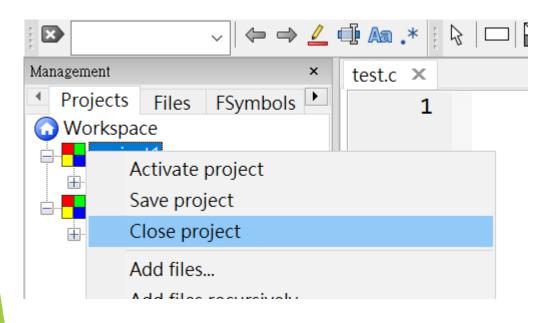
Can't compile the right file

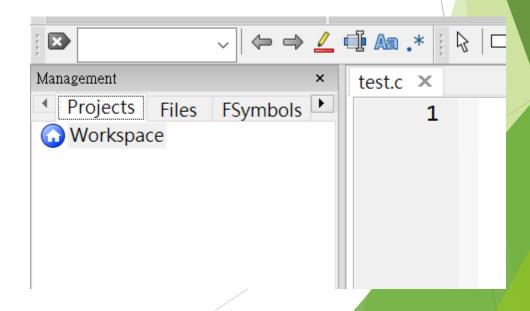
If you want to compile **project1** right click and activate it



Can't compile the right file

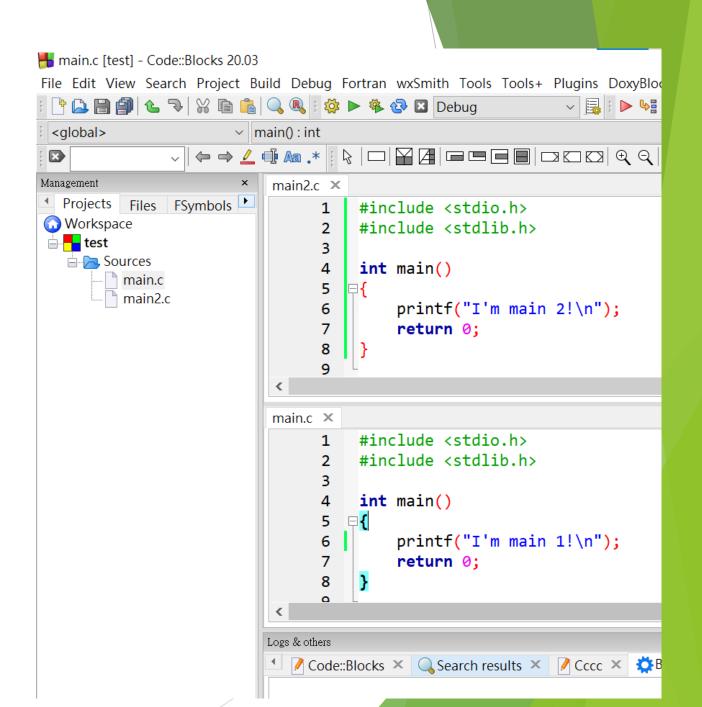
- ▶ If you want to compile the **test.c** file, close all project
- Make sure the Management -> Projects is clear





Multiple main error

If you have two files in project and both files have main function



Multiple main error

A project can only have ONE main function

multiple definition of `main'