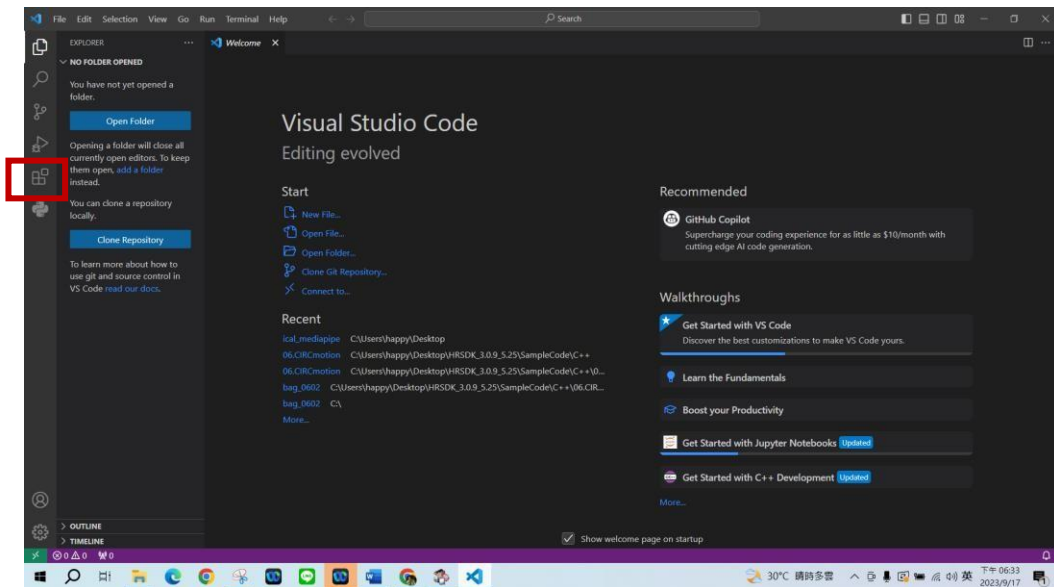
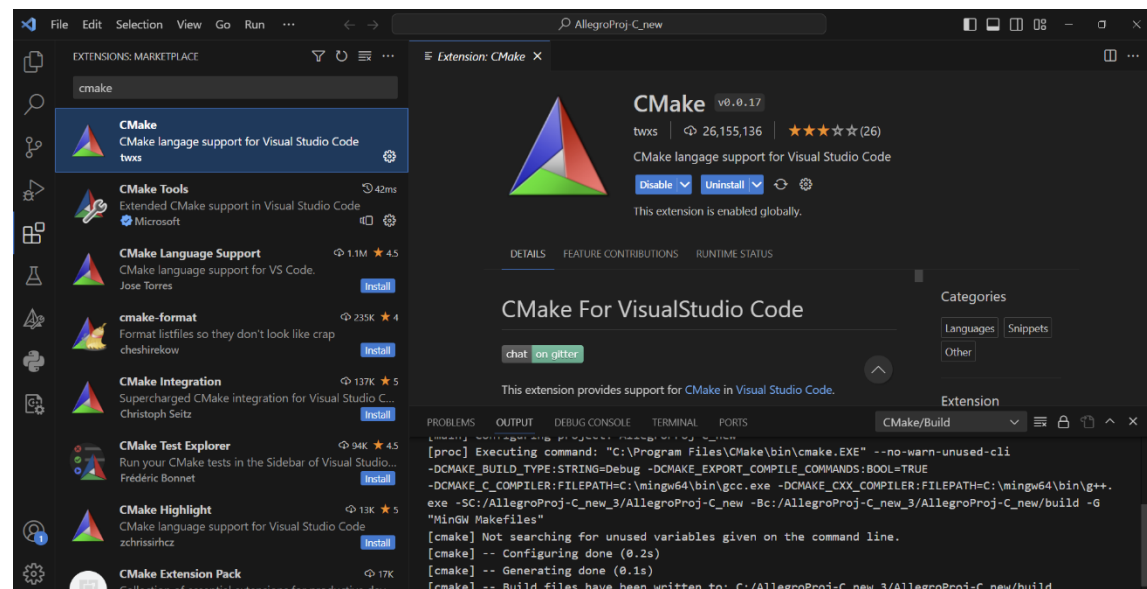


# 1120 Allegro VSCode 環境安裝

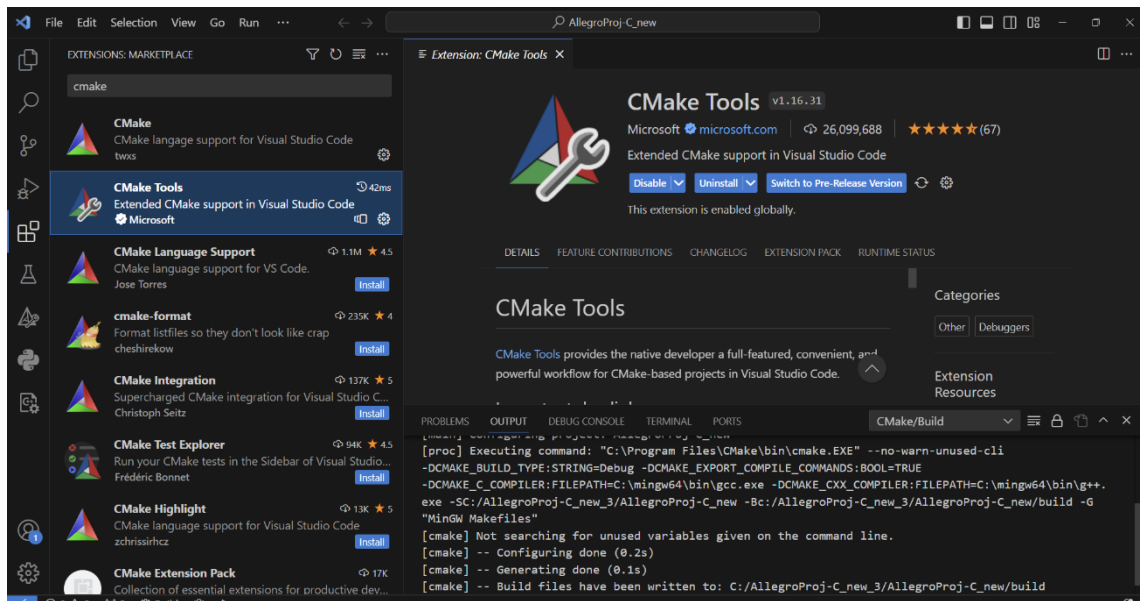
## ■ 開啟 Visual Studio Code 進入 Extension



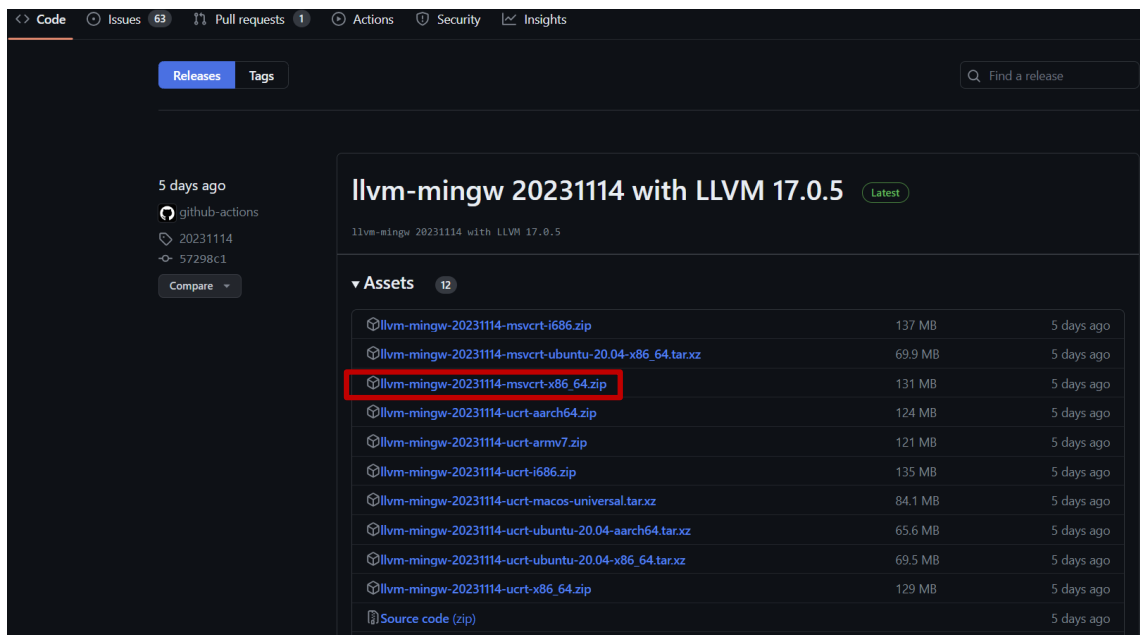
## ■ 安裝 CMake(自行參閱CMake詳細教學)



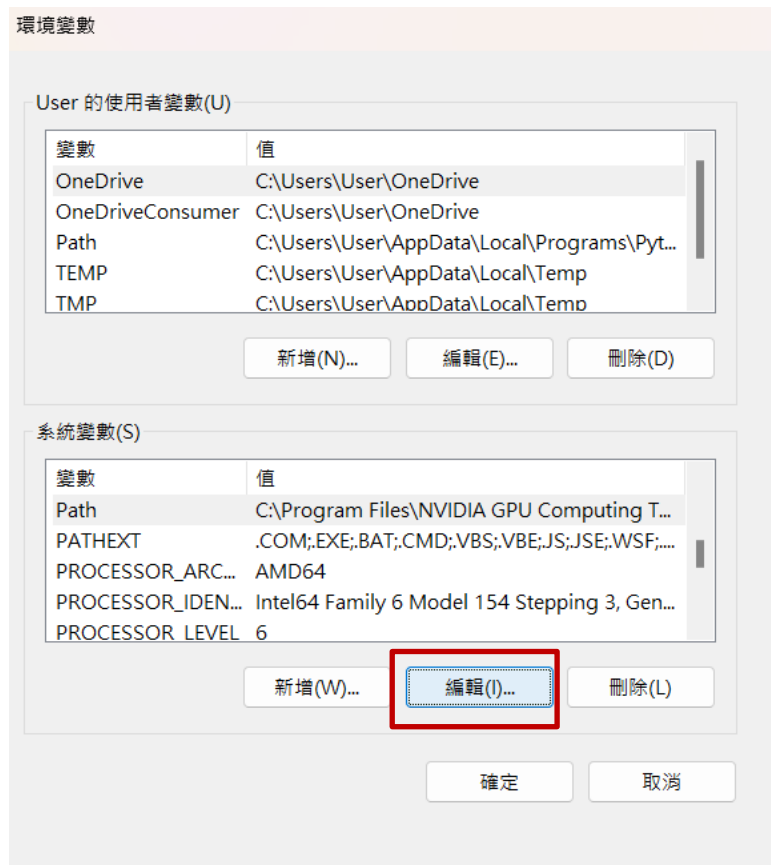
## ■ 安裝 CMake Tools



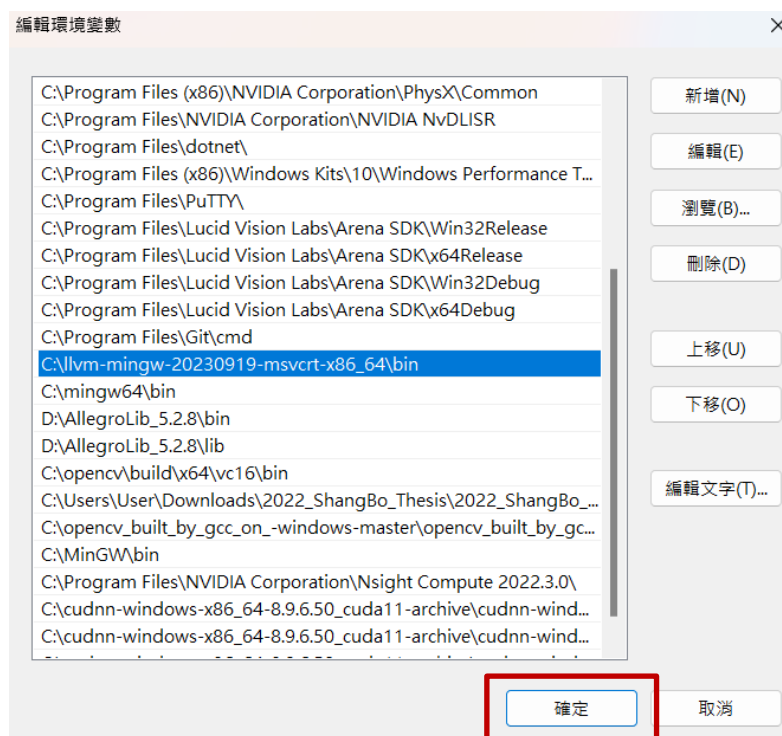
## ■ 安裝 MinGW 64



- 選系統變數下的Path，按下編輯



- 新增路徑C:\llvm-mingw-20230919-msvcrt-x86\_64\bin，完成後點選確定



## ■ [安裝Cmake](#)

← → ↻ [cmake.org/download/](#)

The release was packaged with CPack which is included as part of the release. The .sh files are self extracting gzipped tar files. To install a .sh file, run it with /bin/sh and follow the directions. The OS-machine.tar.gz files are gzipped tar files of the install tree. The OS-machine.tar.Z files are compressed tar files of the install tree. The tar file distributions can be untared in any directory. They are prefixed by the version of CMake. For example, the linux-x86\_64 tar file is all under the directory cmake-linux-x86\_64. This prefix can be removed as long as the share, bin, man and doc directories are moved relative to each other. To build the source distributions, unpack them with zip or tar and follow the instructions in README.rst at the top of the source tree. See also the [CMake 3.28 Release Notes](#).

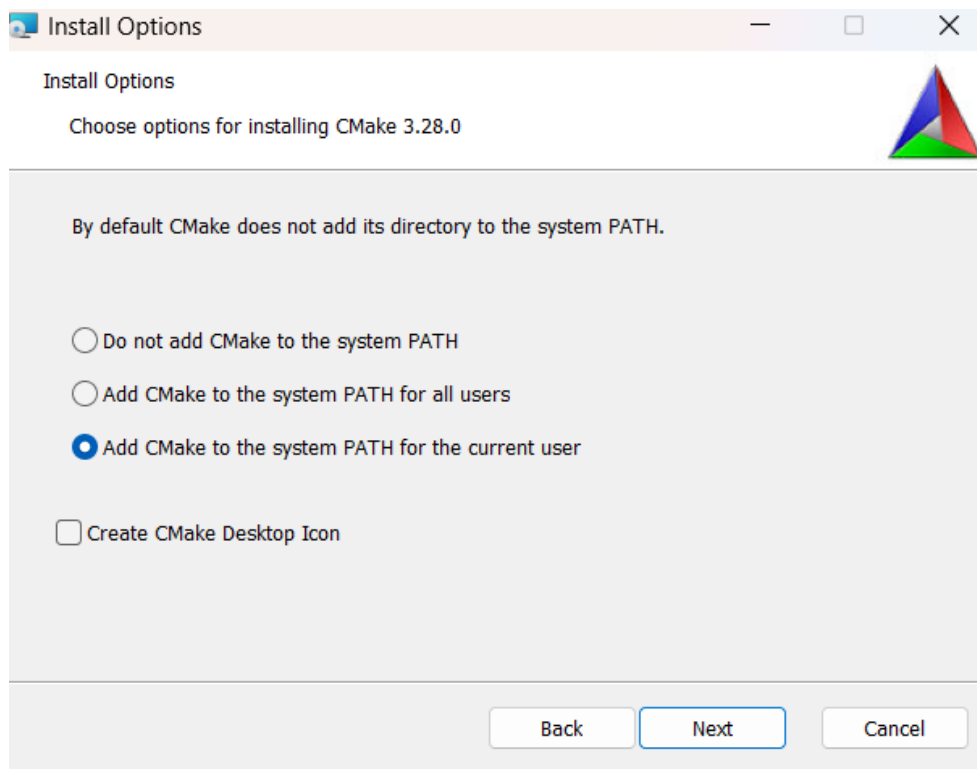
Source distributions:

Platform	Files
Unix/Linux Source (has \n line feeds)	<a href="#">cmake-3.28.0-rc5.tar.gz</a>
Windows Source (has \r\n line feeds)	<a href="#">cmake-3.28.0-rc5.zip</a>

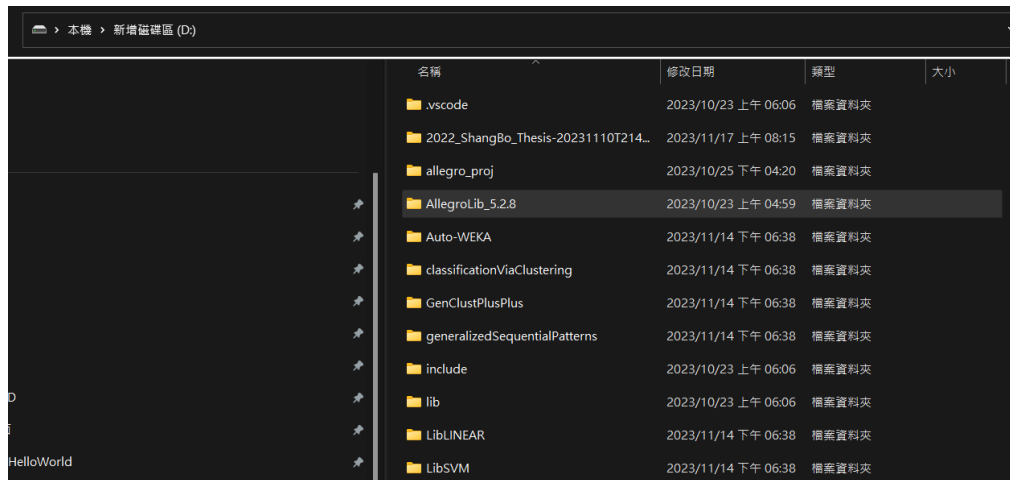
Binary distributions:

Platform	Files
Windows x64 Installer:	<a href="#">cmake-3.28.0-rc5-windows-x86_64.msi</a>
Windows x64 ZIP	<a href="#">cmake-3.28.0-rc5-windows-x86_64.zip</a>
Windows i386 Installer:	<a href="#">cmake-3.28.0-rc5-windows-i386.msi</a>
Windows i386 ZIP	<a href="#">cmake-3.28.0-rc5-windows-i386.zip</a>
Windows ARM64 Installer:	<a href="#">cmake-3.28.0-rc5-windows-arm64.msi</a>

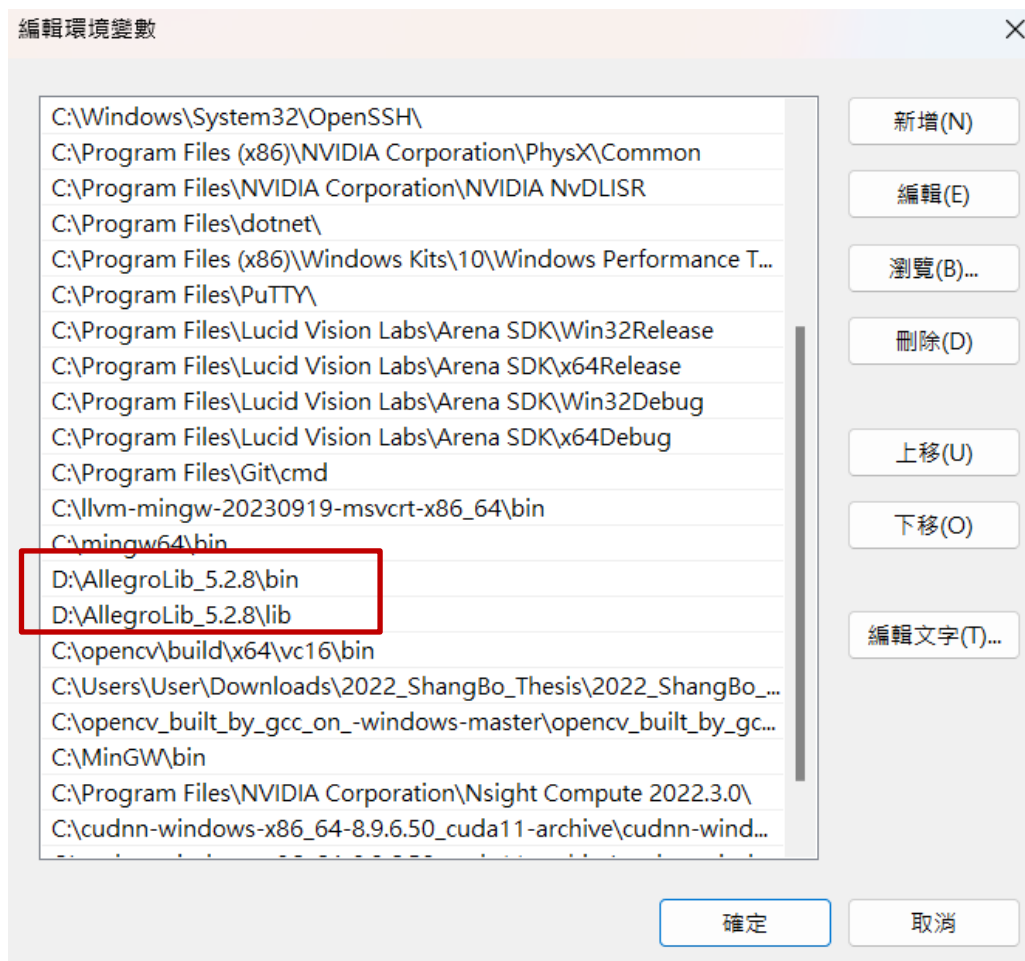
## ■ 選擇 Add to current user 並點擊 Next 直至完成



- 安裝 AllegroLib\_5.2.8 至 D:\AllegroLib\_5.2.8



- 新增路徑 D:\AllegroLib\_5.2.8\bin 和 D:\AllegroLib\_5.2.8\lib，完成後點選確定



- 打開CMakeLists，可自行更改其專案名稱(須兩個同樣名稱)

```
# 查找 Allegro 5 庫文件
find_library(ALLEGRO_LIBRARY allegro PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_PRIMITIVES_LIBRARY allegro_primitives PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_IMAGE_LIBRARY allegro_image PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_AUDIO_LIBRARY allegro_audio PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_ACODEC_LIBRARY allegro_acodec PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_FONT_LIBRARY allegro_font PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_TTF_LIBRARY allegro_ttf PATHS ${ALLEGRO_DIR}/lib)
find_library(ALLEGRO_DIALOG_LIBRARY allegro_dialog PATHS ${ALLEGRO_DIR}/lib)
# 如果您還需要其他 Allegro 相關庫，請在這裡添加。

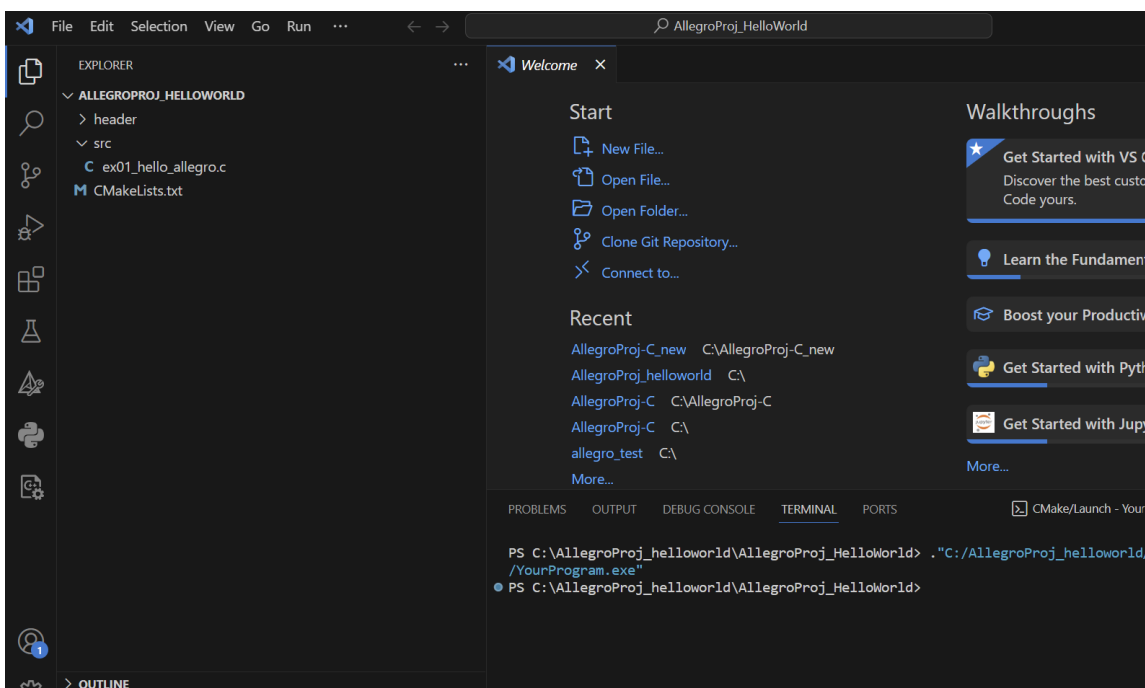
# 搜索所有源文件
file(GLOB SOURCE_FILES "src/*.c") # 指向新的 src 目錄

# 設置可執行文件輸出目錄
set(EXECUTABLE_OUTPUT_PATH ${CMAKE_CURRENT_SOURCE_DIR}) # 可以选择一个新的输出目录，例如 bin

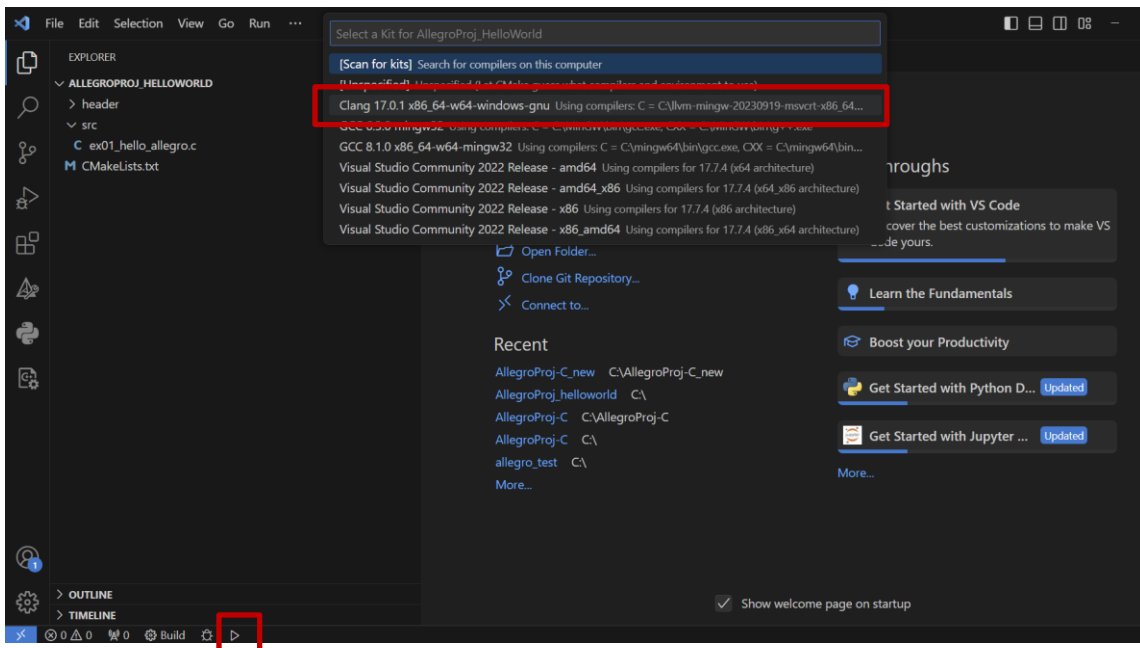
# 添加你的源文件
add_executable(YourProgram ${SOURCE_FILES})

# 鏈結 Allegro 5 庫
target_link_libraries(YourProgram
    ${ALLEGRO_LIBRARY}
    ${ALLEGRO_PRIMITIVES_LIBRARY}
    ${ALLEGRO_IMAGE_LIBRARY}
    ${ALLEGRO_AUDIO_LIBRARY}
    ${ALLEGRO_ACODEC_LIBRARY}
    ${ALLEGRO_FONT_LIBRARY}
    ${ALLEGRO_TTF_LIBRARY}
    ${ALLEGRO_DIALOG_LIBRARY})
```

- 打開AllegroProj\_HelloWorld專案資料夾，其中包含header、src 和 CMakeList.txt



- 點選底下三角形圖示(Cmake Tools)，選擇64位元編譯器 Clang 17.0.1



- 生成 build 資料夾與對應的 makefile 項目，並生成YourProgramme.exe，顯示Hello Allegro視窗

