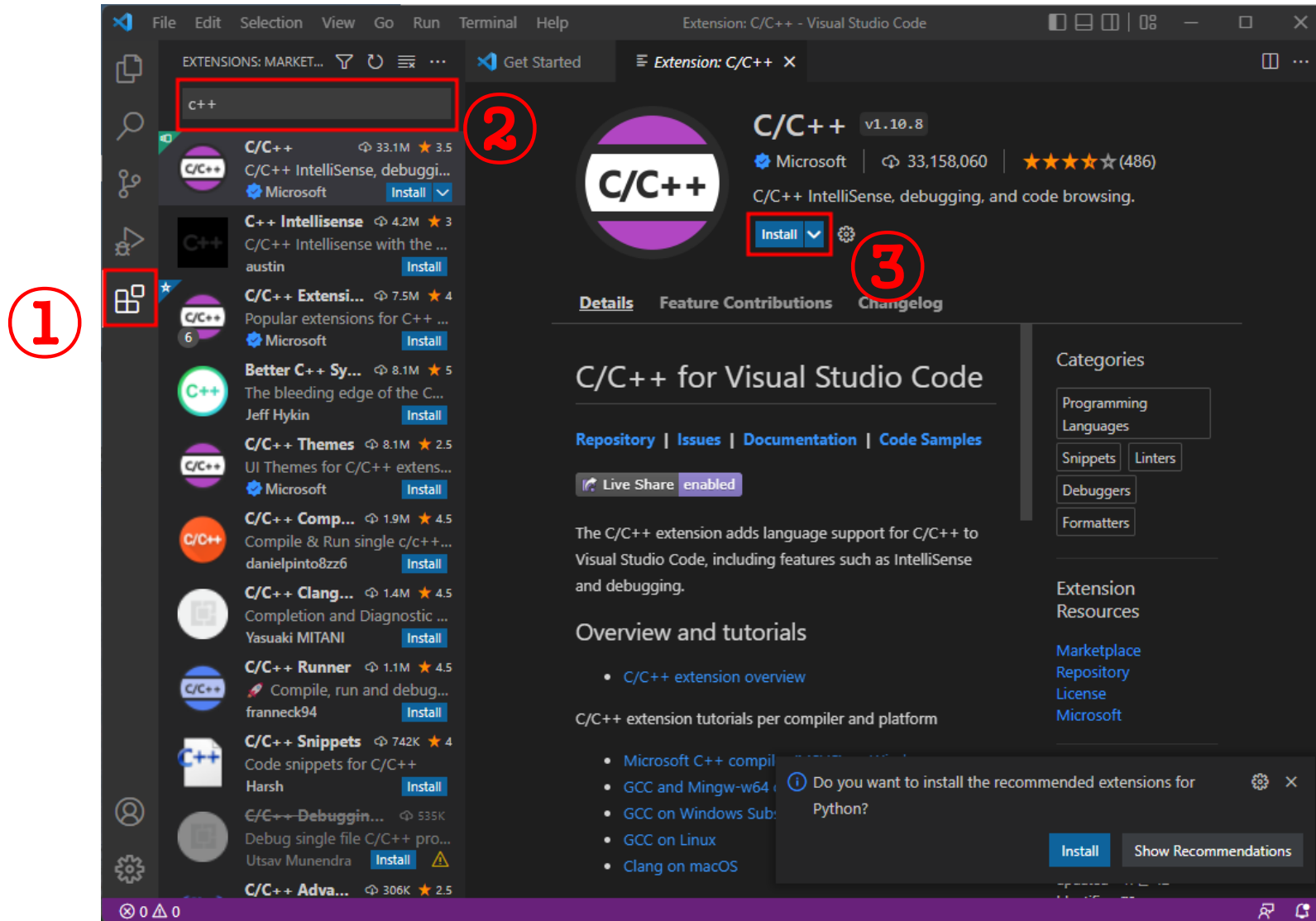


윈도우 VSCode C언어 환경 맞추기

1. VSCode 설치하기

윈도우 VSCode C언어 환경 맞추기

2. VSCode Extension 중 “C/C++” 설치하기



윈도우 VSCode C언어 환경 맞추기

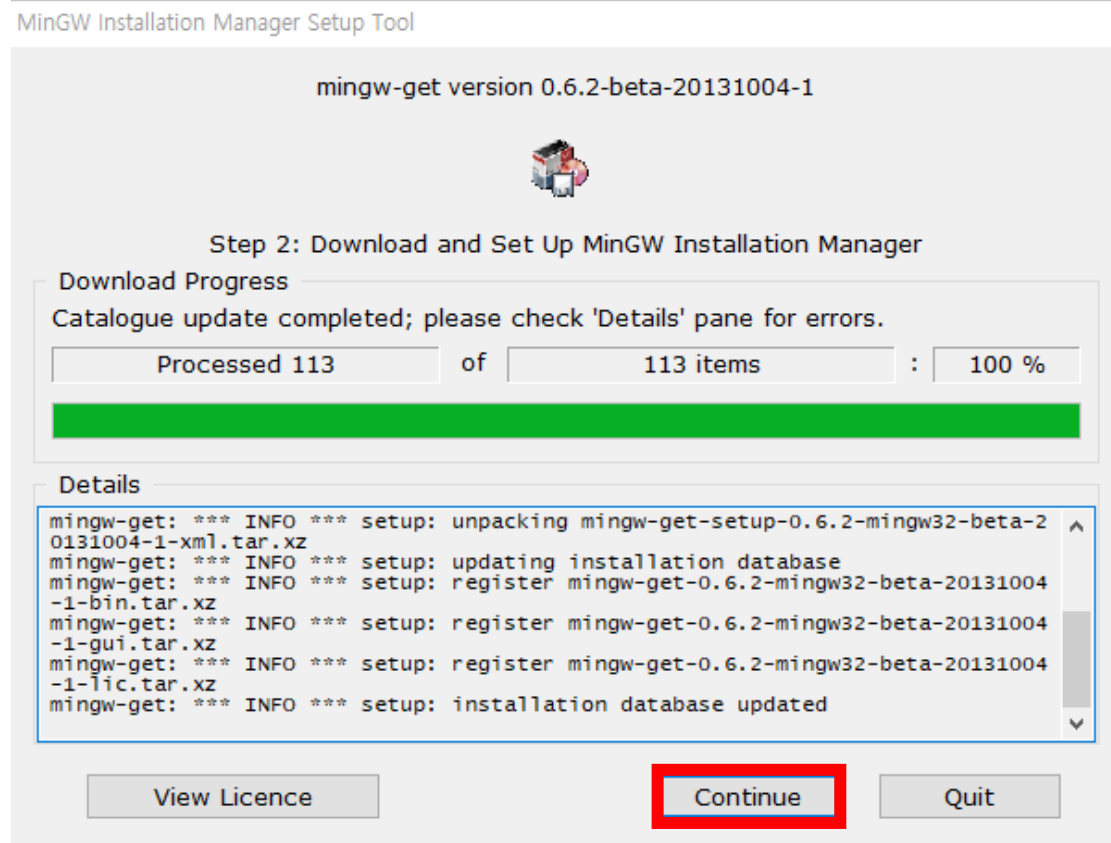
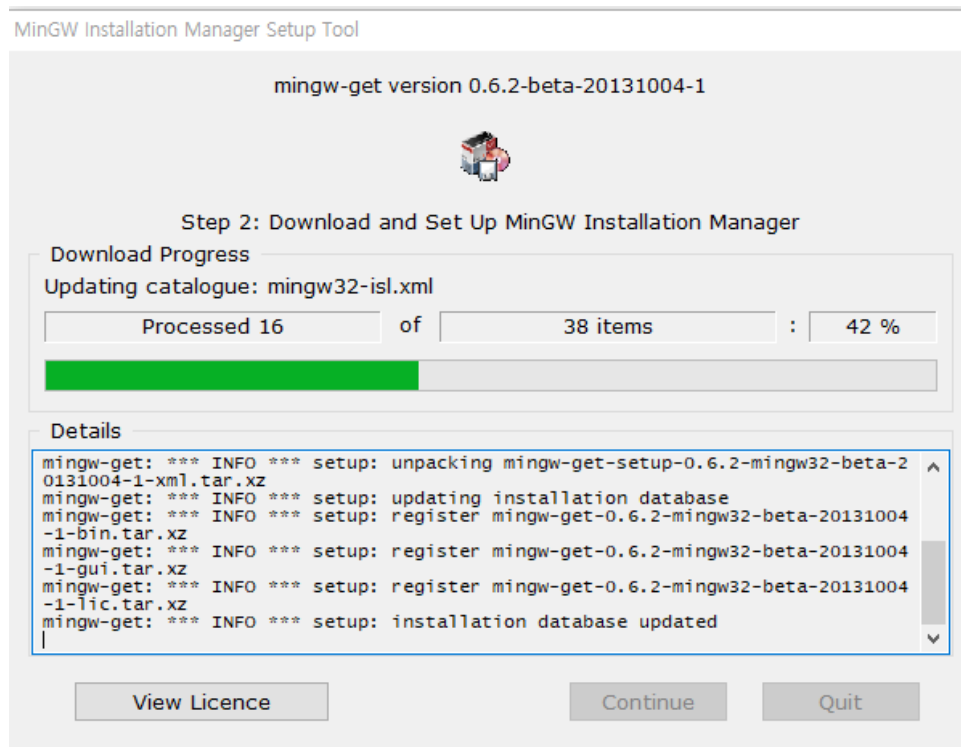
3. MinGW 설치 (VSCode는 Compiler를 제공하지 않는다.)



<https://sourceforge.net/projects/mingw/>

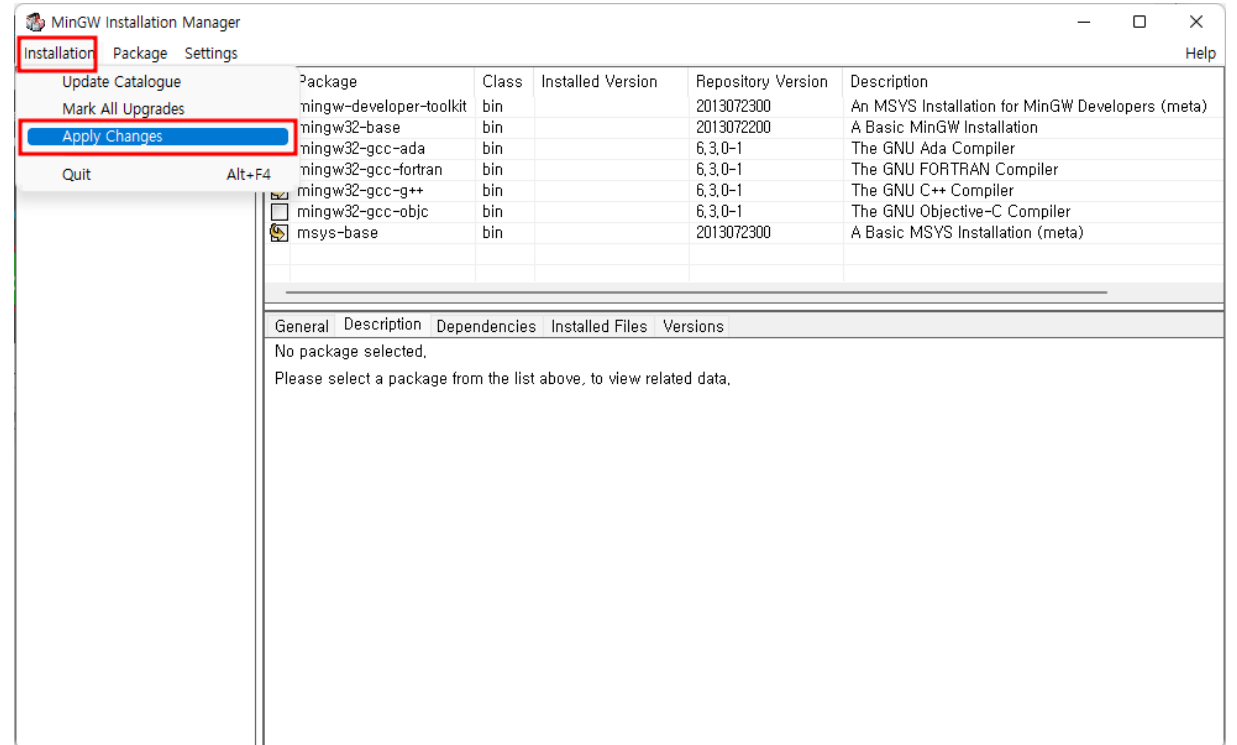
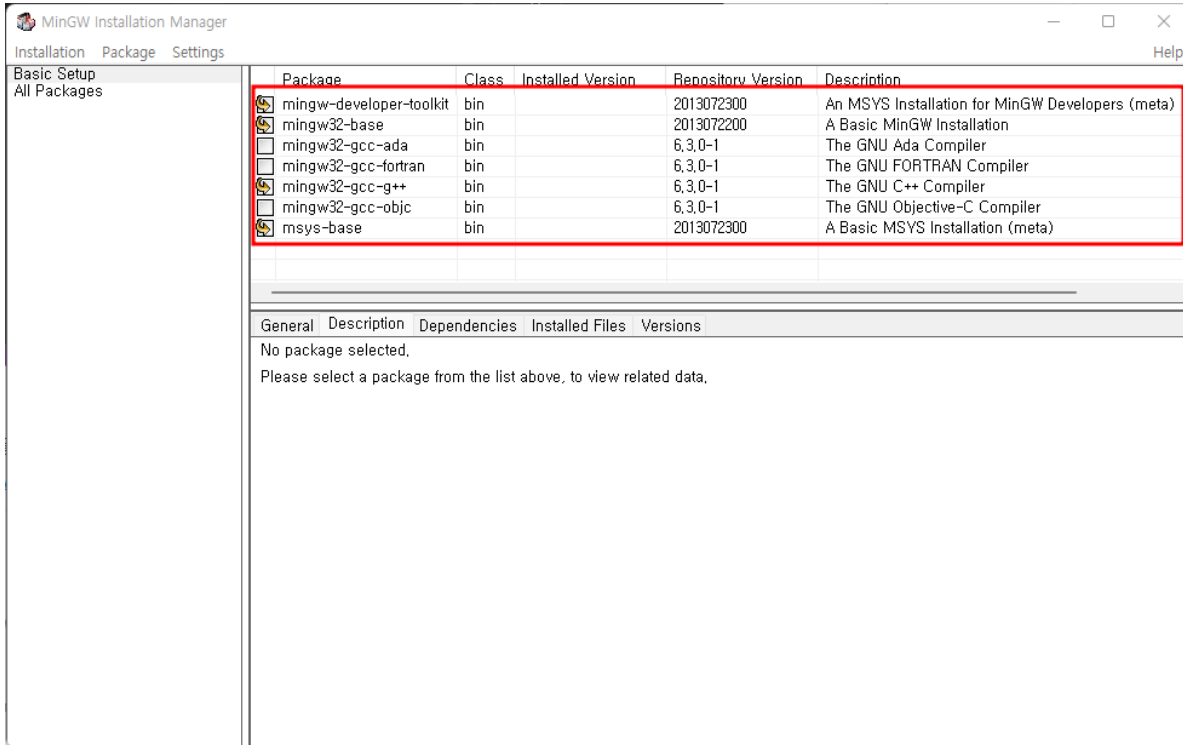
윈도우 VSCode C언어 환경 맞추기

3. MinGW 설치



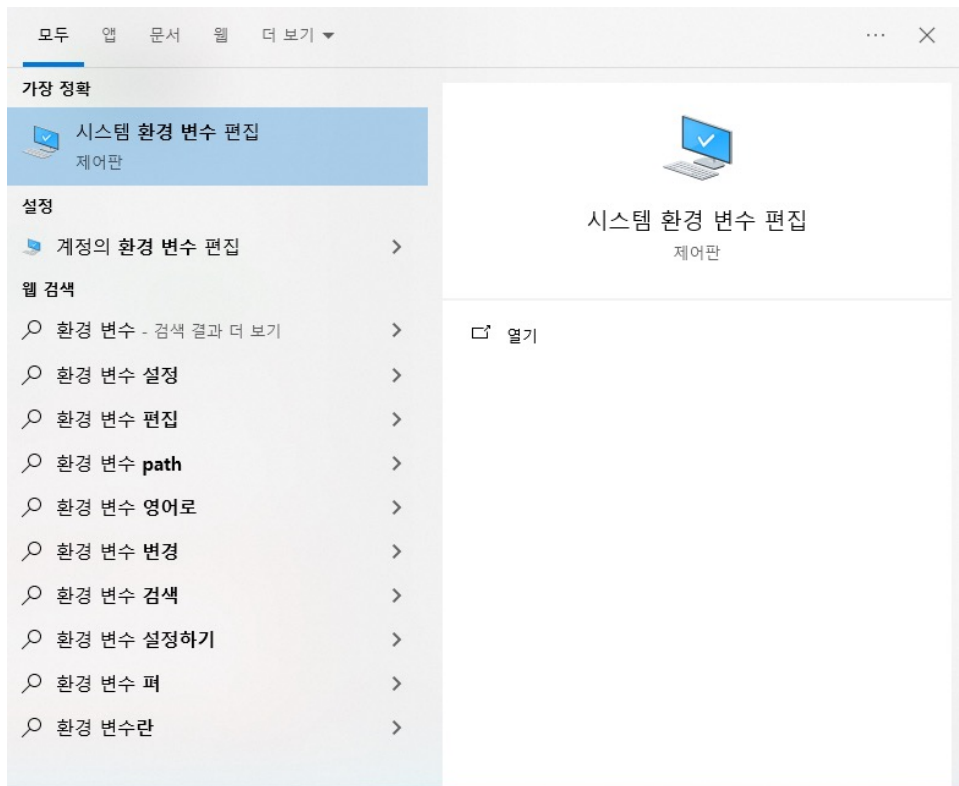
윈도우 VSCode C언어 환경 맞추기

3. MinGW 설치 - 시간이 좀 걸립니다!



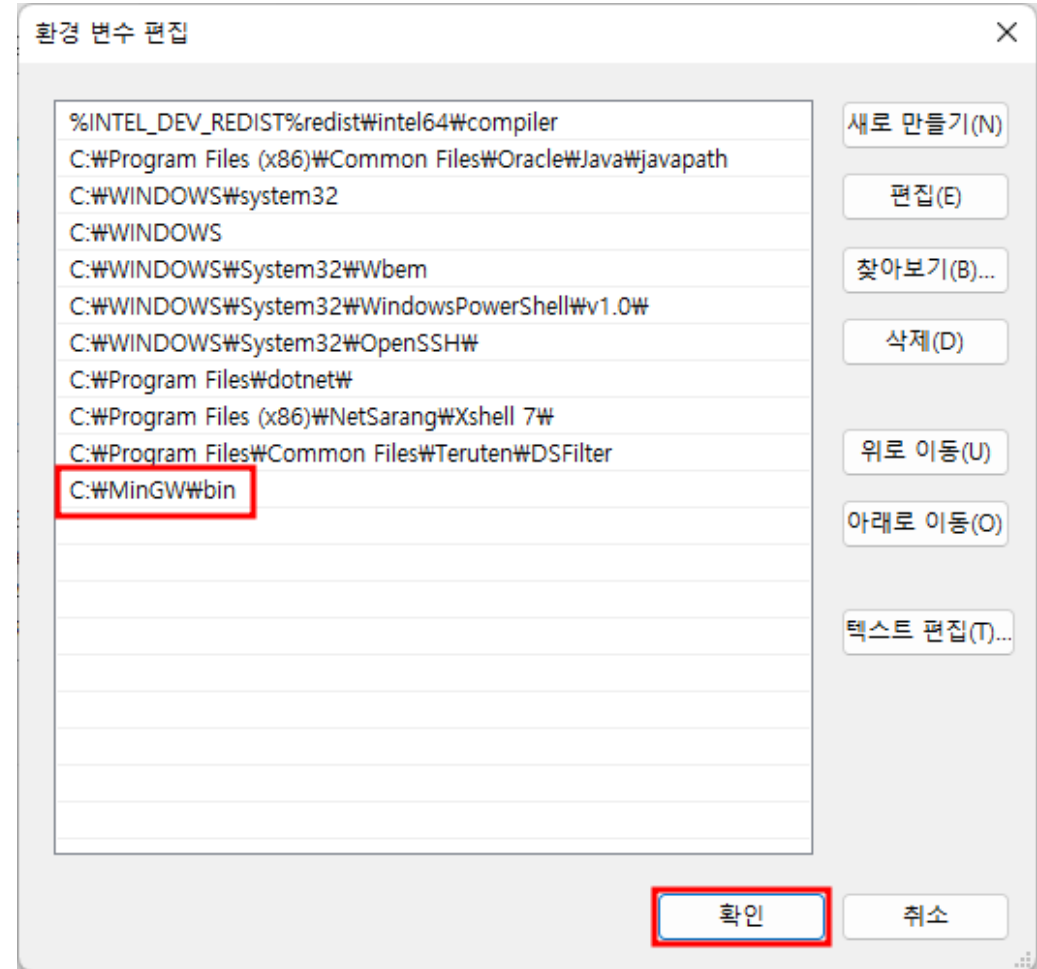
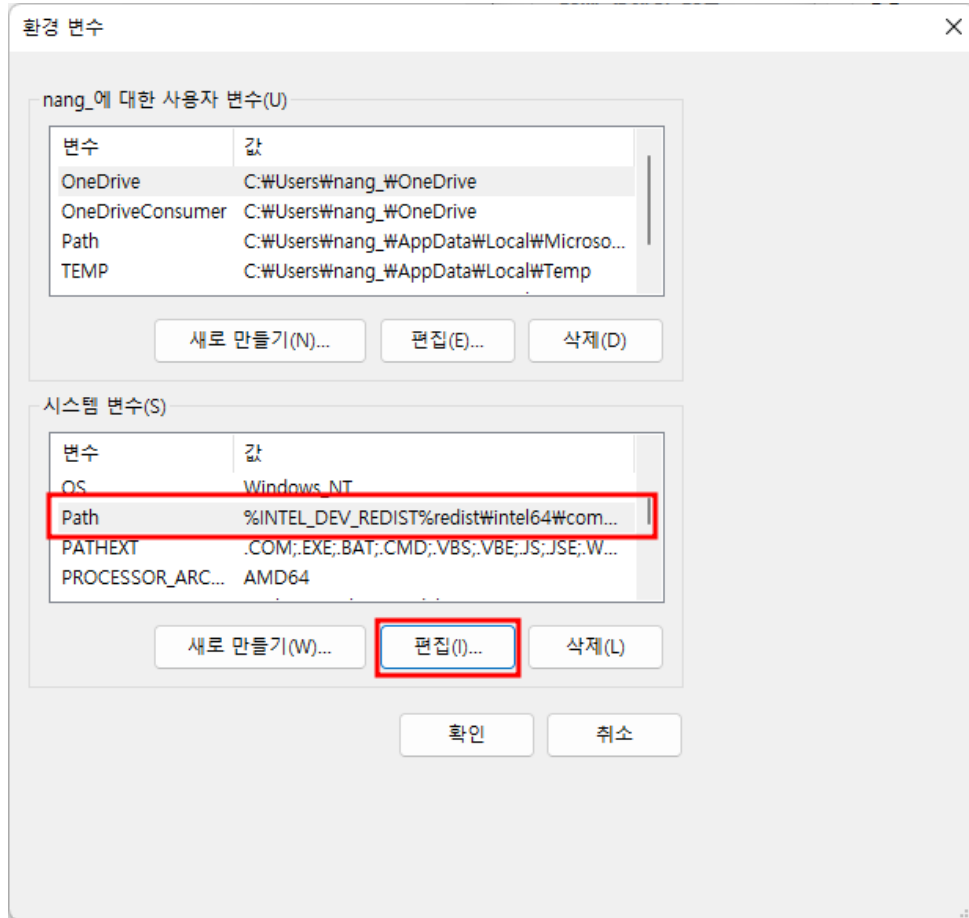
윈도우 VSCode C언어 환경 맞추기

4. 환경변수 추가



윈도우 VSCode C언어 환경 맞추기

4. 환경변수 추가 - 시스템 변수의 Path 추가



4. 환경변수 추가 - 잘 추가됐는지 확인

The image is a composite of two screenshots. The left screenshot shows the Windows Start menu search results for '명령 프롬프트' (Command Prompt). The search results are categorized into '가장 정확' (Most accurate), '웹 검색' (Web search), and '앱' (Apps). Under '가장 정확', '명령 프롬프트 시스템' (Command Prompt System) is listed. Under '웹 검색', several search results for 'cmd' are shown, including 'cmd 관리자 권한' (cmd administrator privileges), 'cmd ipconfig', 'cmd 명령어' (cmd commands), 'cmd 관리자 권한 실행' (cmd administrator privileges execution), 'cmd', 'cmd 정품인증' (cmd genuine activation), 'cmd', and 'cmd'. Under '앱', 'Anaconda Prompt' is listed. The right screenshot shows a Windows Command Prompt window. The title bar reads '명령 프롬프트 시스템'. The command prompt shows the path 'C:\WINDOWS\system32\cmd.exe' and the command 'gcc -v'. The output shows the GCC version 'gcc version 6.3.0 (MinGW)'.

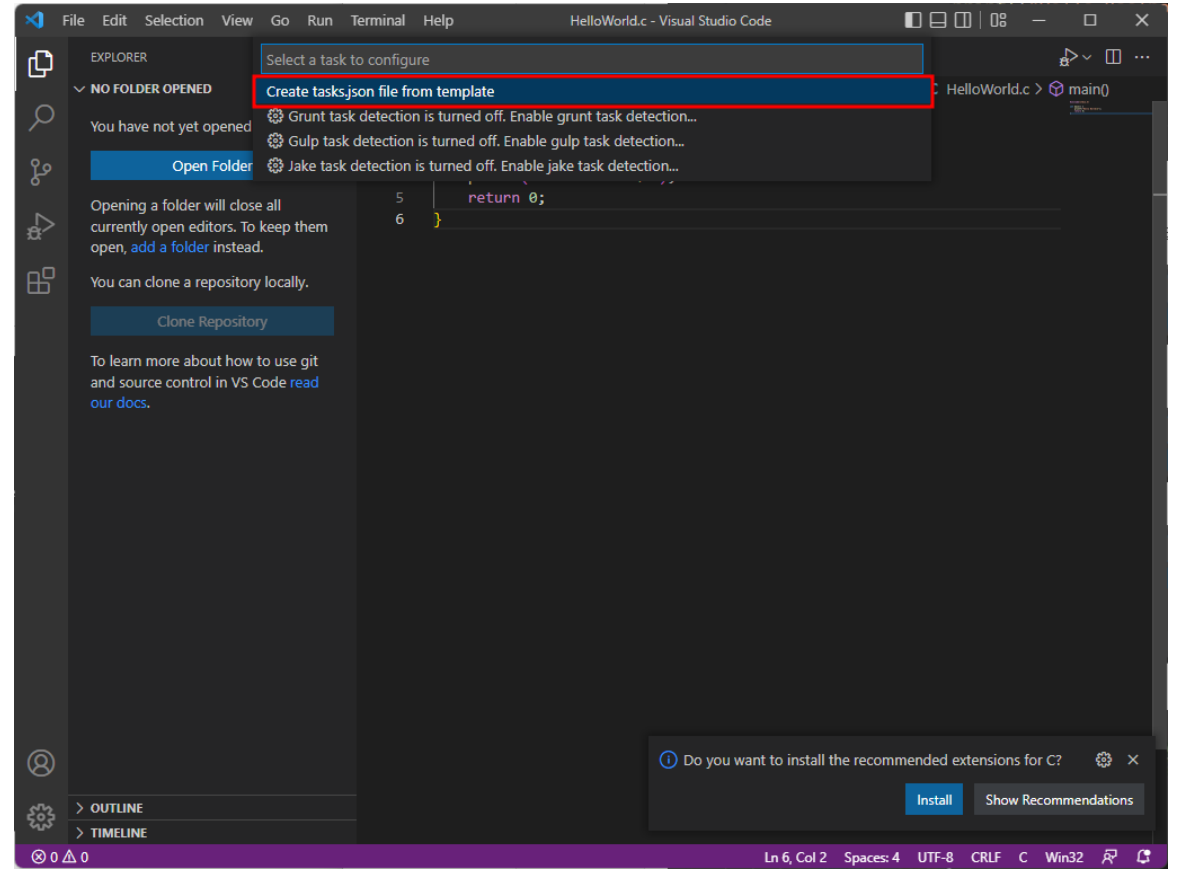
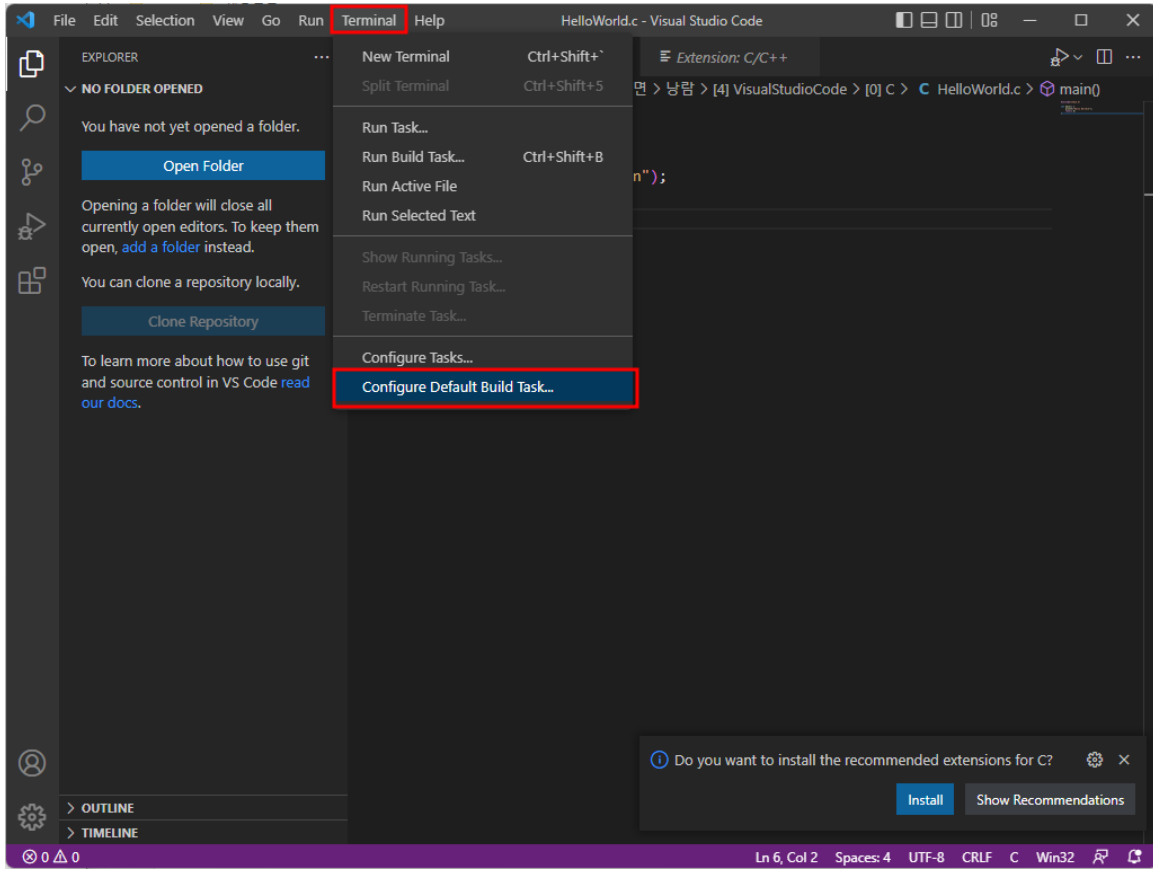
```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.739]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Wnang_>gcc -v
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=c:/mingw/bin/./libexec/gcc/mingw32/6.3.0/lto-wrapper.exe
Target: mingw32
Configured with: ../src/gcc-6.3.0/configure --build=x86_64-pc-linux-gnu --host=mingw32 --target=mingw32 --with-gmp=/mingw
--with-mpfr --with-mpc=/mingw --with-isl=/mingw --prefix=/mingw --disable-win32-registry --with-arch=i586 --with-tune=
generic --enable-languages=c,c++,objc,obj-c++,fortran,ada --with-pkgversion='MinGW.org GCC-6.3.0-1' --enable-static --en
able-shared --enable-threads --with-dwarf2 --disable-sjlj-exceptions --enable-version-specific-runtime-libs --with-libic
onv-prefix=/mingw --with-libintl-prefix=/mingw --enable-libstdcxx-debug --enable-libgomp --disable-libvtv --enable-nls
Thread model: win32
gcc version 6.3.0 (MinGW.org GCC-6.3.0-1)

C:\Users\Wnang_>
```

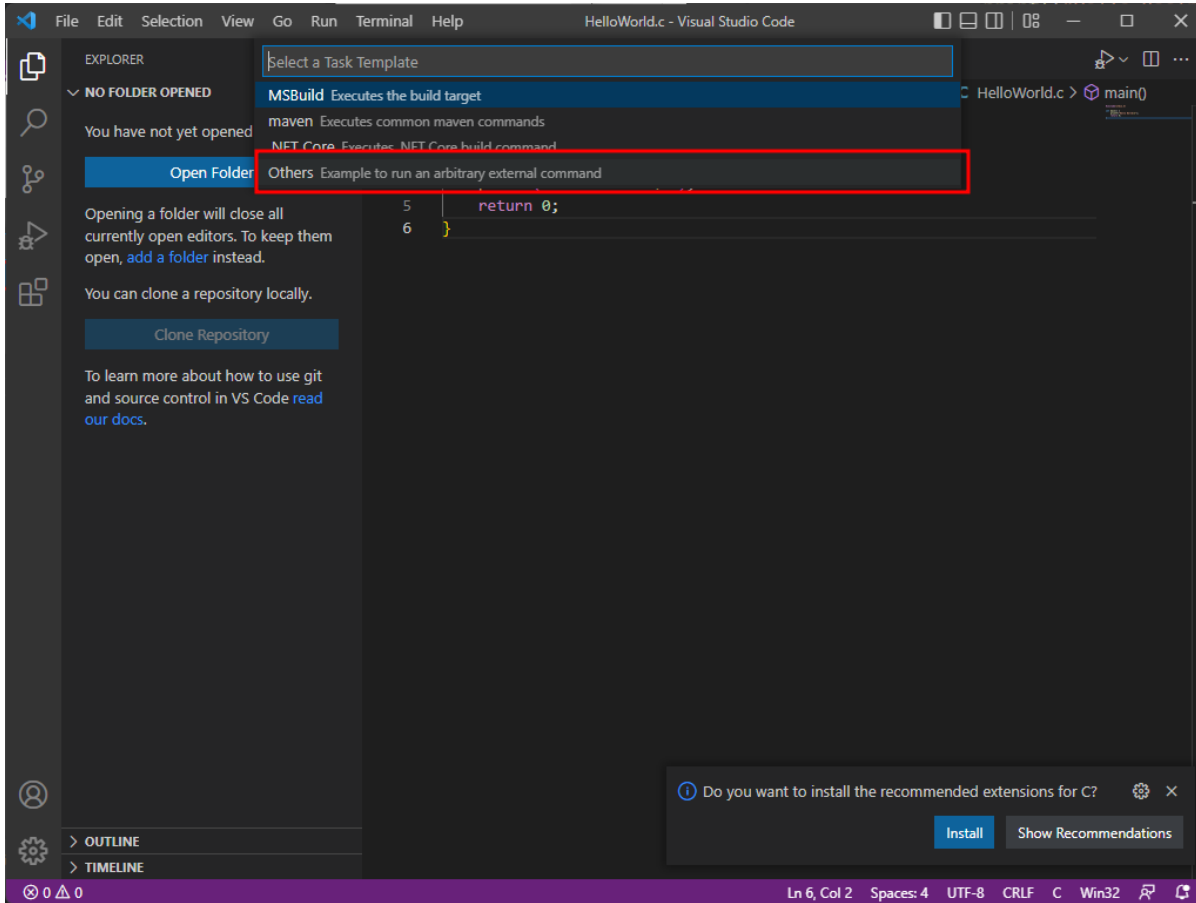

윈도우 VSCode C언어 환경 맞추기

5. VSCode 추가작업



윈도우 VSCode C언어 환경 맞추기

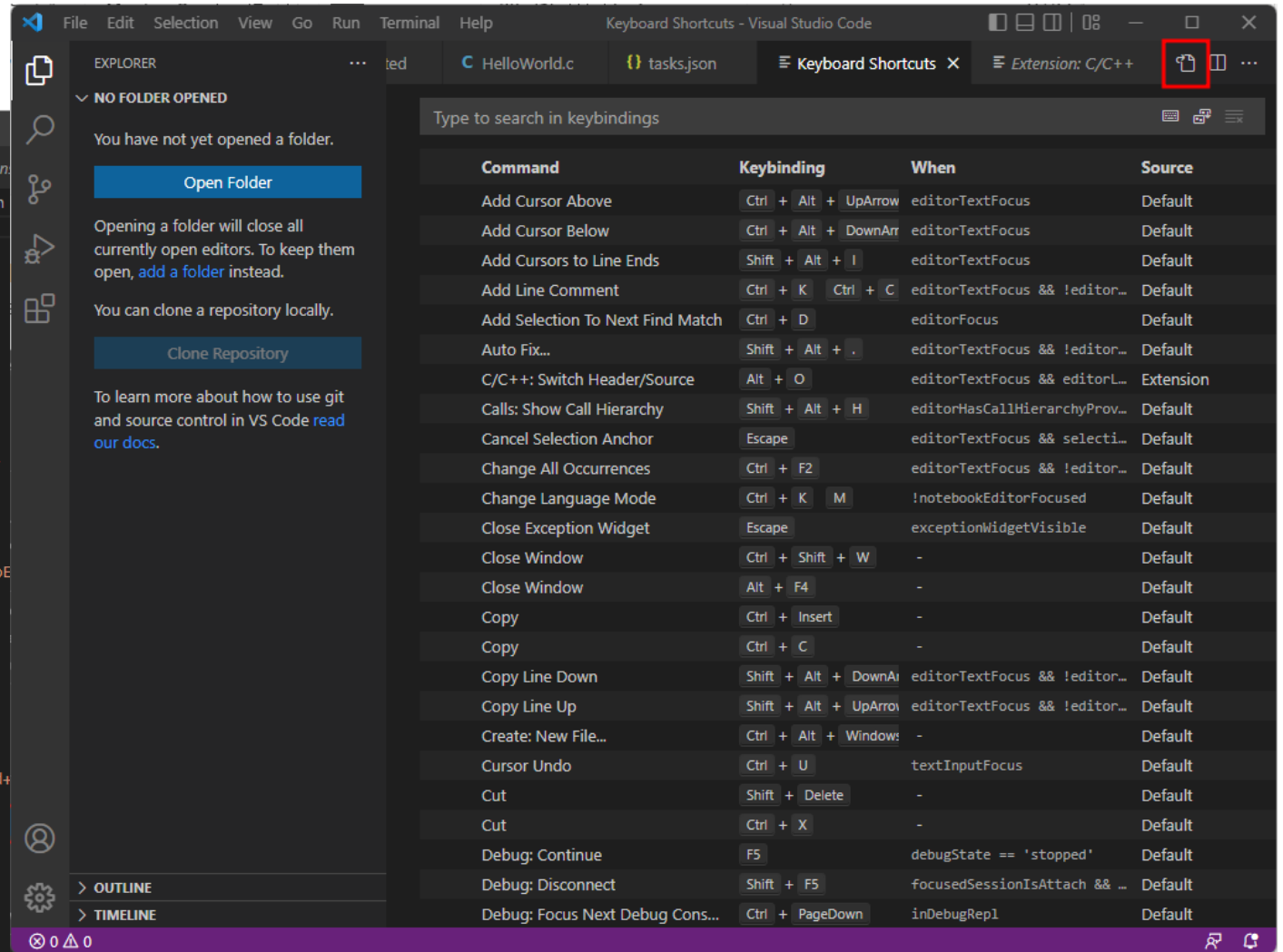
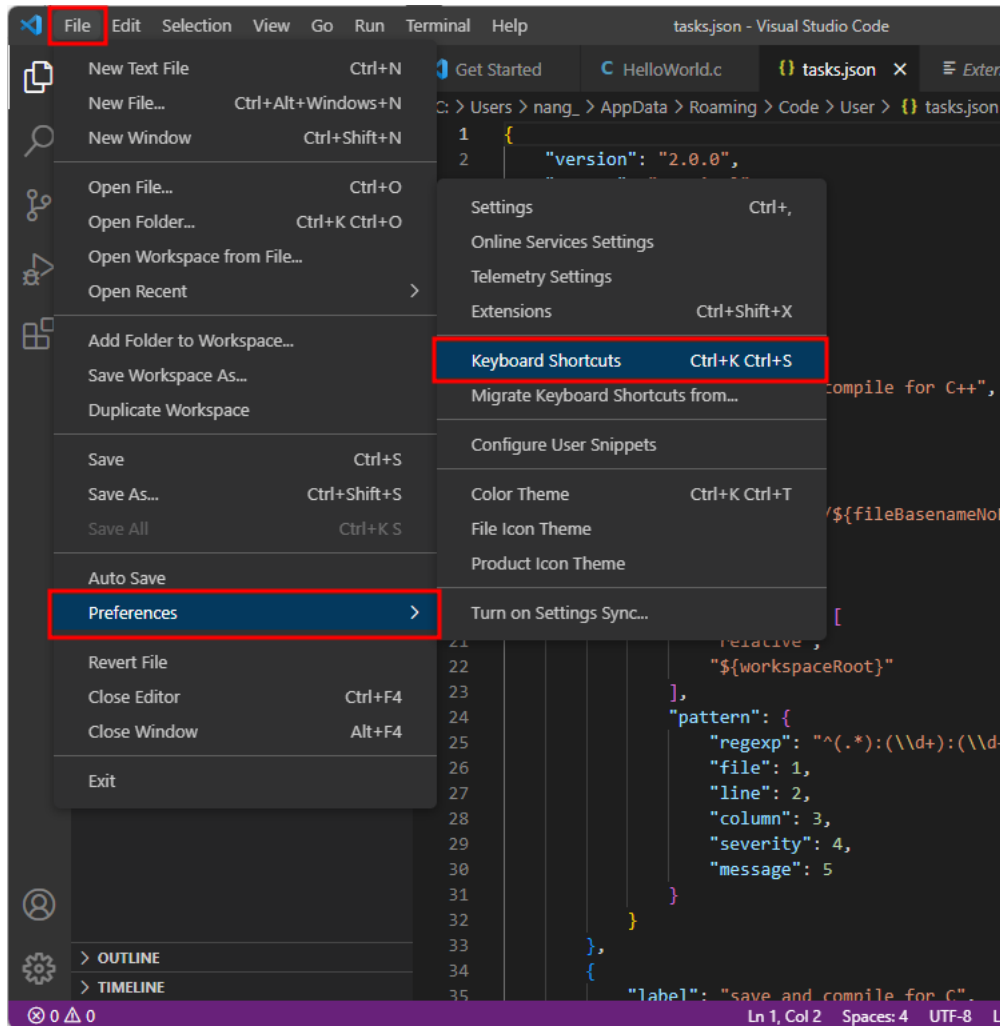
5. VSCode 추가작업 - ctrl + c, ctrl + v



```
{ "version": "2.0.0", "runner": "terminal", "type": "shell", "echoCommand": true, "presentation":  
{ "reveal": "always" }, "tasks": [ { "label": "save and compile for C++", "command": "g++", "args":  
[ "${file}", "-o", "${fileDirname}/${fileBasenameNoExtension}" ], "group": "build",  
"problemMatcher": { "fileLocation": [ "relative", "${workspaceRoot}" ], "pattern": { "regexp":  
"^(.*):(\\d+):(\\d+):\\s+(warning error):\\s+(.*)$", "file": 1, "line": 2, "column": 3, "severity": 4,  
"message": 5 } } }, { "label": "save and compile for C", "command": "gcc", "args": [ "${file}", "-o",  
"${fileDirname}/${fileBasenameNoExtension}" ], "group": "build", "problemMatcher":  
{ "fileLocation": [ "relative", "${workspaceRoot}" ], "pattern": { "regexp":  
"^(.*):(\\d+):(\\d+):\\s+(warning error):\\s+(.*)$", "file": 1, "line": 2, "column": 3, "severity": 4,  
"message": 5 } } }, { "label": "execute", "command": "cmd", "group": "test", "args": [ "/C",  
"${fileDirname}\\${fileBasenameNoExtension}" ], { "type": "cppbuild", "label": "C/C++: gcc.exe  
활성 파일 빌드", "command": "C:\\MinGW\\bin\\gcc.exe", "args": [ "-g", "${file}", "-o",  
"${fileDirname}\\${fileBasenameNoExtension}.exe" ], "options": { "cwd": "${fileDirname}" },  
"problemMatcher": [ "$gcc" ], "group": "build", "detail": "디버거에서 생성된 작업입니다." },  
{ "type": "cppbuild", "label": "C/C++: g++.exe 활성 파일 빌드", "command":  
"C:\\MinGW\\bin\\g++.exe", "args": [ "-g", "${file}", "-o",  
"${fileDirname}\\${fileBasenameNoExtension}.exe" ], "options": { "cwd": "${fileDirname}" },  
"problemMatcher": [ "$gcc" ], "group": "build", // "group": { // "kind": "build", // "isDefault": true  
// }, "detail": "디버거에서 생성된 작업입니다." }, { "type": "cppbuild", "label": "C/C++: gcc.exe  
활성 파일 빌드", "command": "C:\\MinGW\\bin\\gcc.exe", "args": [ "-g", "${file}", "-o",  
"${fileDirname}\\${fileBasenameNoExtension}.exe" ], "options": { "cwd": "${fileDirname}" },  
"problemMatcher": [ "$gcc" ], "group": "build", // "group": { // "kind": "build", // "isDefault": true  
// }, "detail": "컴파일러: C:\\MinGW\\bin\\gcc.exe" } ] }
```

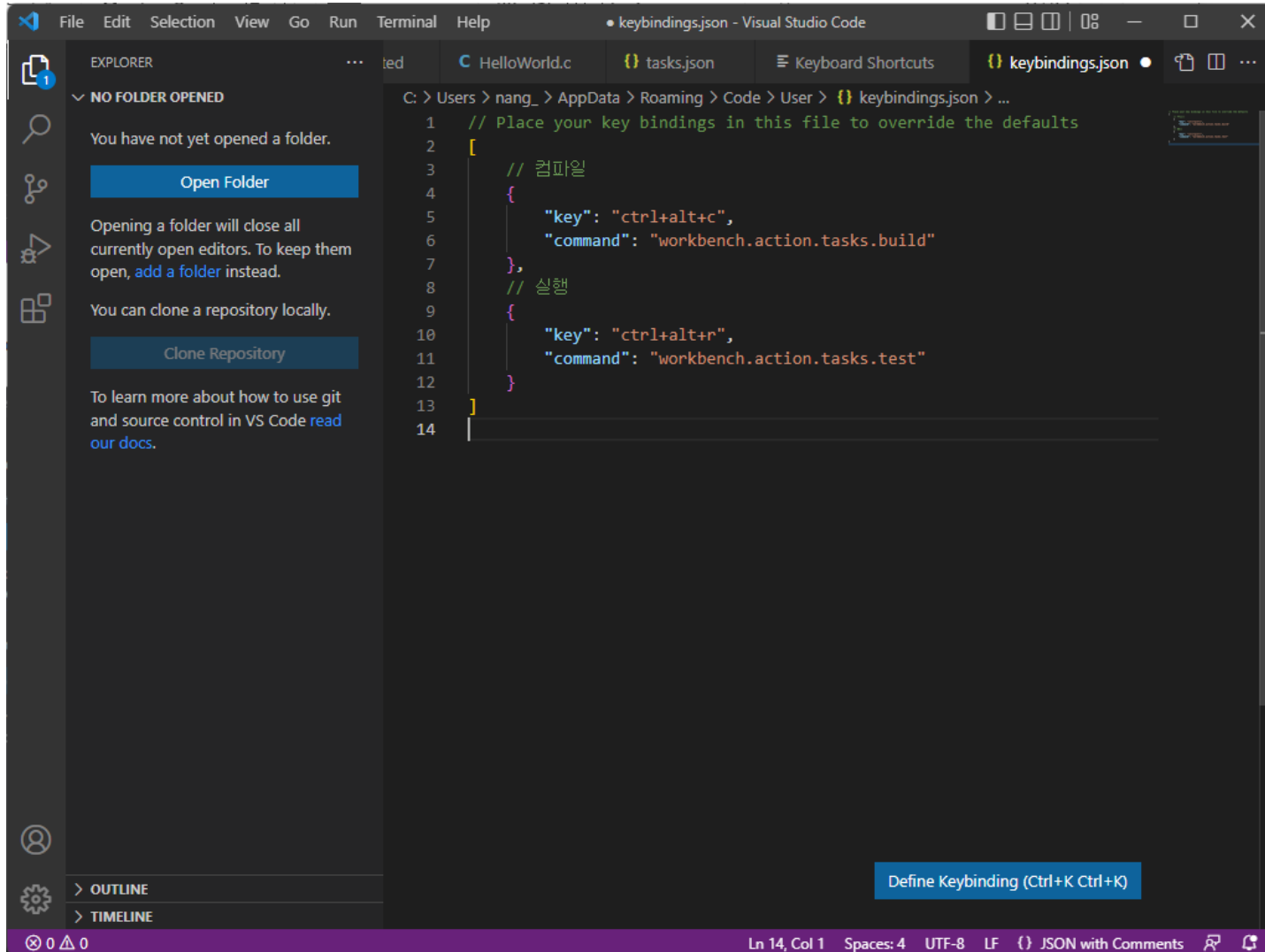
윈도우 VSCode C언어 환경 맞추기

6. VSCode 키설정



윈도우 VSCode C언어 환경 맞추기

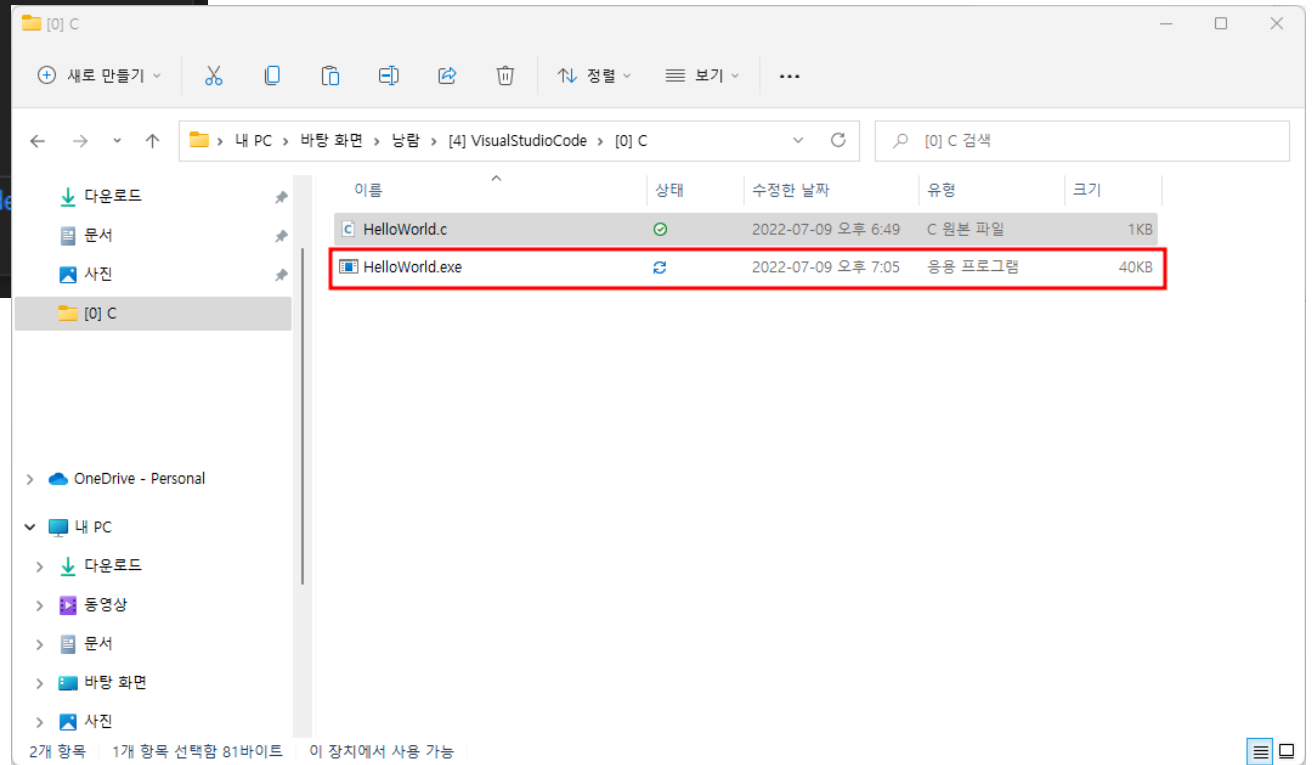
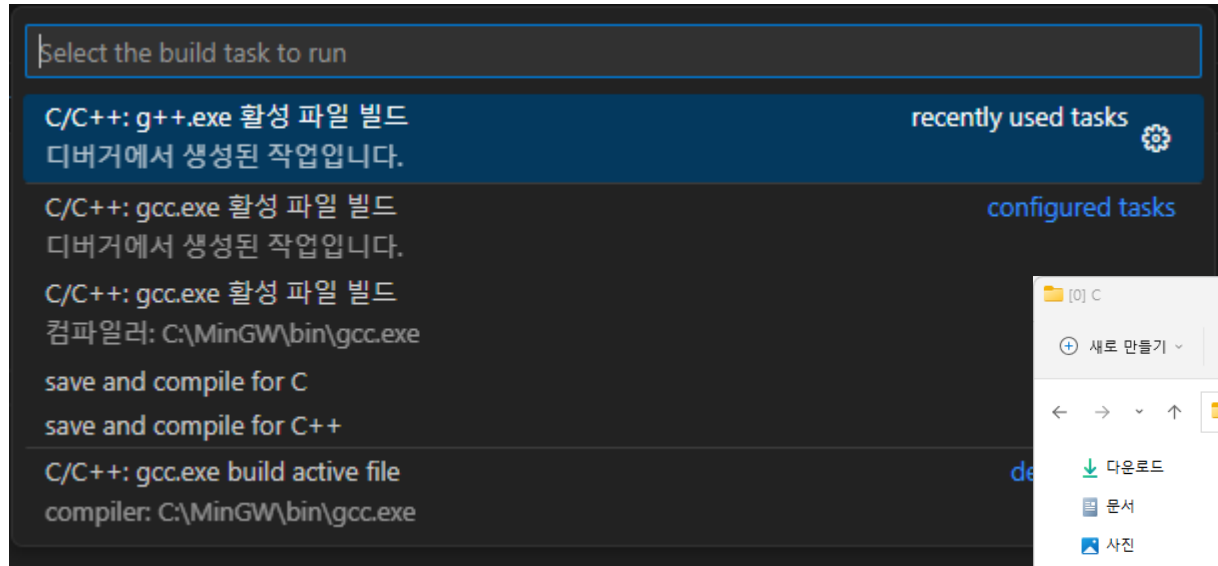
6. VSCode 키설정 - ctrl + c, ctrl + v



```
// Place your key bindings in this file to  
override the defaults [ // 컴파일 { "key":  
"ctrl+alt+c", "command":  
"workbench.action.tasks.build" }, // 실행  
{ "key": "ctrl+alt+r", "command":  
"workbench.action.tasks.test" } ]
```

윈도우 VSCode C언어 환경 맞추기

7. 이제 해보기 - ctrl + alt + c (.c -> .exe)



윈도우 VSCode C언어 환경 맞추기

7. 이제 해보기 - ctrl + alt + r

