VSCODE

C언어 개발 환경 구축하기

경성대학교 소프트웨어학과

최예진

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확장프로그램에서 C/C++ 설치





VSCODE는 컴파일러 제공을 안 하기 때문에 MinGW를 설치해야 한다.

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

MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Written by Keith Marshall
Copyright © 2009-2013, MinGW.org Project
http://mingw.org

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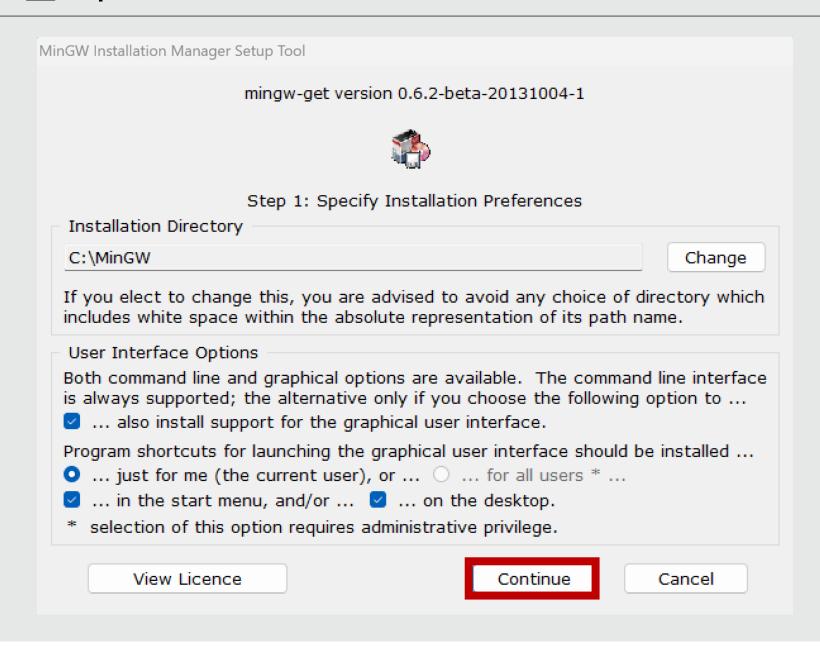
This tool will guide you through the first time setup of the MinGW Installation Manager software (mingw-get) on your computer; additionally, it will offer you the opportunity to install some other common components of the MinGW software distribution.

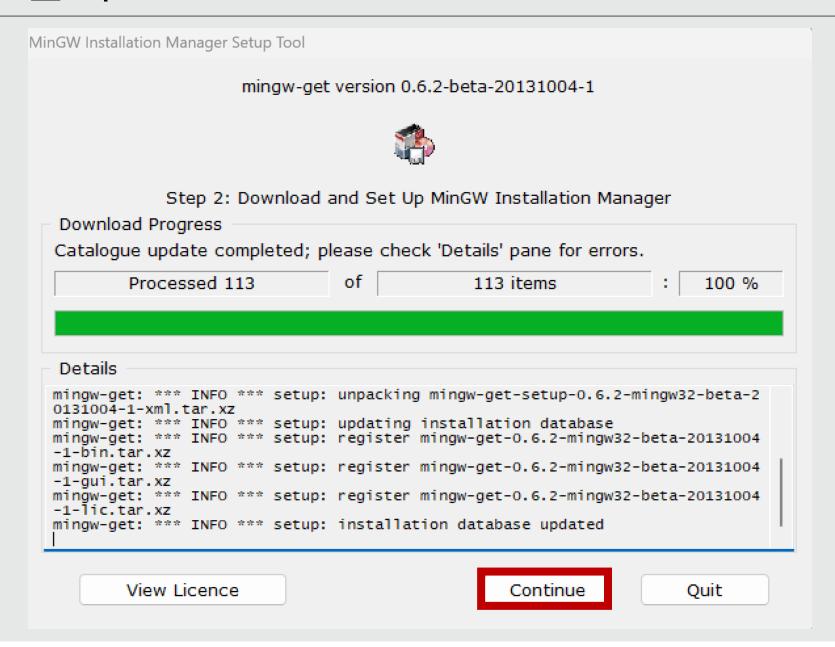
After first time setup has been completed, you should invoke the MinGW Installation Manager directly, (either the CLI mingw-get.exe variant, or its GUI counterpart, according to your preference), when you wish to add or to remove components, or to upgrade your MinGW software installation.

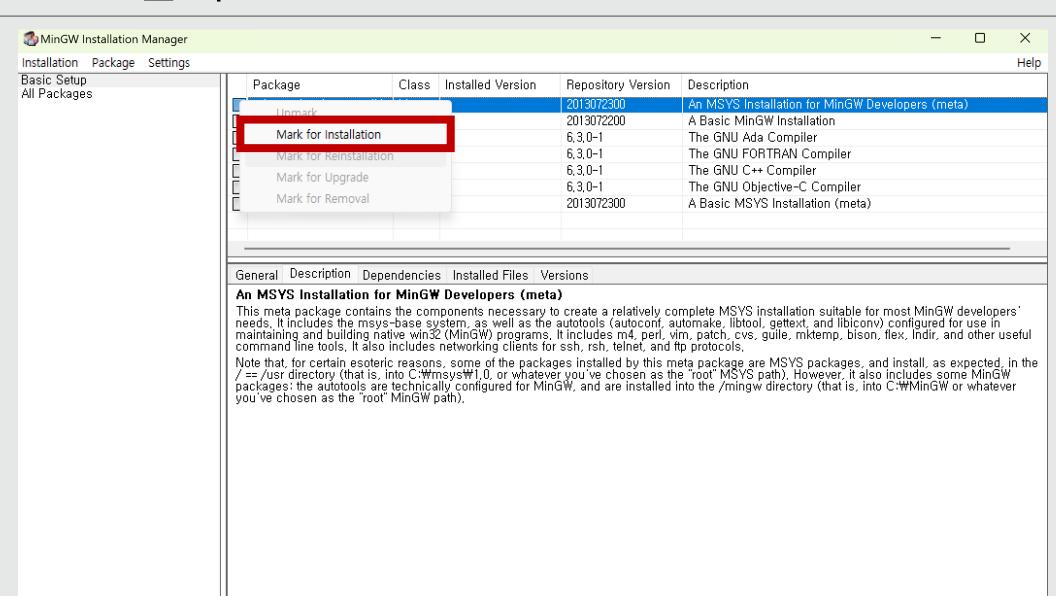
View Licence

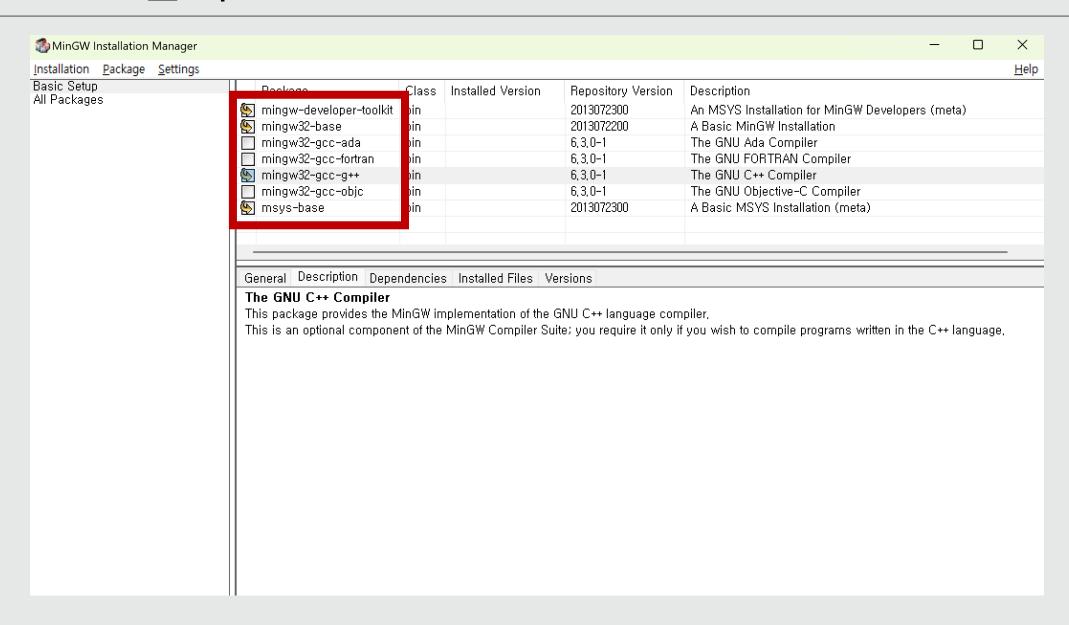
Install

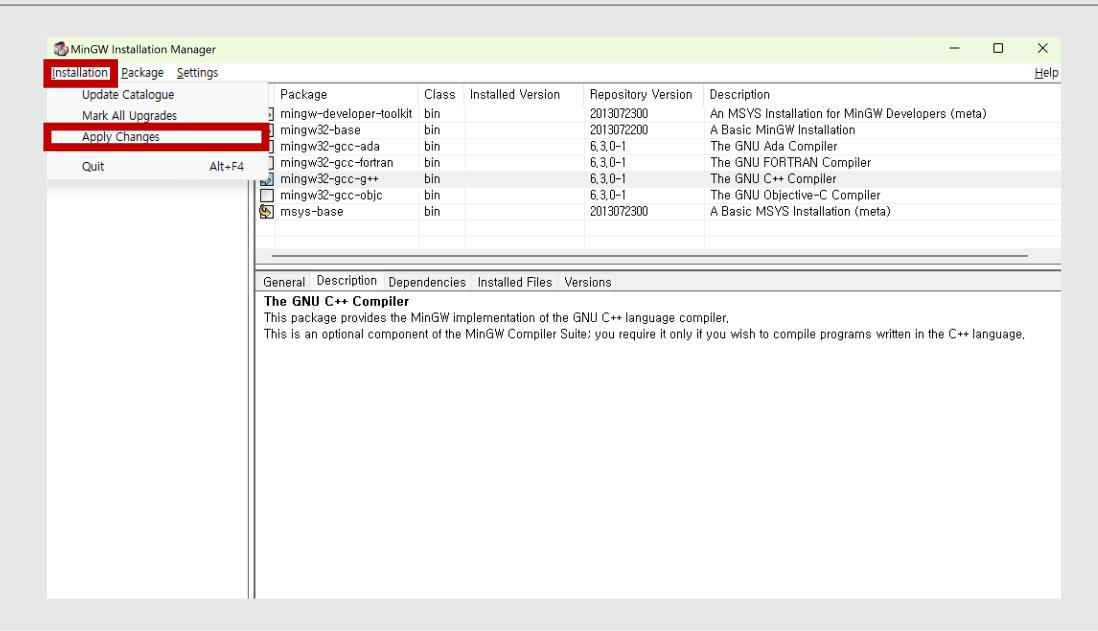
Cancel

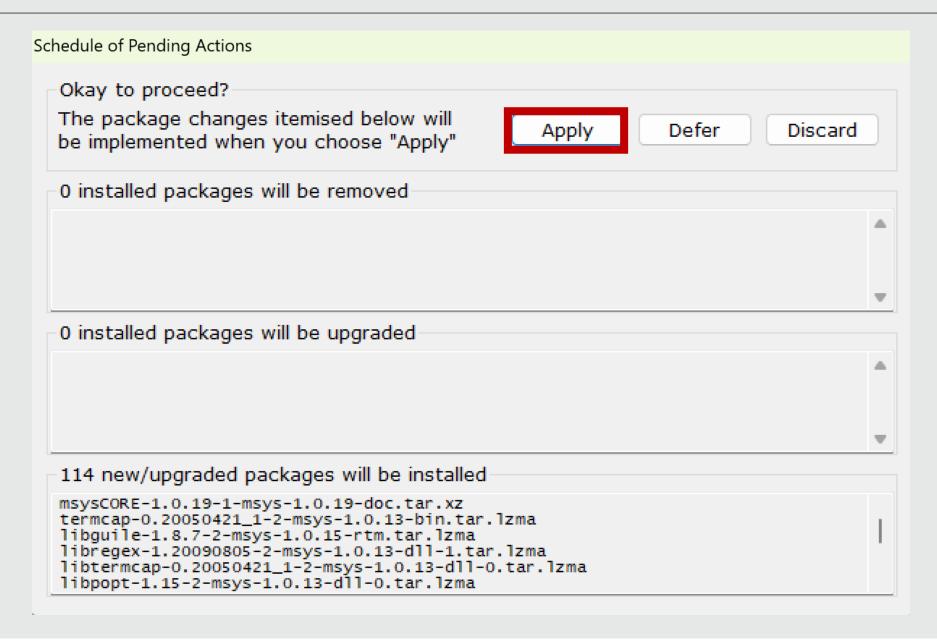


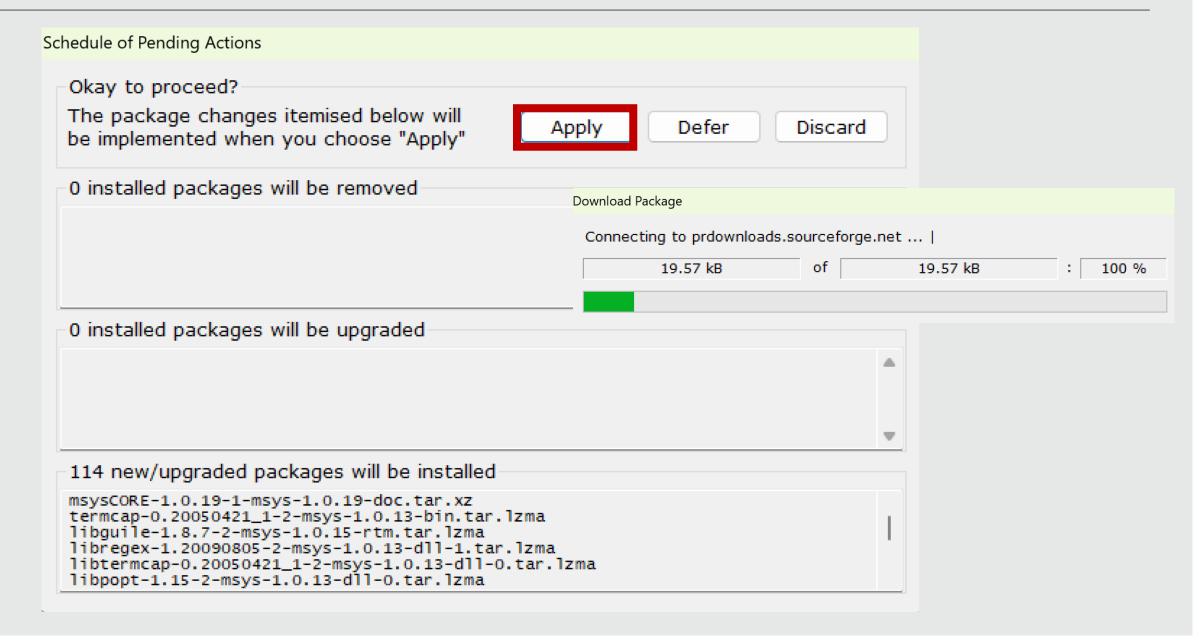




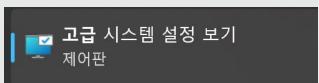


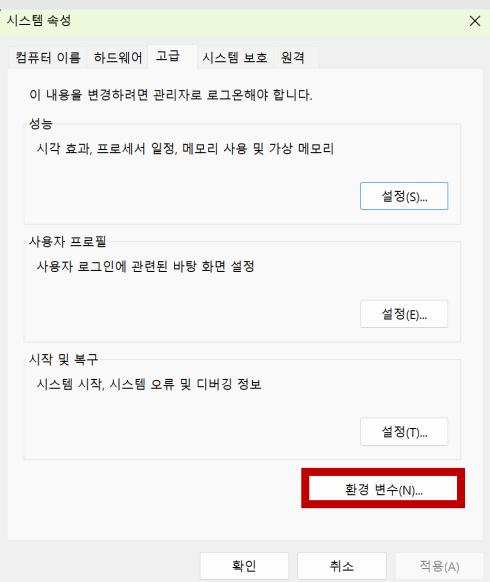






환경 변수 설정하기





환경 변수 설정하기



환경 변수 설정하기



새로 만들기 - C:₩MinGW₩bin - 확인

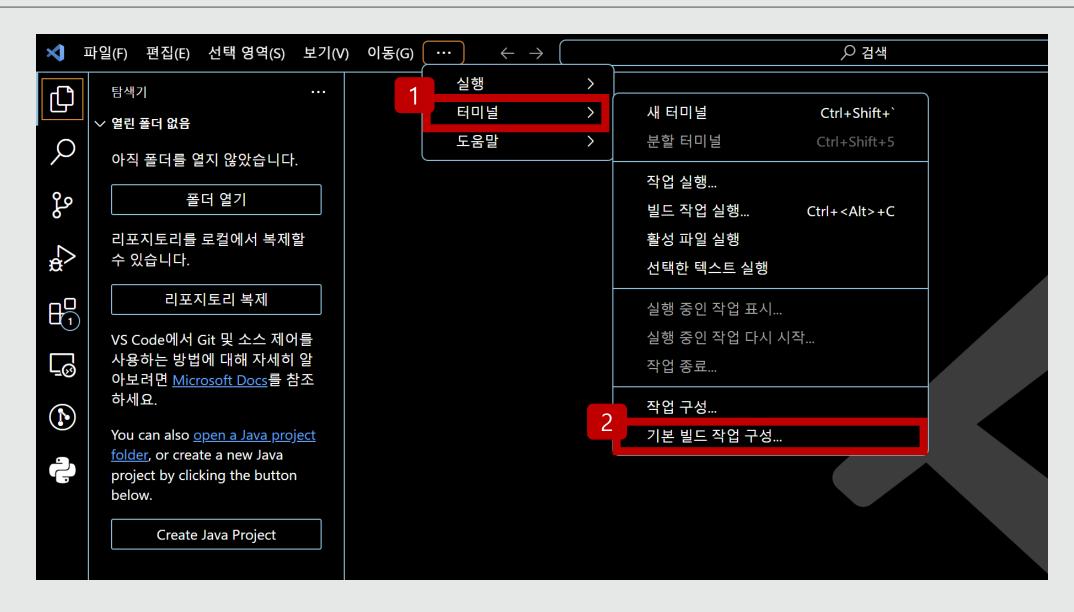
gcc 버전 확인

```
Microsoft Windows [Version 10.0.22631.3958]
(c) Microsoft Corporation. All rights reserved.

C:\Users\최 예 진 >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=/ming
w --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-pkyversion='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)
```

cmd - gcc -v

tasks.json 파일 작성



tasks.json 파일 작성

구성할 작업 선택 execute 사용자 save and compile for C 사용자 save and compile for C++ 사용자 템플릿에서 tasks.json 파일 만들기 © Grunt 작업 검색을 껐습니다. grunt 작업 검색 사용... 당 Gulp 작업 검색을 껐습니다. gulp 작업 검색 사용... 당 Jake 작업 검색을 껐습니다. jake 작업 검색 사용...

작업 템플릿 선택 MSBuild 빌드 대상을 실행합니다. maven 일반적인 Maven 명령을 실행합니다. .NET Core .NET Core 빌드 명령을 실행합니다. Others 임의의 외부 명령을 실행하는 예

tasks.json 파일 작성

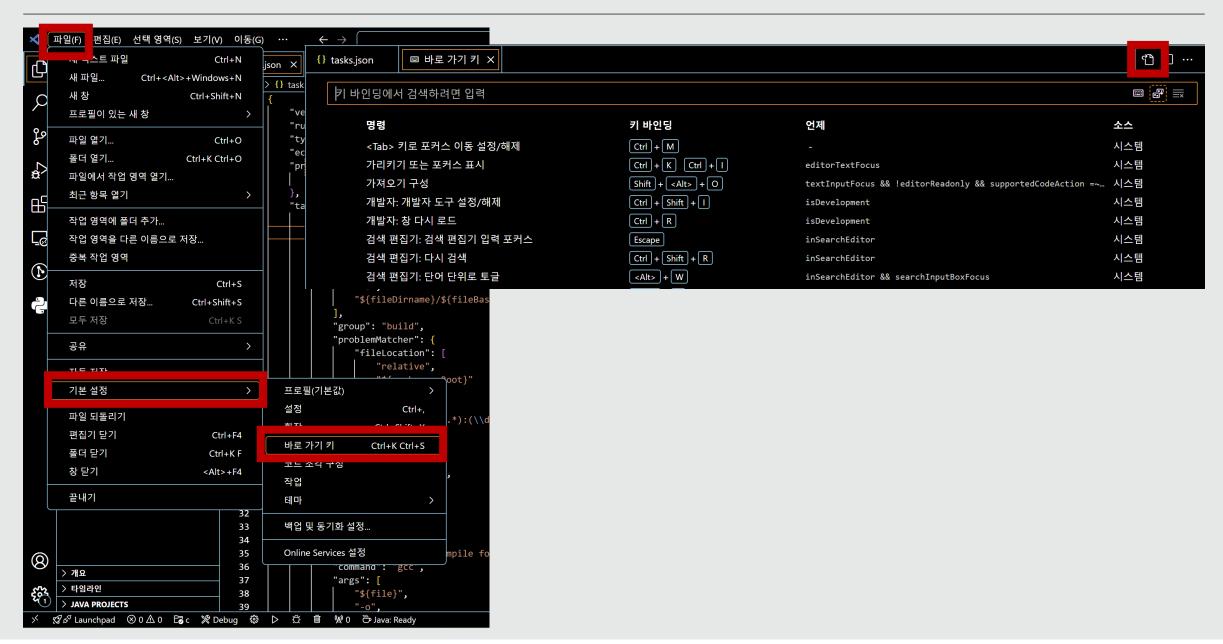
```
{} tasks.json X
  탐색기
                  回の計算
                                 .vscode > {} tasks.json > [ ] tasks > {} 0 > ••• label
\sim C

✓ .vscode

                                    1
                                    2
                                             "version": "2.0.0",
  {} c_cpp_properties.json
                                             "runner": "terminal",
                                    3
  {} launch.json
                                             "type": "shell",
                                    4
  {} settings.json
                                             "echoCommand": true,
                                    5
  {} tasks.json
                                             "presentation": {
                                    6
                                                 "reveal": "always"
                                    8
                                             "tasks": [
                                    9
                                   10
                                                     "label": "save and compile for C++",
                                   11
                                   12
                                                      "command": "g++",
                                   13
                                                      "args": [
                                   14
                                                          "${file}",
                                   15
                                                          "-o",
                                                          "${fileDirname}/${fileBasenameNoExtension}"
                                   16
                                   17
                                                      "group": "build",
                                   18
                                                      "problemMatcher": {
                                   19
```

tasks.txt 파일 복사/붙여넣기

단축키 설정



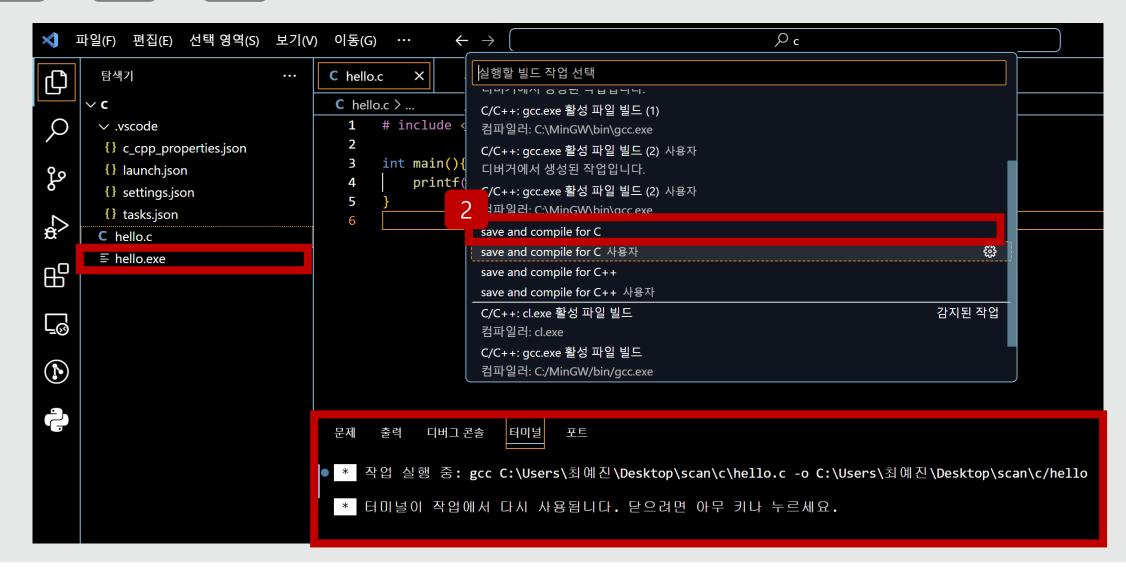
단축키 설정

```
key.txt 파일 복사/붙여넣기
```

```
// 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"
```

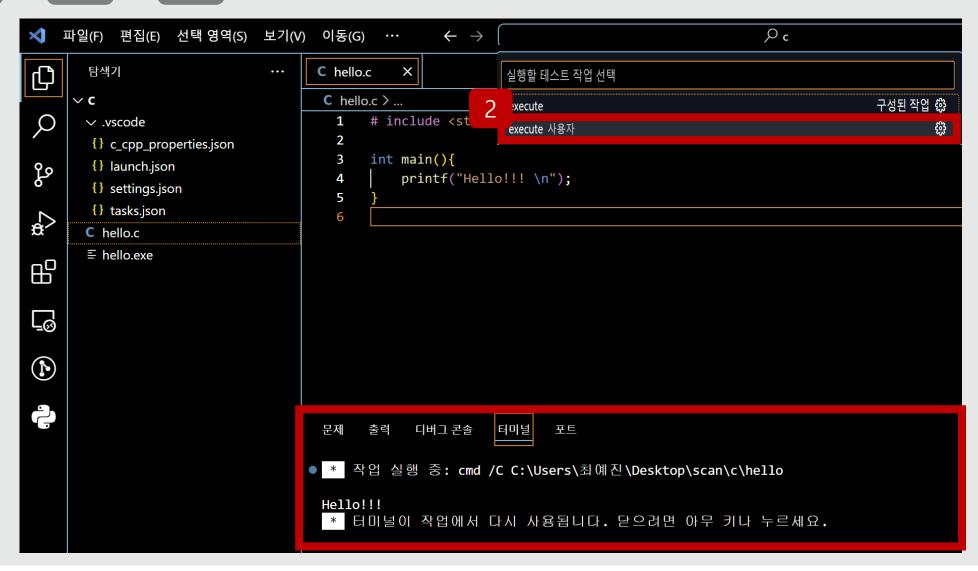
코드 작성 후 실행 파일 생성

1 Ctrl + Alt + C



코드 작성 후 실행 파일 생성

1 Ctrl + Alt + r



Reference

https://nanglam.tistory.com/4

감사

합니다