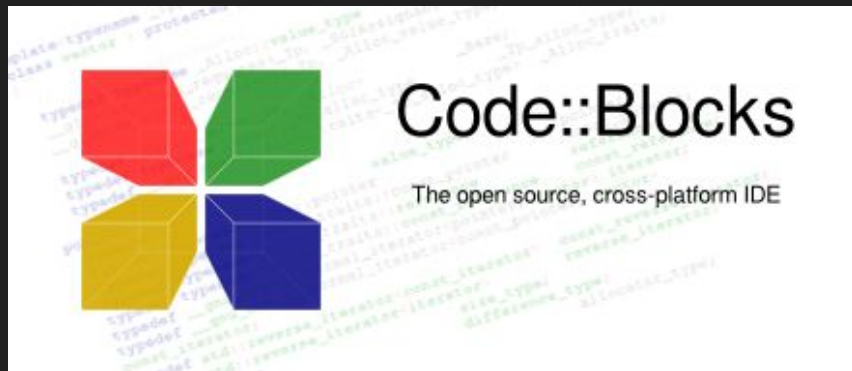


IDE Tutorial




Installation

<http://www.codeblocks.org/>

Go to

Downloads



Code::Blocks

Code::Blocks - The IDE with all the features you need, having a consistent look, feel and operation across platforms.


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The open source, cross platform, free C, C++ and Fortran IDE.

Code::Blocks is a free C, C++ and Fortran IDE built to meet the most demanding needs of its users. It is designed to be very extensible and fully configurable.

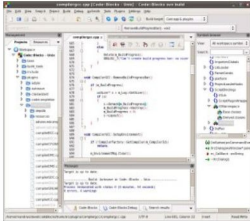
Finally, an IDE with all the features you need, having a consistent look, feel and operation across platforms.

Built around a plugin framework, Code::Blocks can be *extended with plugins*. Any kind of functionality can be added by installing/coding a plugin. For instance, compiling and debugging functionality is already provided by plugins!

Special credits go to darmar for his great work on the **FortranProject** plugin, bundled since release 13.12.

We hope you enjoy using Code::Blocks!

The Code::Blocks Team



Code::Blocks 17.12 is here!

Written by MortenMacFly
Saturday, 30 December 2017 16:34

Again, many improvements, new features, more stable, enhanced for Windows 10, the new Code::Blocks release 17.12 has arrived. Get it from the **downloads** section! A **changelog** summarises new features and fixes.

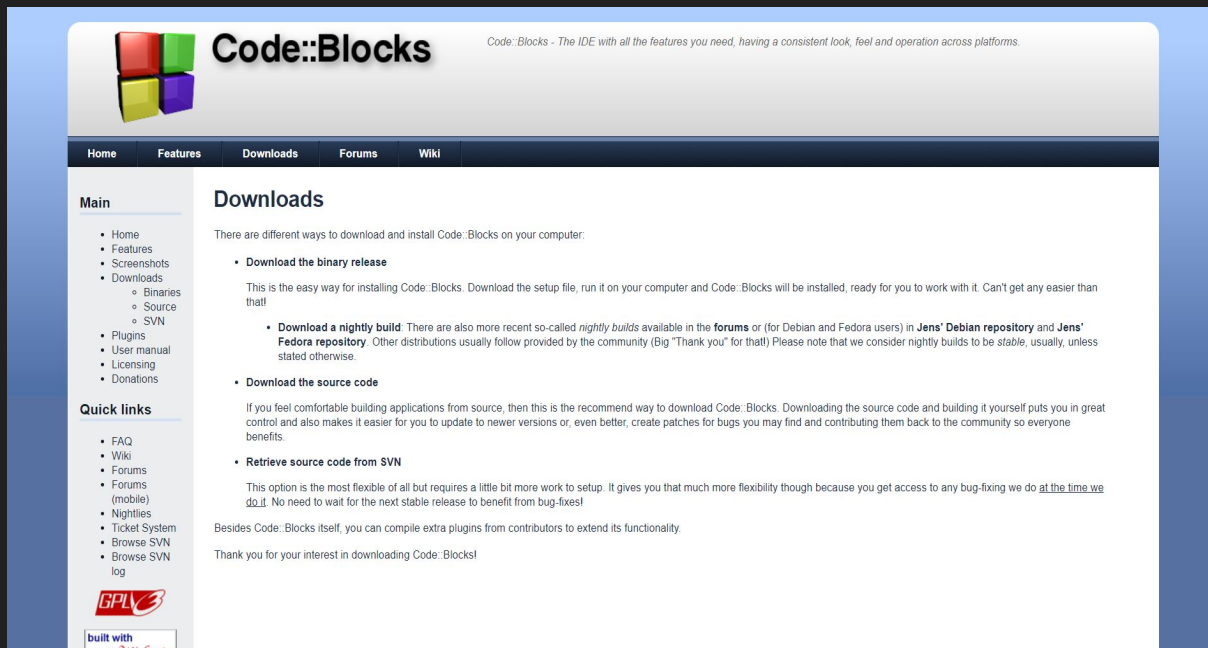
We provide binaries for the major platforms supported by Code::Blocks, with more to come in the next time.

Last Updated on Sunday, 31 December 2017 15:24

Installation (cont.)

Choose

Download the binary
release



The screenshot shows the Code::Blocks website. At the top is the Code::Blocks logo, which consists of four colored squares (red, green, yellow, and blue) arranged in a 2x2 grid. To the right of the logo is the text "Code::Blocks". Below the logo and text is a navigation bar with links: Home, Features, Downloads, Forums, and Wiki. The "Downloads" link is highlighted. The main content area is titled "Downloads" and contains the following text: "There are different ways to download and install Code::Blocks on your computer:". Below this text are three bullet points: "Download the binary release", "Download a nightly build", and "Download the source code". Each bullet point has a brief description of the download method. The "Download the binary release" section states: "This is the easy way for installing Code::Blocks. Download the setup file, run it on your computer and Code::Blocks will be installed, ready for you to work with it. Can't get any easier than that!". The "Download a nightly build" section states: "There are also more recent so-called *nightly builds* available in the [forums](#) or (for Debian and Fedora users) in [Jens' Debian repository](#) and [Jens' Fedora repository](#). Other distributions usually follow provided by the community (Big 'Thank you' for that!) Please note that we consider nightly builds to be *stable*, usually, unless stated otherwise.". The "Download the source code" section states: "If you feel comfortable building applications from source, then this is the recommend way to download Code::Blocks. Downloading the source code and building it yourself puts you in great control and also makes it easier for you to update to newer versions or, even better, create patches for bugs you may find and contributing them back to the community so everyone benefits.". Below the bullet points is a paragraph: "Besides Code::Blocks itself, you can compile extra plugins from contributors to extend its functionality." and a thank you message: "Thank you for your interest in downloading Code::Blocks!". On the left side of the page, there is a sidebar with a "Main" section containing links: Home, Features, Screenshots, Downloads (with sub-links: Binaries, Source, SVN), Plugins, User manual, Licensing, and Donations. Below the "Main" section is a "Quick links" section containing links: FAQ, Wiki, Forums, Forums (mobile), Nightlies, Ticket System, Browse SVN, and Browse SVN log. At the bottom of the sidebar, there is a "GPLv3" logo and a "built with" logo.

Code::Blocks

Code::Blocks - The IDE with all the features you need, having a consistent look, feel and operation across platforms.

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GPLv3

built with

Downloads

There are different ways to download and install Code::Blocks on your computer:

- **Download the binary release**

This is the easy way for installing Code::Blocks. Download the setup file, run it on your computer and Code::Blocks will be installed, ready for you to work with it. Can't get any easier than that!
- **Download a nightly build** There are also more recent so-called *nightly builds* available in the [forums](#) or (for Debian and Fedora users) in [Jens' Debian repository](#) and [Jens' Fedora repository](#). Other distributions usually follow provided by the community (Big "Thank you" for that!) Please note that we consider nightly builds to be *stable*, usually, unless stated otherwise.
- **Download the source code**

If you feel comfortable building applications from source, then this is the recommend way to download Code::Blocks. Downloading the source code and building it yourself puts you in great control and also makes it easier for you to update to newer versions or, even better, create patches for bugs you may find and contributing them back to the community so everyone benefits.
- **Retrieve source code from SVN**

This option is the most flexible of all but requires a little bit more work to setup. It gives you that much more flexibility though because you get access to any bug-fixing we do [at the time we do it](#). No need to wait for the next stable release to benefit from bug-fixes!

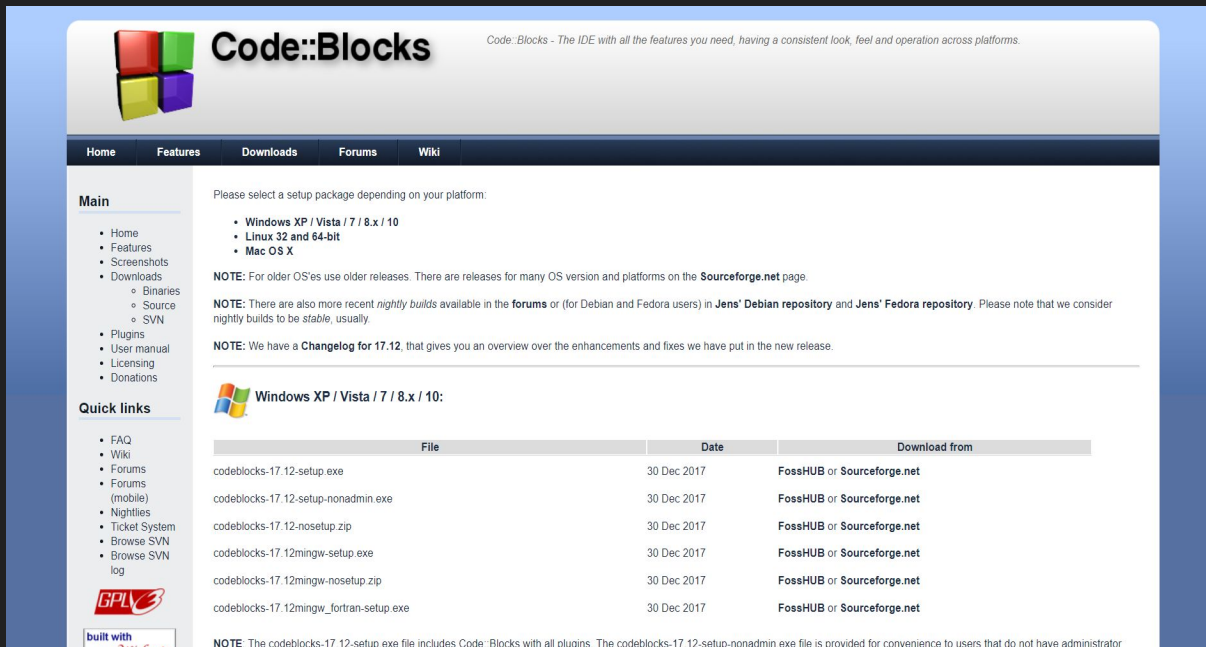
Besides Code::Blocks itself, you can compile extra plugins from contributors to extend its functionality.

Thank you for your interest in downloading Code::Blocks!

Installation (cont.)

Choose

mingw-setup.exe



The screenshot shows the Code::Blocks website. The header features the Code::Blocks logo and the tagline "Code::Blocks - The IDE with all the features you need, having a consistent look, feel and operation across platforms." Below the header is a navigation bar with links to Home, Features, Downloads, Forums, and Wiki. The main content area is titled "Main" and contains a list of links to various resources. A "Quick links" section is also present. The "Downloads" section is highlighted, showing a table of download links for Windows XP/Vista/7/8.x/10. The table lists files like codeblocks-17.12-setup.exe, codeblocks-17.12-setup-nonadmin.exe, codeblocks-17.12-nosetup.zip, codeblocks-17.12mingw-setup.exe, codeblocks-17.12mingw-nosetup.zip, and codeblocks-17.12mingw_fortran-setup.exe, all dated 30 Dec 2017, and available from FossHUB or Sourceforge.net. A note at the bottom states: "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."

Code::Blocks Code::Blocks - The IDE with all the features you need, having a consistent look, feel and operation across platforms.

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

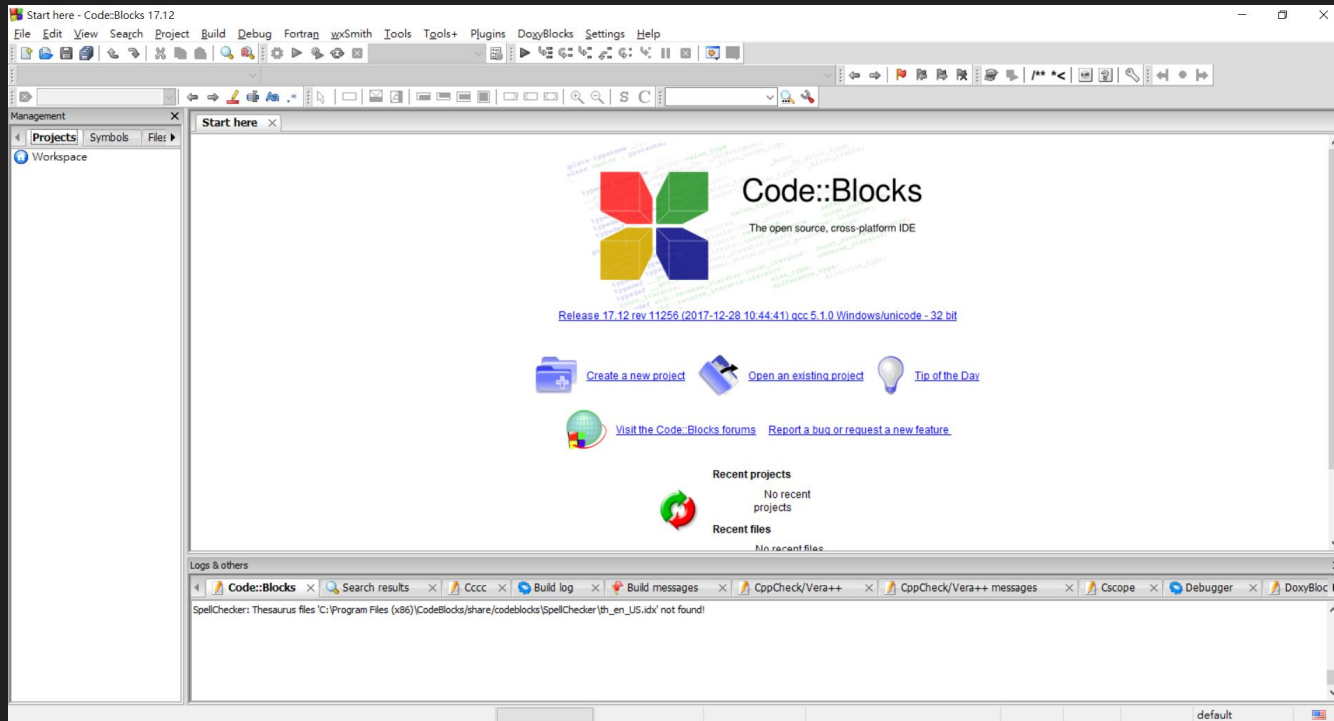
File	Date	Download from
codeblocks-17.12-setup.exe	30 Dec 2017	FossHUB or Sourceforge.net
codeblocks-17.12-setup-nonadmin.exe	30 Dec 2017	FossHUB or Sourceforge.net
codeblocks-17.12-nosetup.zip	30 Dec 2017	FossHUB or Sourceforge.net
codeblocks-17.12mingw-setup.exe	30 Dec 2017	FossHUB or Sourceforge.net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

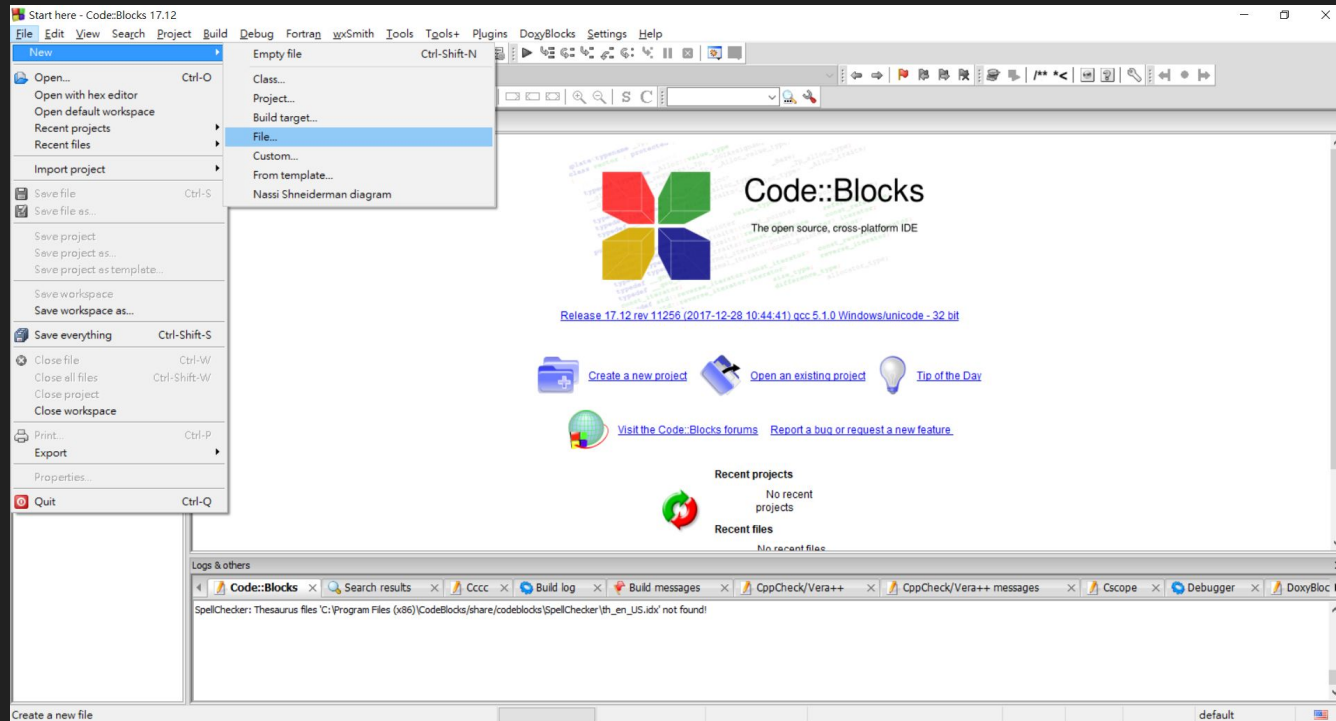
Single File

Select

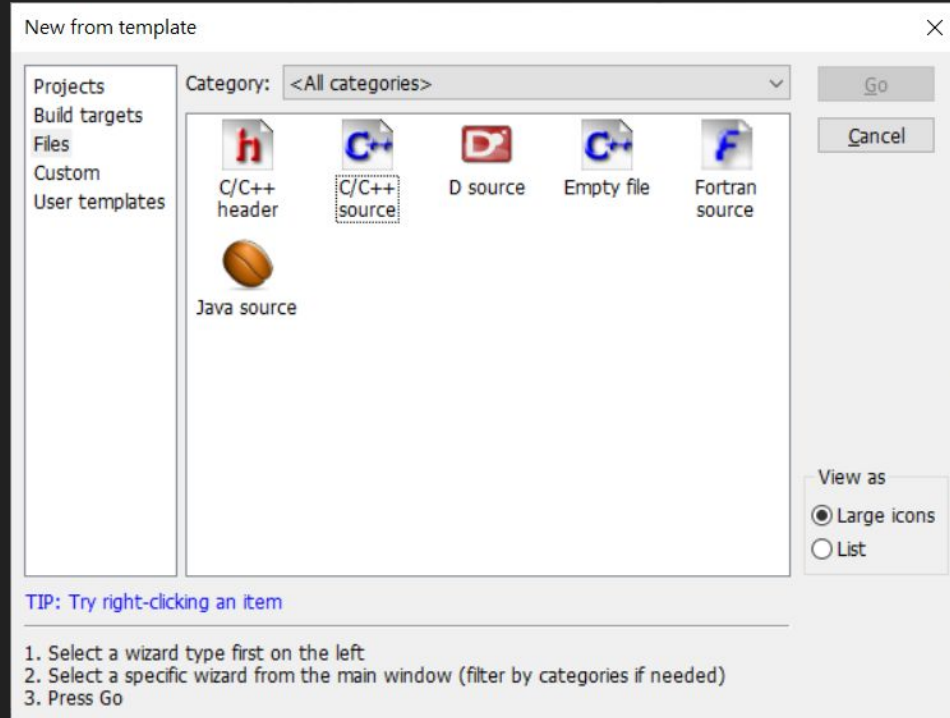
Create a new
project



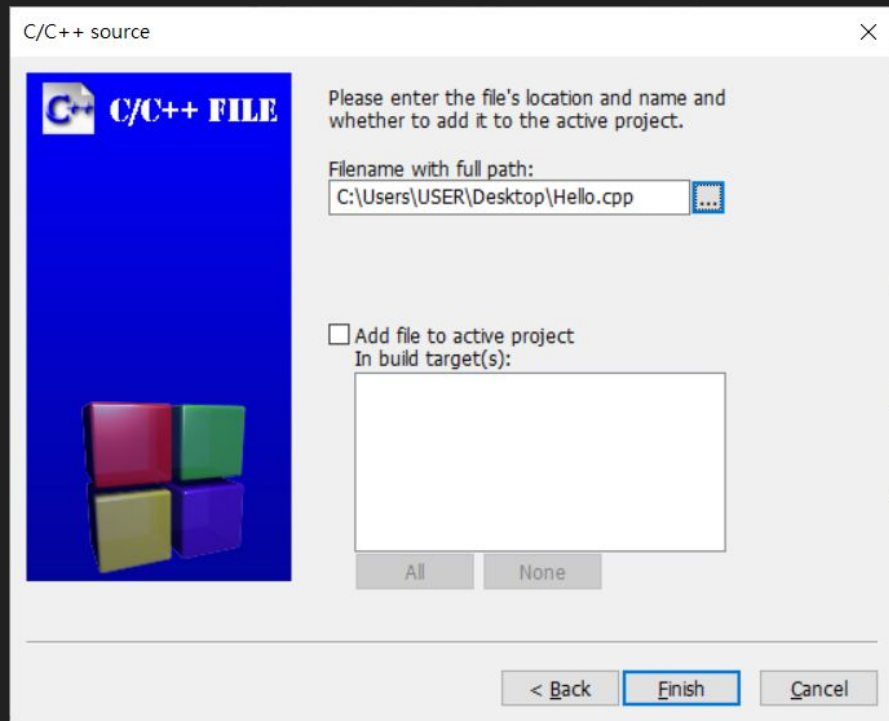
Create a new file



Choose C/C++ source

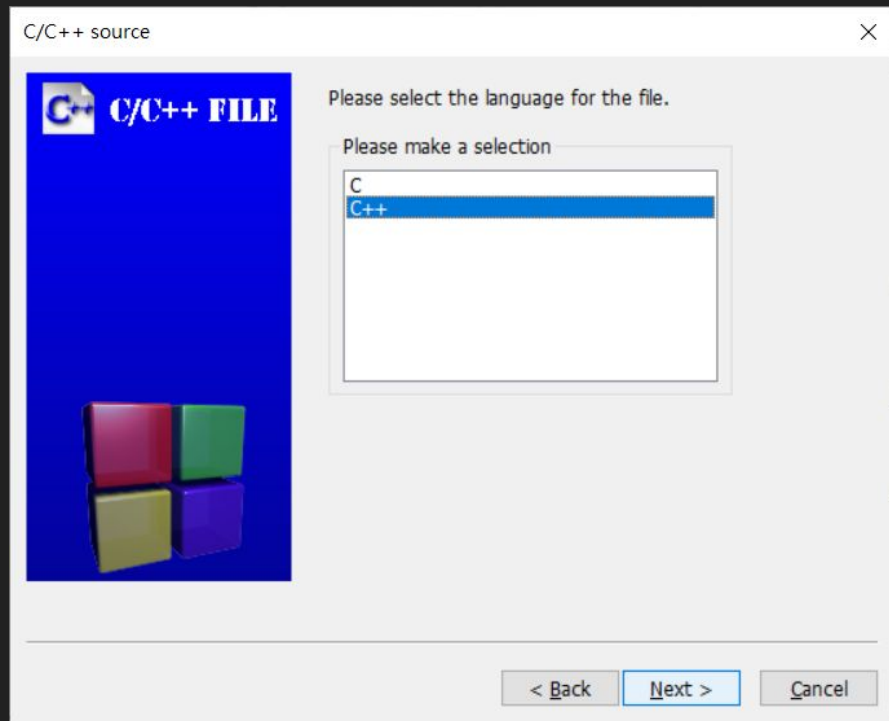


Save the file first

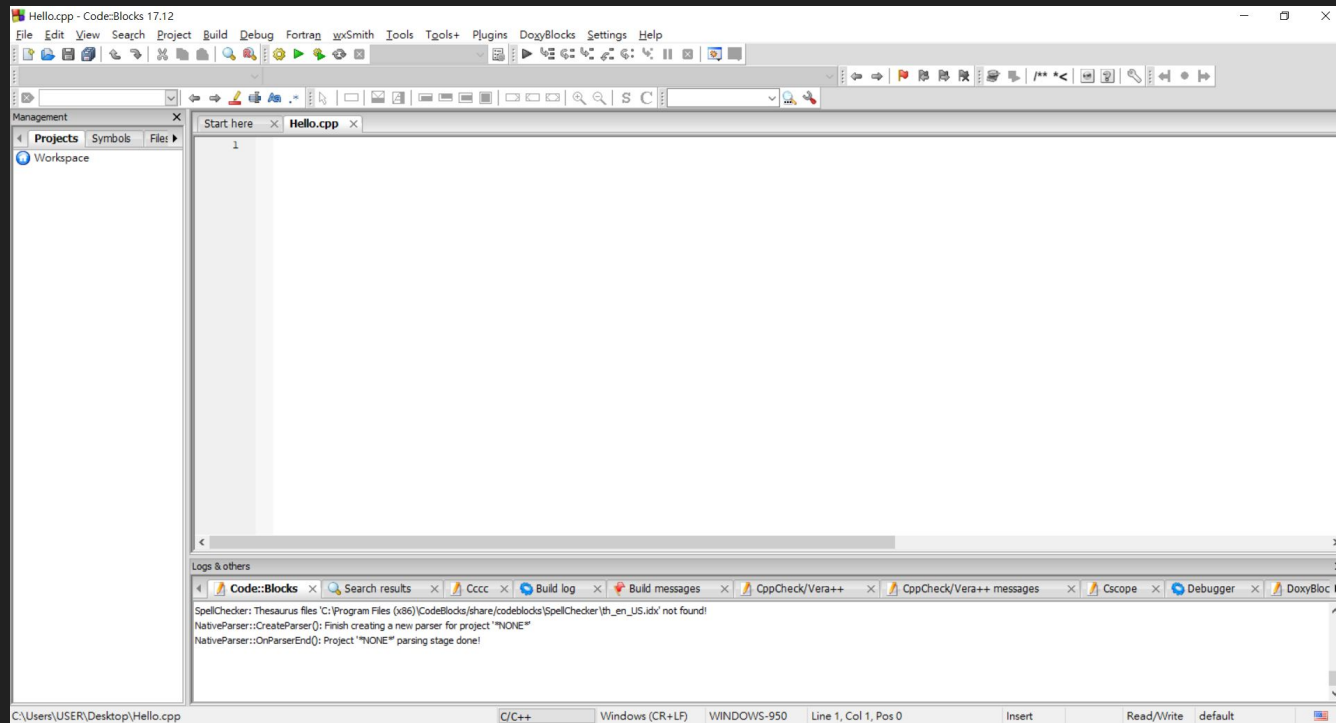


Select

C++

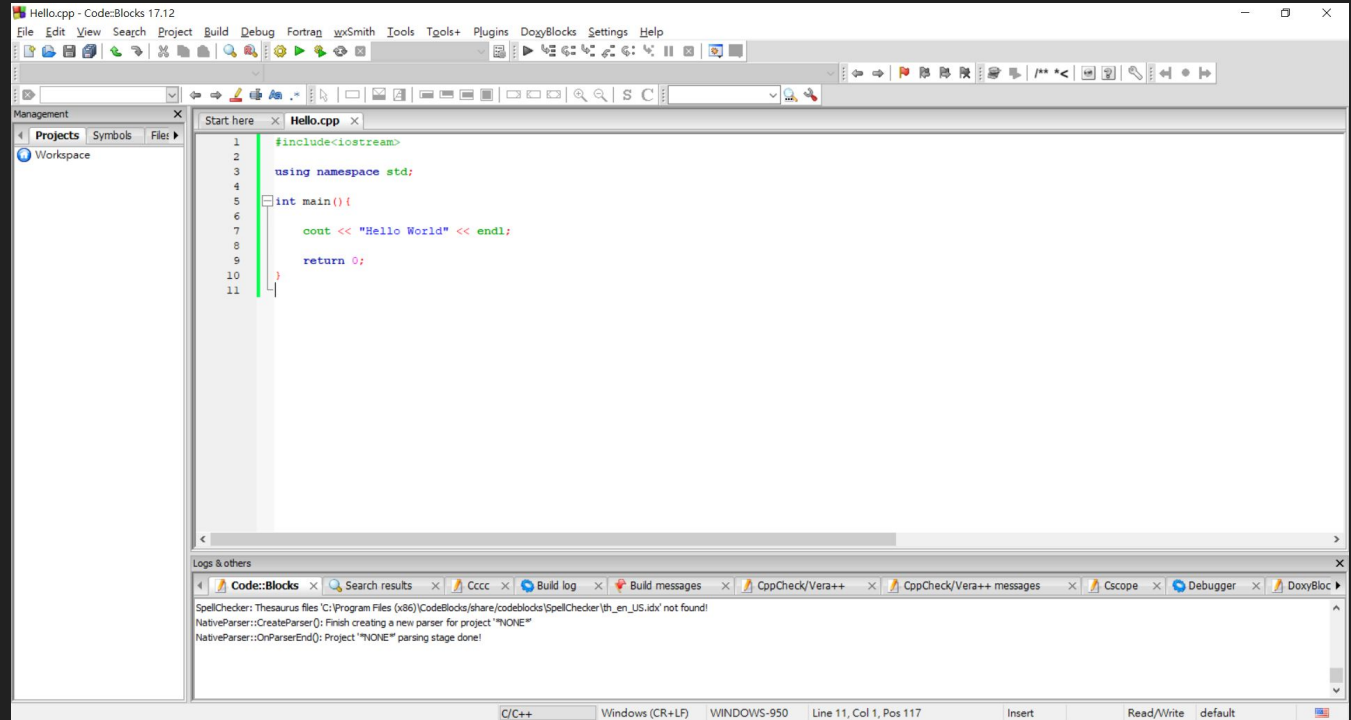


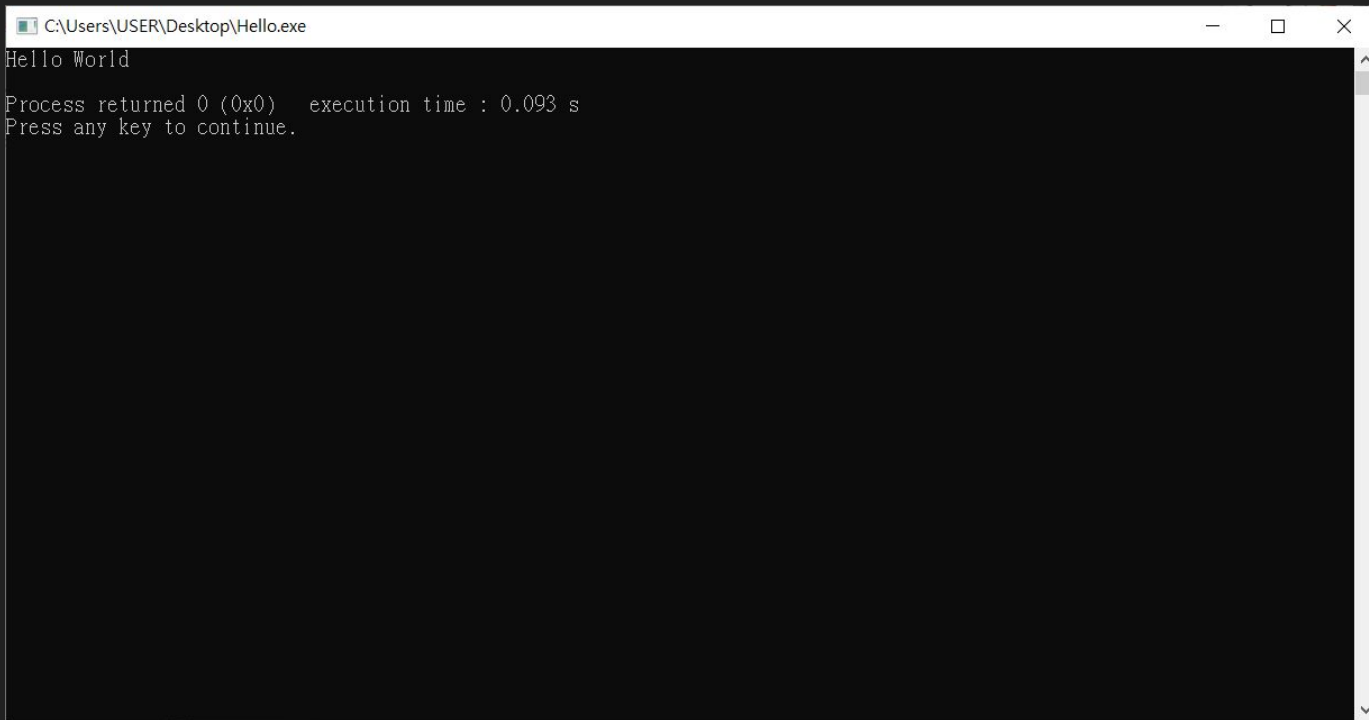
Fill in your code



Click

Build & Run Icon



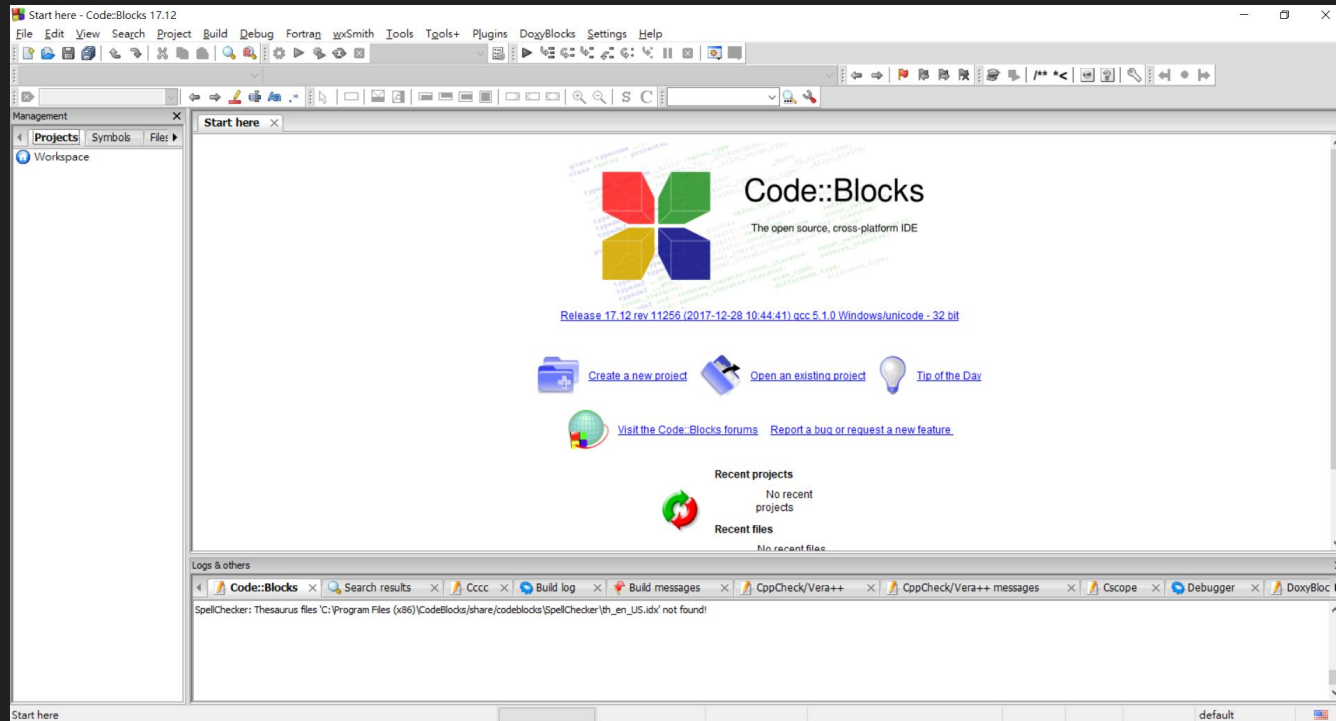


```
C:\Users\USER\Desktop\Hello.exe
Hello World
Process returned 0 (0x0) execution time : 0.093 s
Press any key to continue.
```

Project

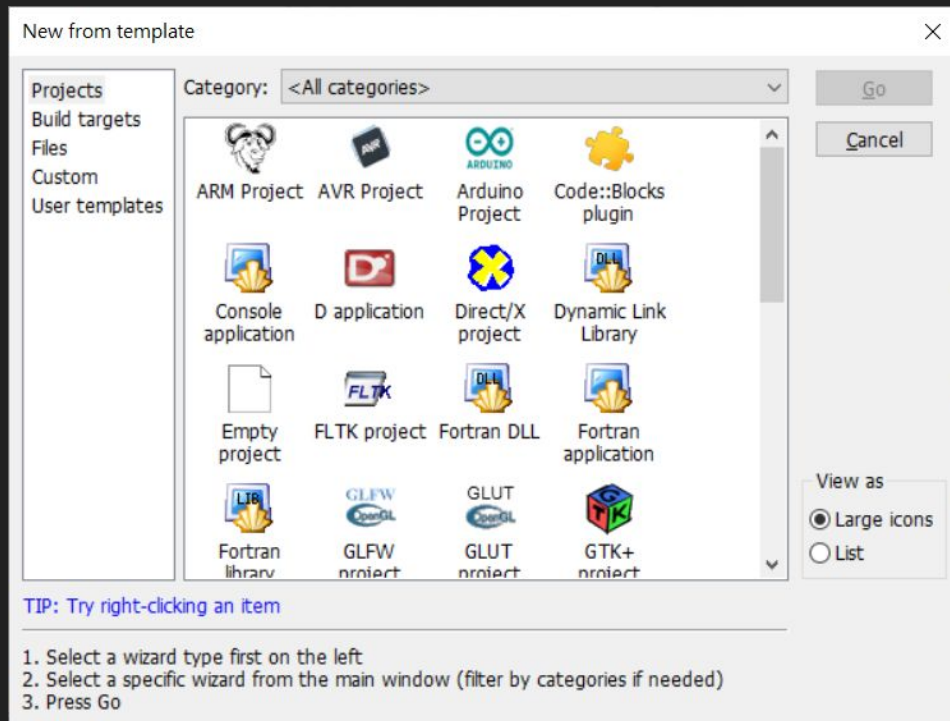
Select

Create a new
project



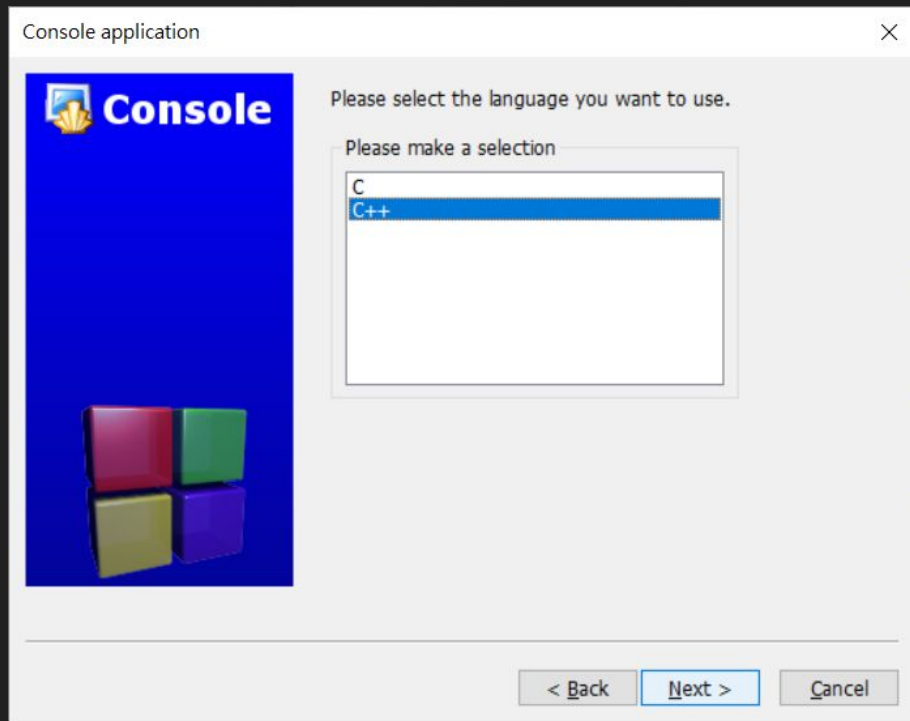
Choose

Console
application



Select

C++



Save the project
first

Console application

Please select the folder where you want the new project to be created as well as its title.

Console

Project title:
Sample

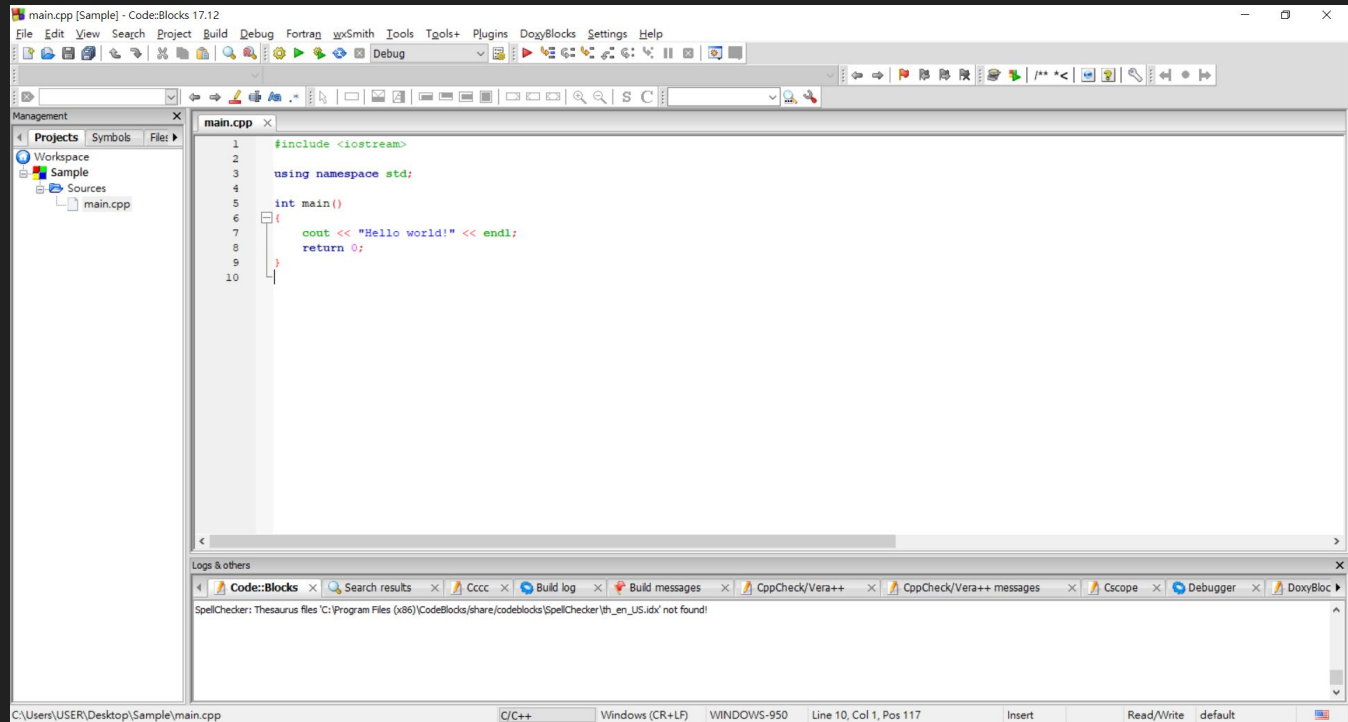
Folder to create project in:
C:\Users\USER\Desktop

Project filename:
Sample.cbp

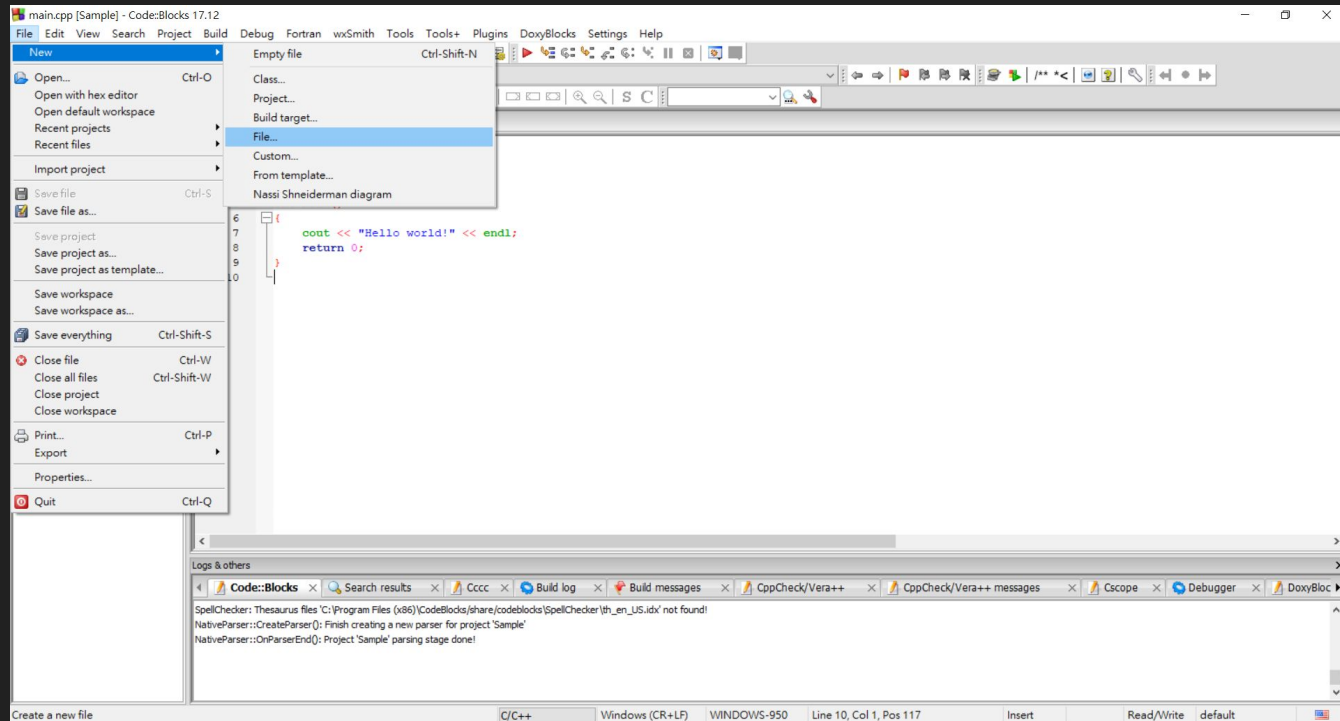
Resulting filename:
C:\Users\USER\Desktop\Sample\Sample.cbp

< Back Next > Cancel

Empty main.cpp

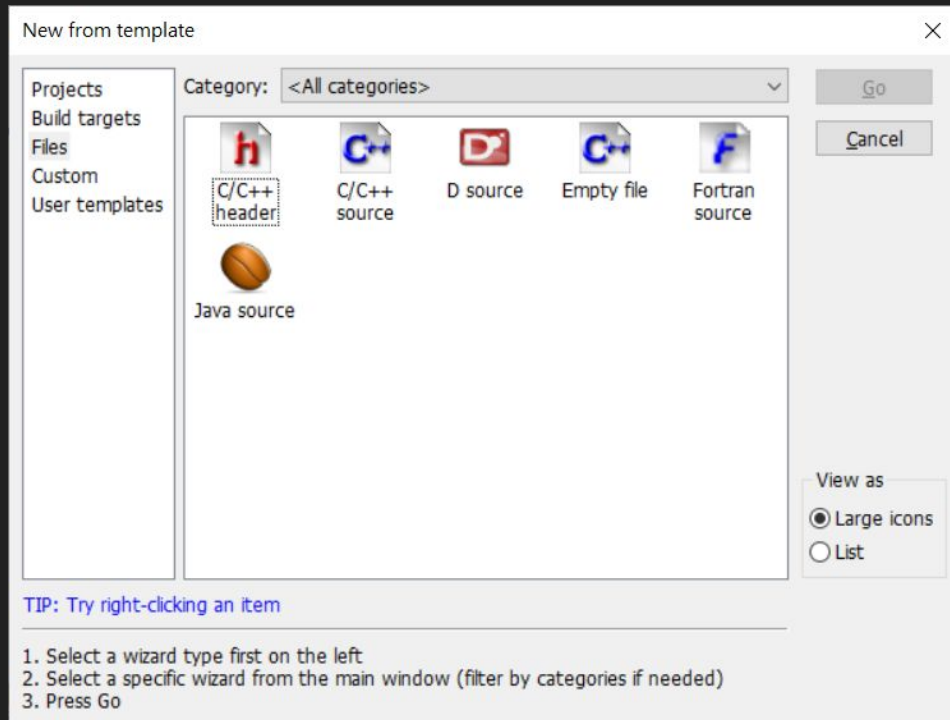


Create a new header file



Choose

C/C++ header



Save the file first

C/C++ header

Please enter the file's location and name and whether to add it to the active project.

Filename with full path:
C:\Users\USER\Desktop\Sample\header

Header guard word:
HEADER_H_INCLUDED

☒ Add file to active project
In build target(s):

☐ Debug
☐ Release

All None

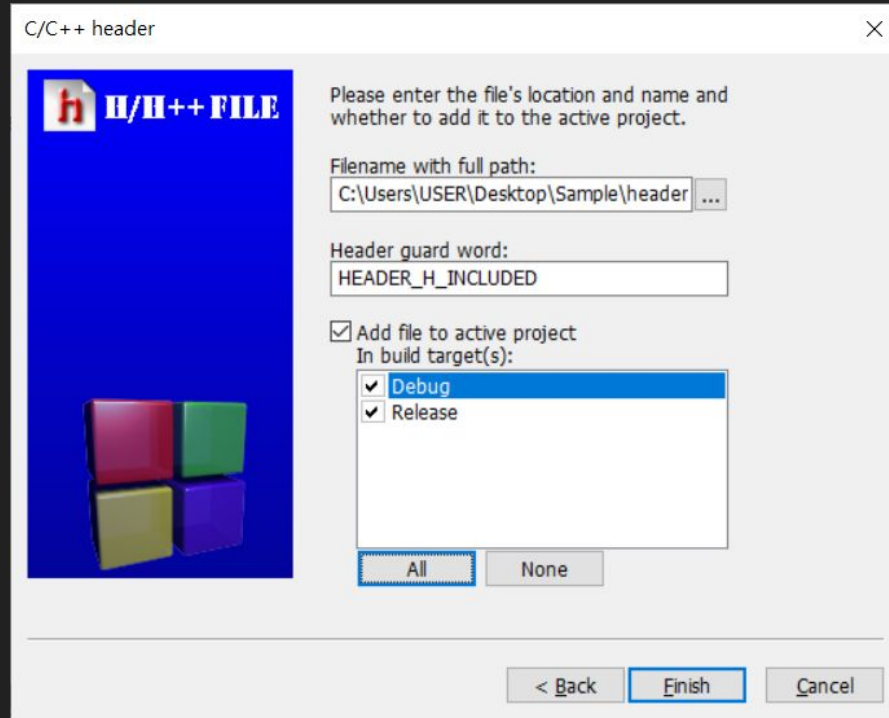
< Back Finish Cancel

Select

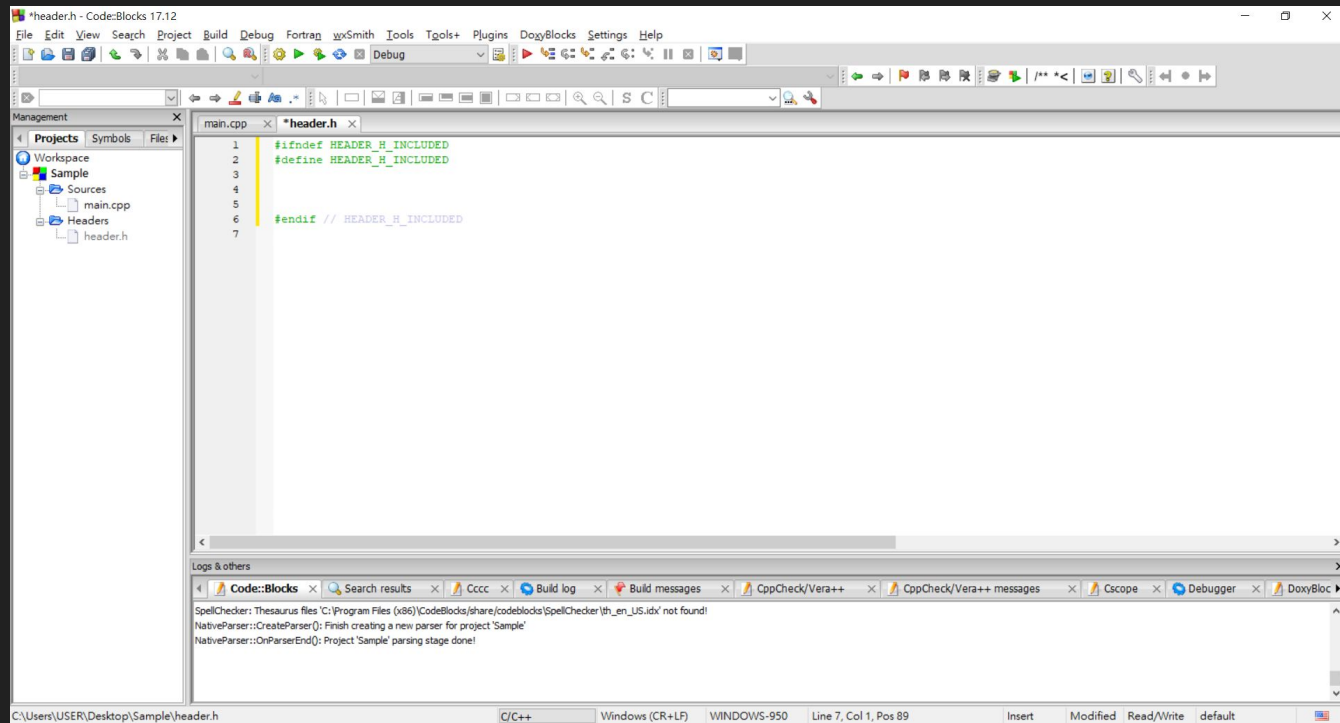
Debug

Release

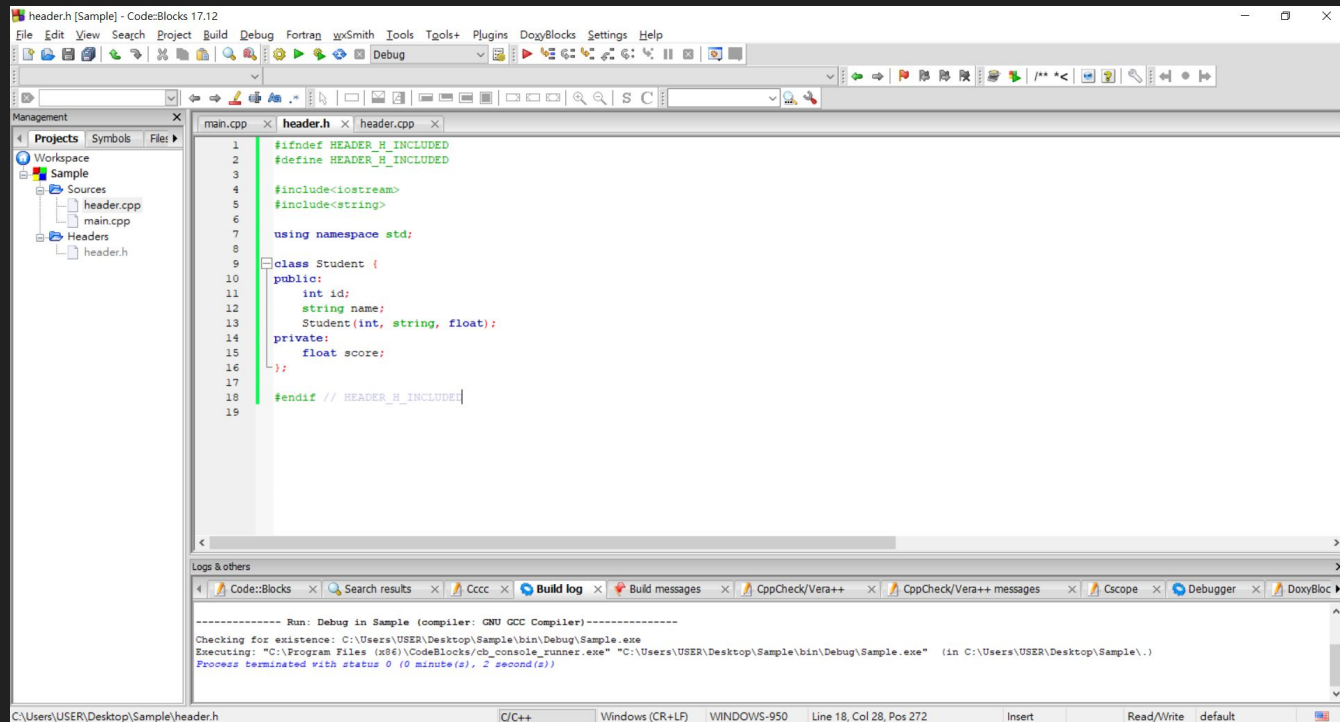
option



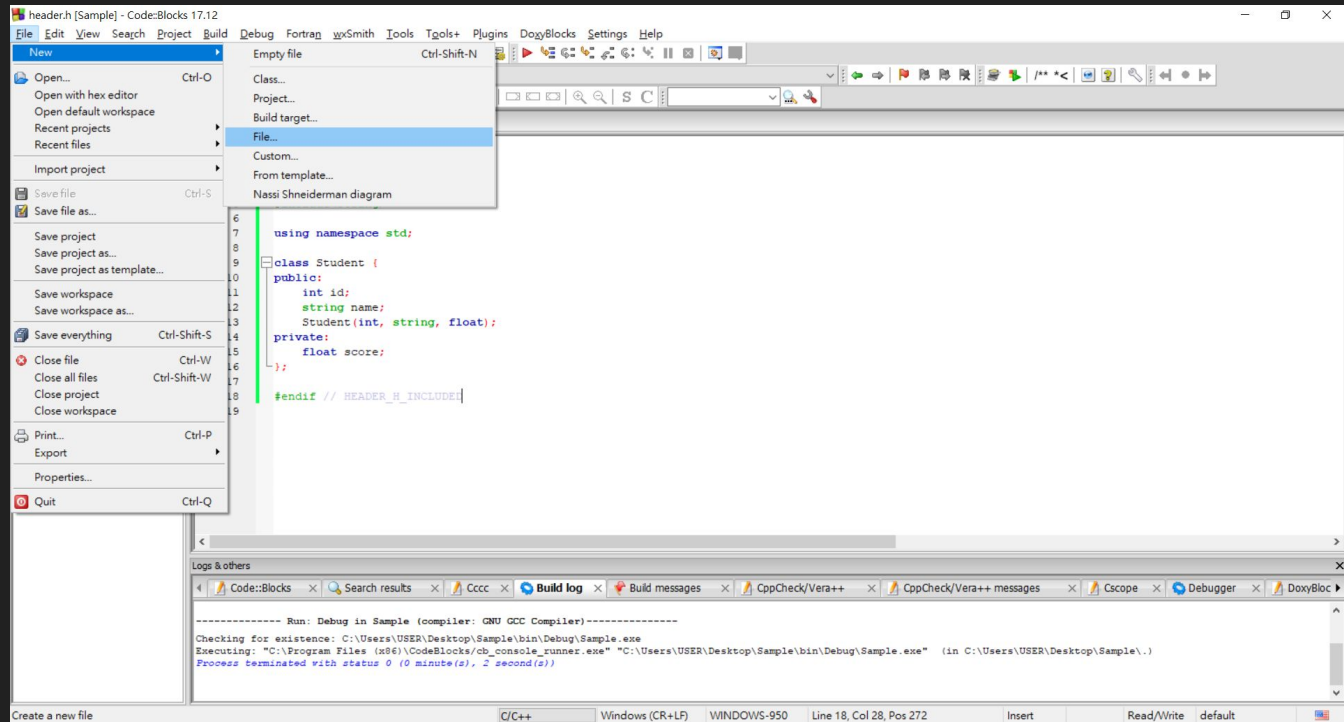
Empty header file



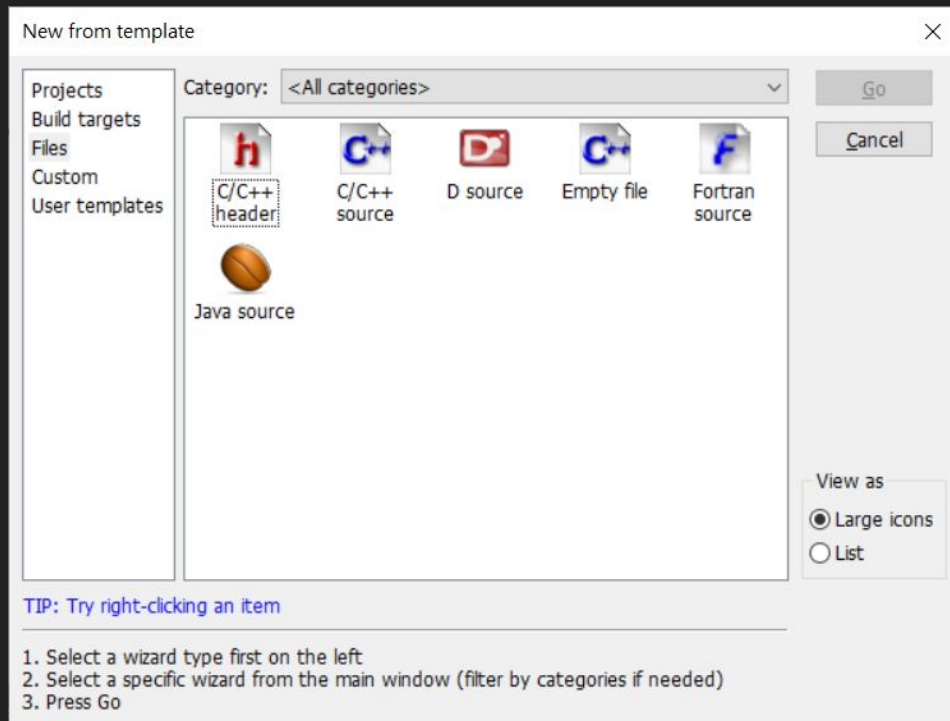
Definition here



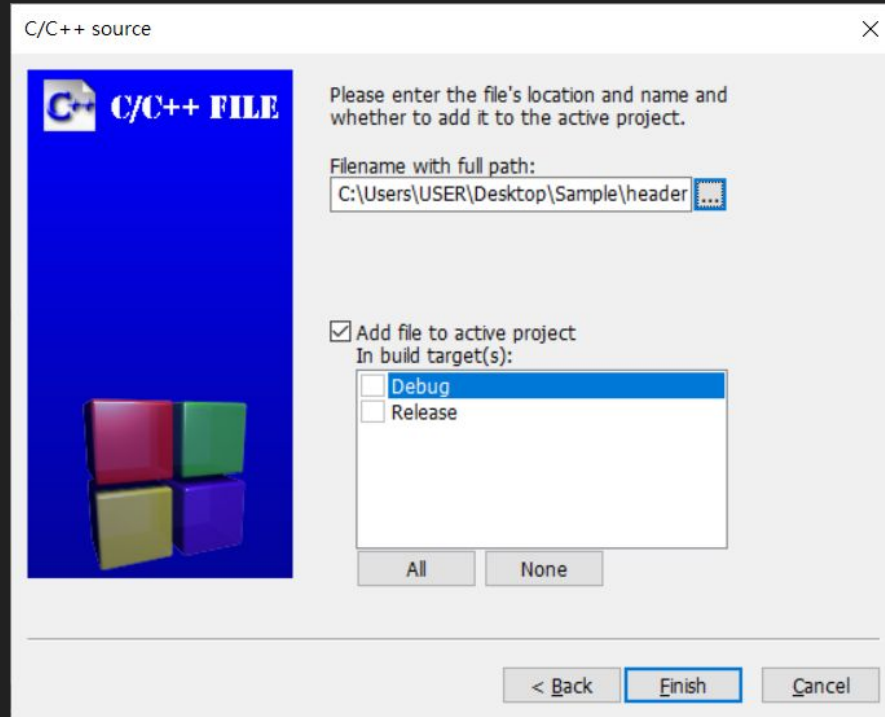
Create a new source file



Choose C/C++ source



Save the file first

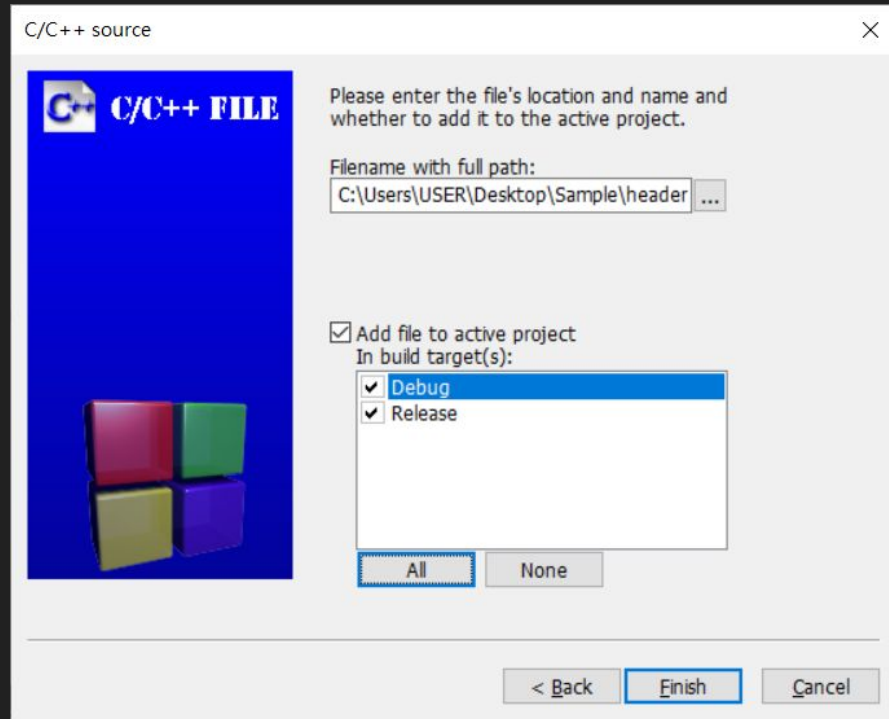


Select

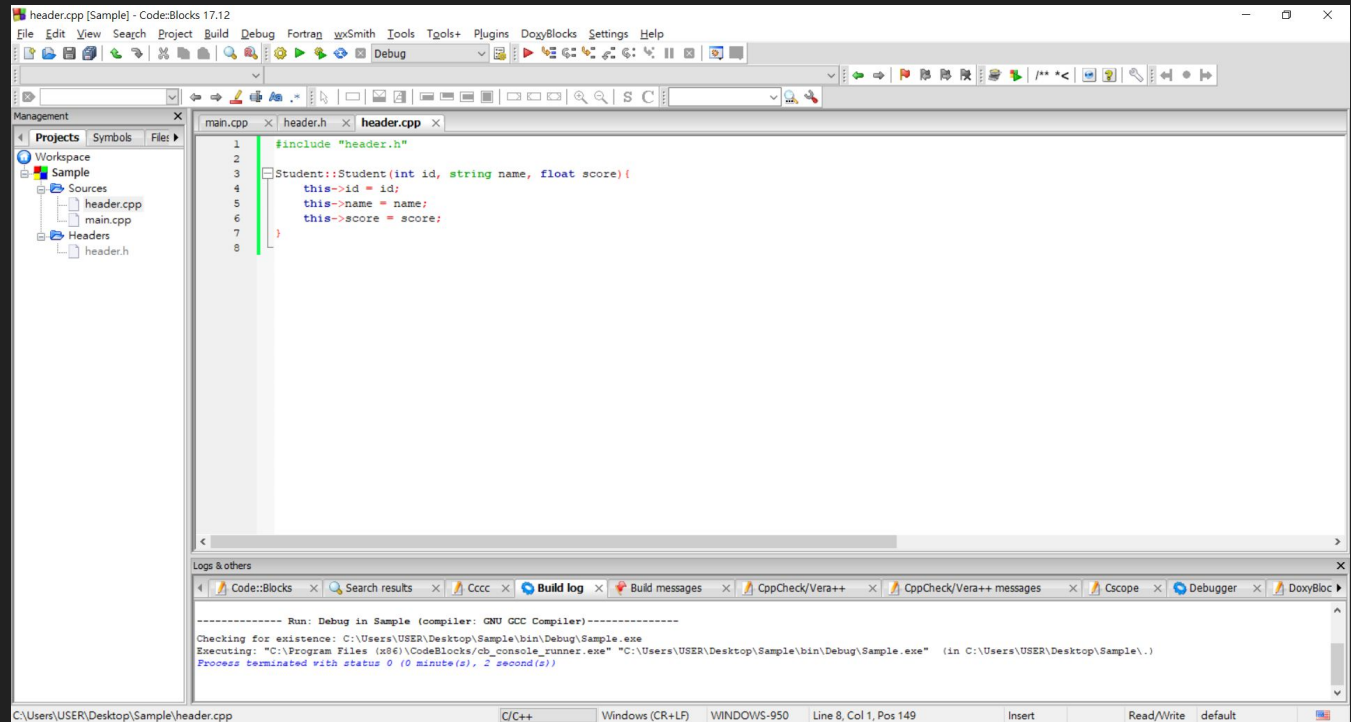
Debug

Release

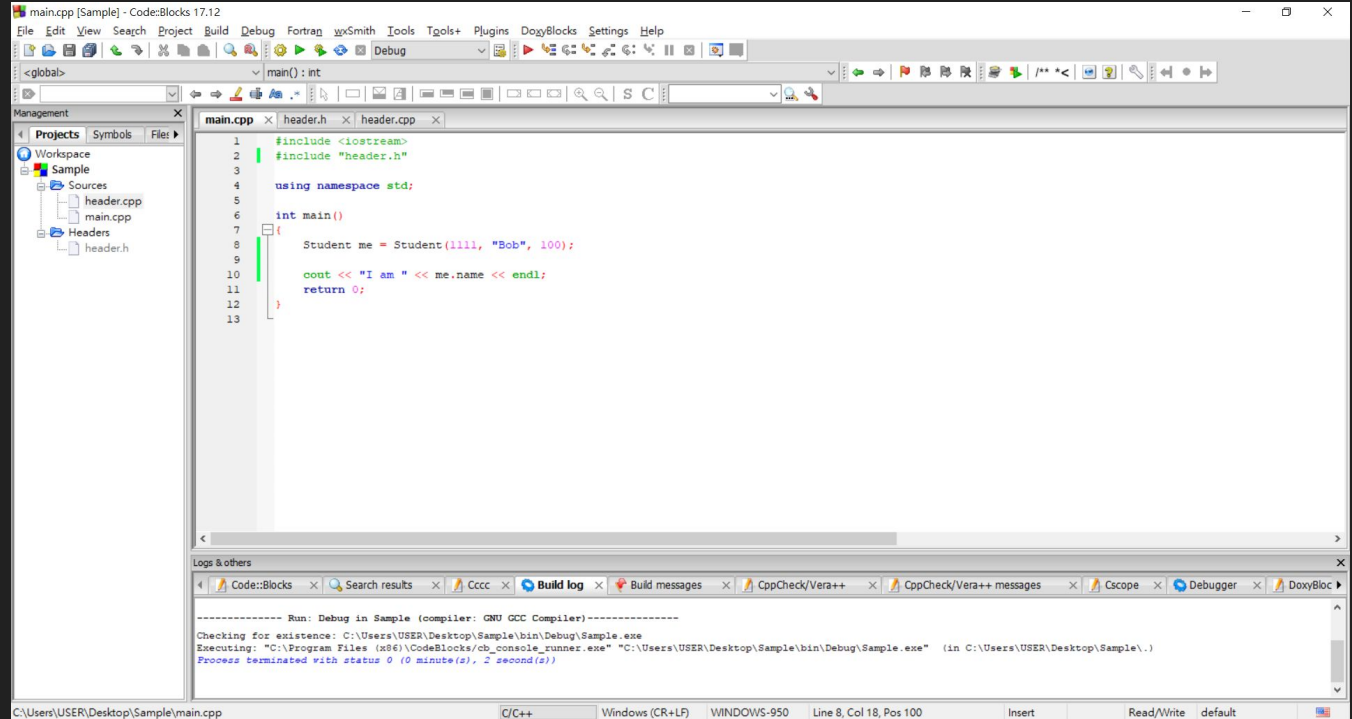
option



Complete the
definition



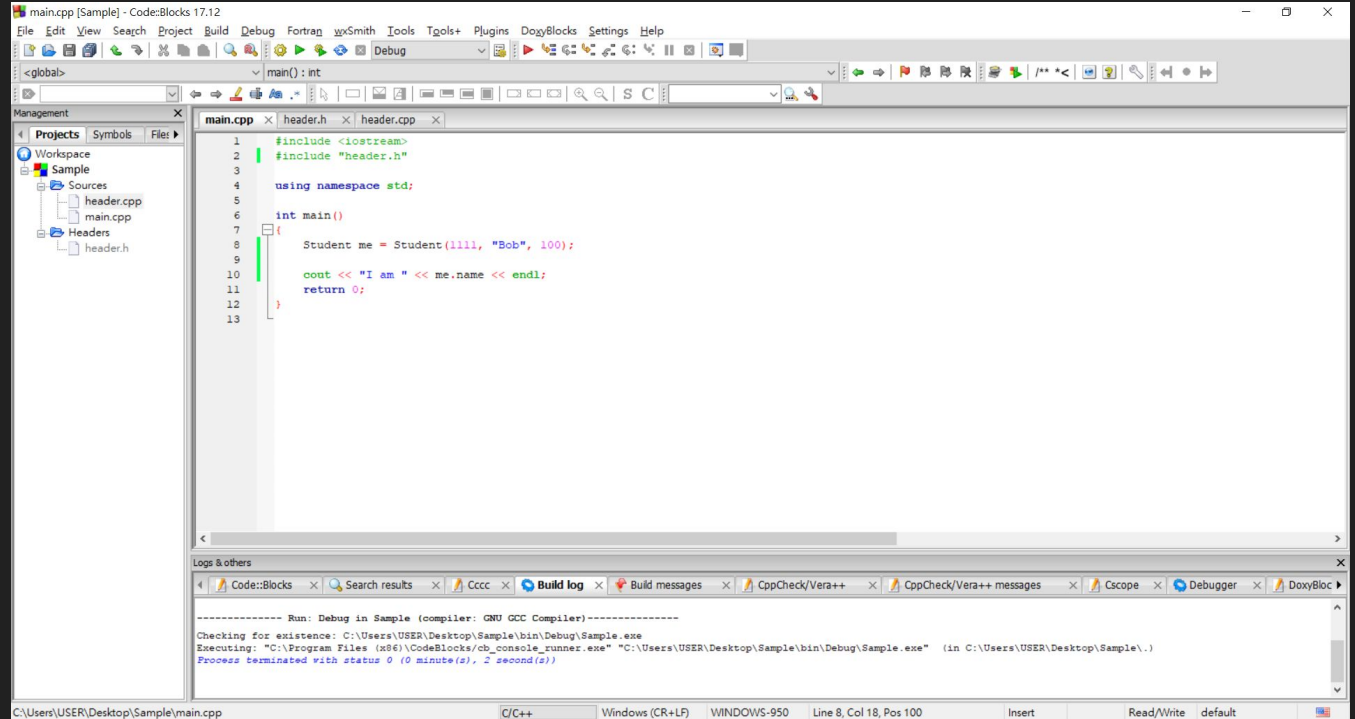
Include **header.h**
and complete the
code

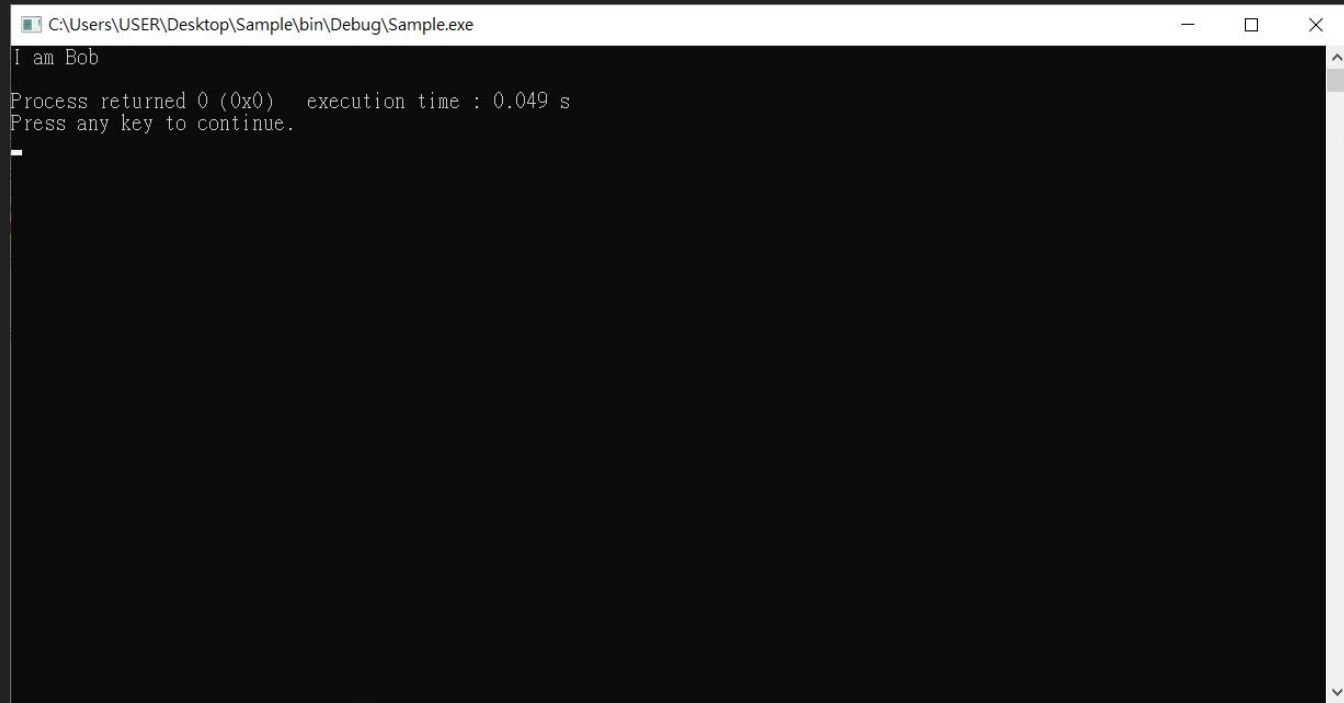


```
main.cpp [Sample] - Code::Blocks 17.12
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
main(): int
Management
Projects Symbols Files
Workspace
Sample
Sources
header.cpp
main.cpp
Headers
header.h
main.cpp x header.h x header.cpp x
1 #include <iostream>
2 #include "header.h"
3
4 using namespace std;
5
6 int main()
7 {
8     Student me = Student(1111, "Bob", 100);
9
10    cout << "I am " << me.name << endl;
11    return 0;
12 }
13
Log & others
Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBloc
----- Run: Debug in Sample (compiler: GNU GCC Compiler)-----
Checking for existence: C:\Users\USER\Desktop\Sample\bin\Debug\Sample.exe
Executing: "C:\Program Files (x86)\CodeBlocks\cb_console_runner.exe" "C:\Users\USER\Desktop\Sample\bin\Debug\Sample.exe" (in C:\Users\USER\Desktop\Sample\.)
Process terminated with status 0 (0 minute(s), 2 second(s))
C:\Users\USER\Desktop\Sample\main.cpp C/C++ Windows (CR+LF) WINDOWS-950 Line 8, Col 18, Pos 100 Insert Read/Write default
```

Click

Build & Run





A screenshot of a Windows command prompt window. The title bar at the top shows the file path "C:\Users\USER\Desktop\Sample\bin\Debug\Sample.exe" and standard window controls (minimize, maximize, close). The command prompt area has a black background with white text. The first line of output is "I am Bob". The second line is "Process returned 0 (0x0) execution time : 0.049 s". The third line is "Press any key to continue.". A small white cursor is visible on the line "Press any key to continue.". A vertical scrollbar is on the right side of the window.

```
C:\Users\USER\Desktop\Sample\bin\Debug\Sample.exe
I am Bob
Process returned 0 (0x0) execution time : 0.049 s
Press any key to continue.
```