Eclipse for C++ Installation and Creating Hello World Program

2/17/22

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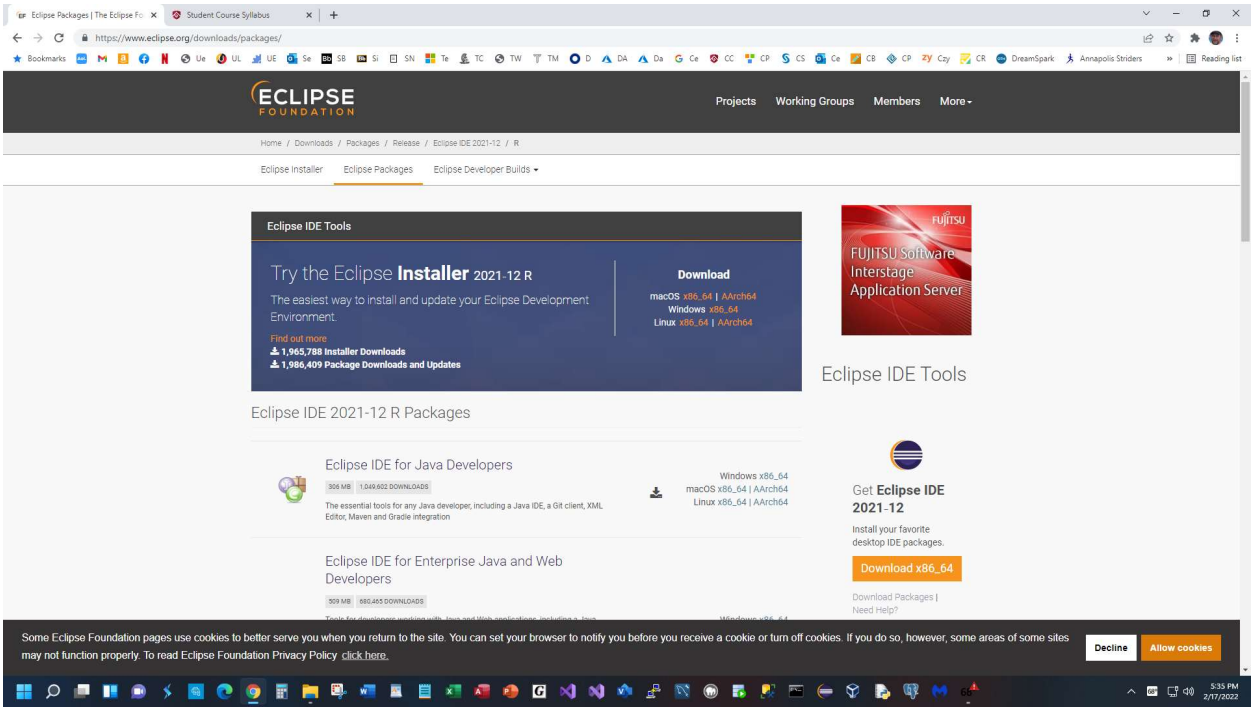

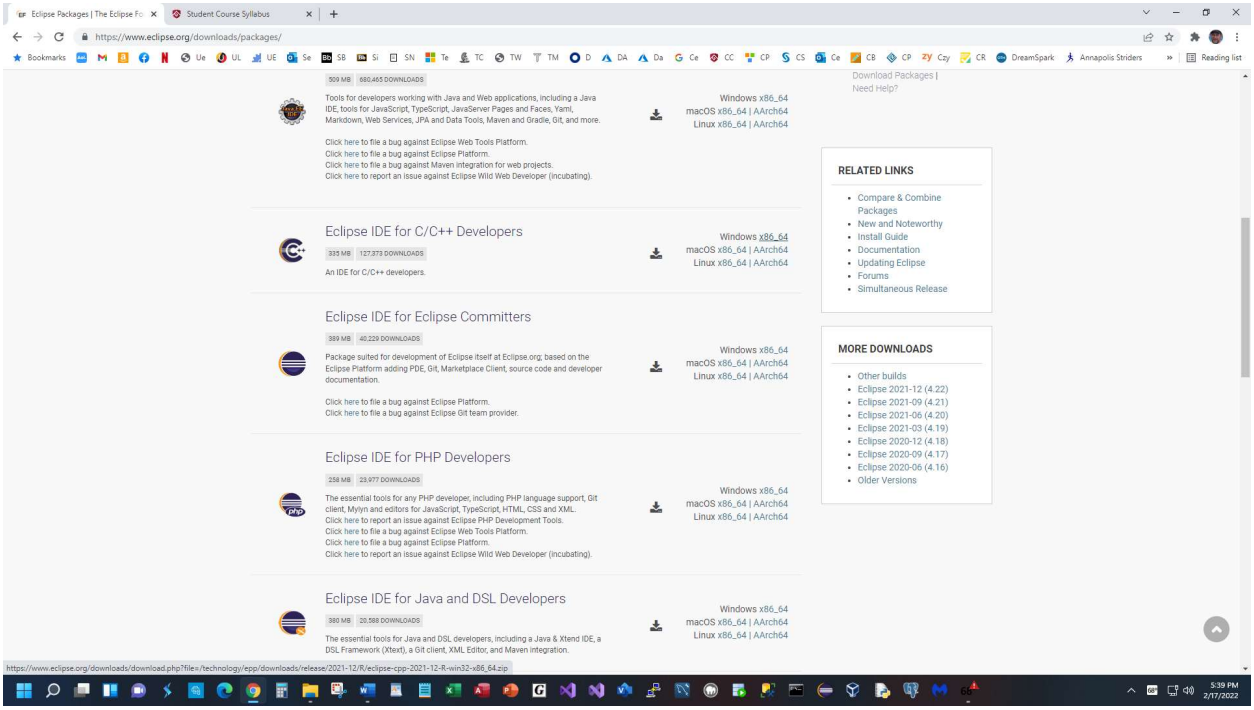

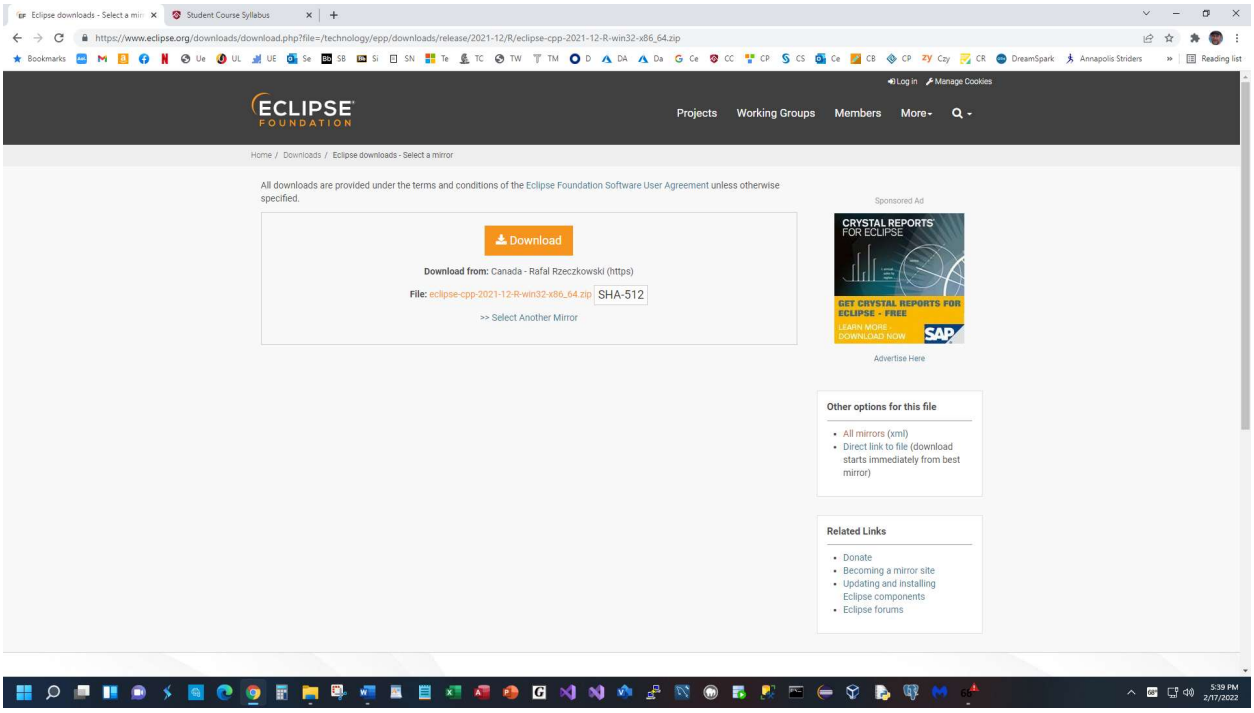
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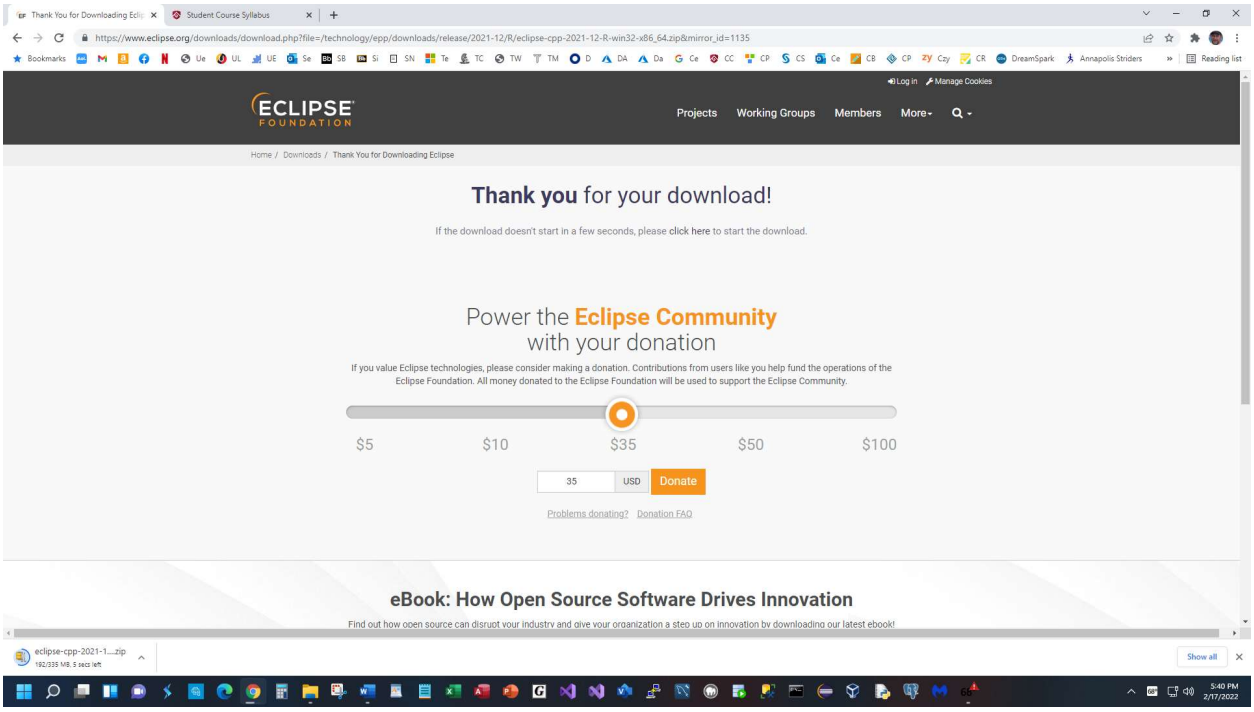
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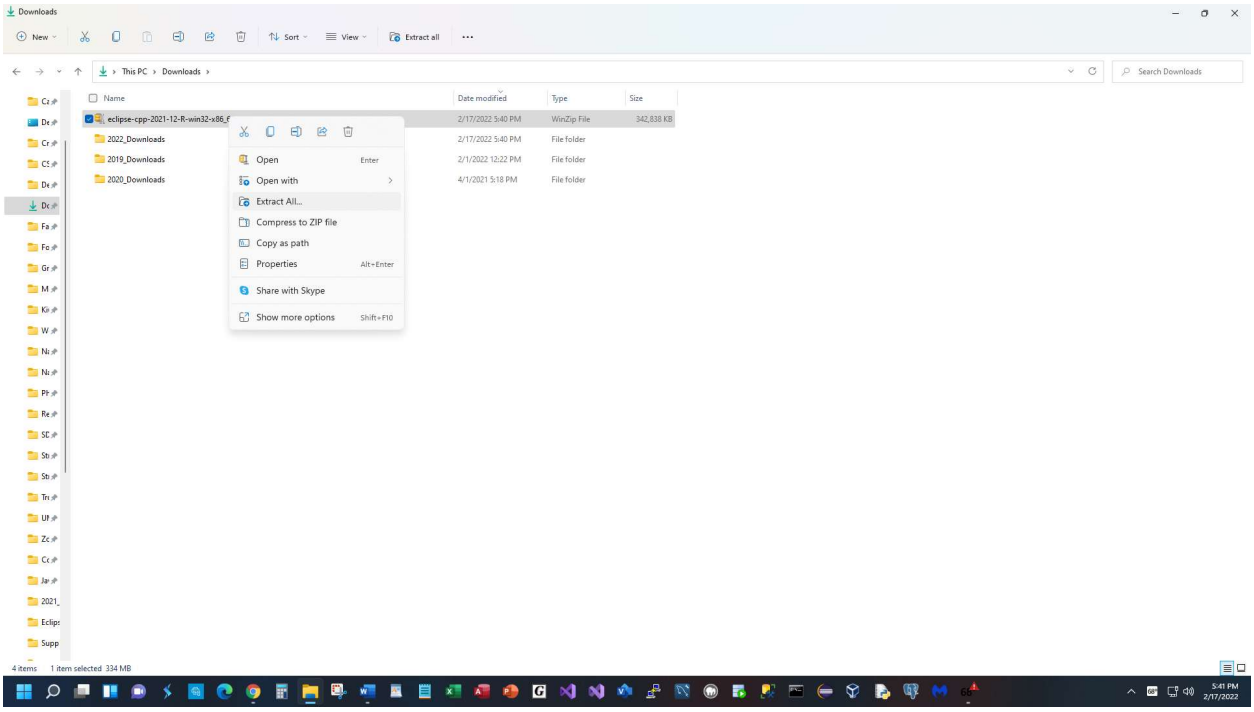
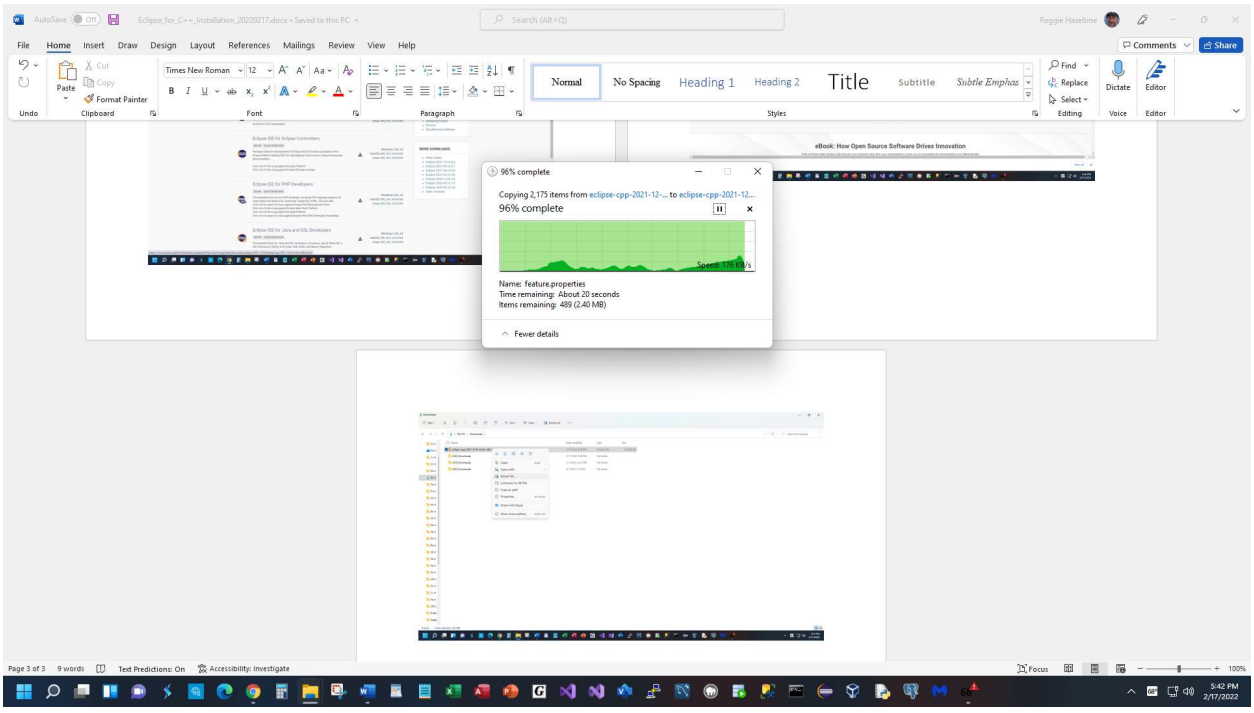
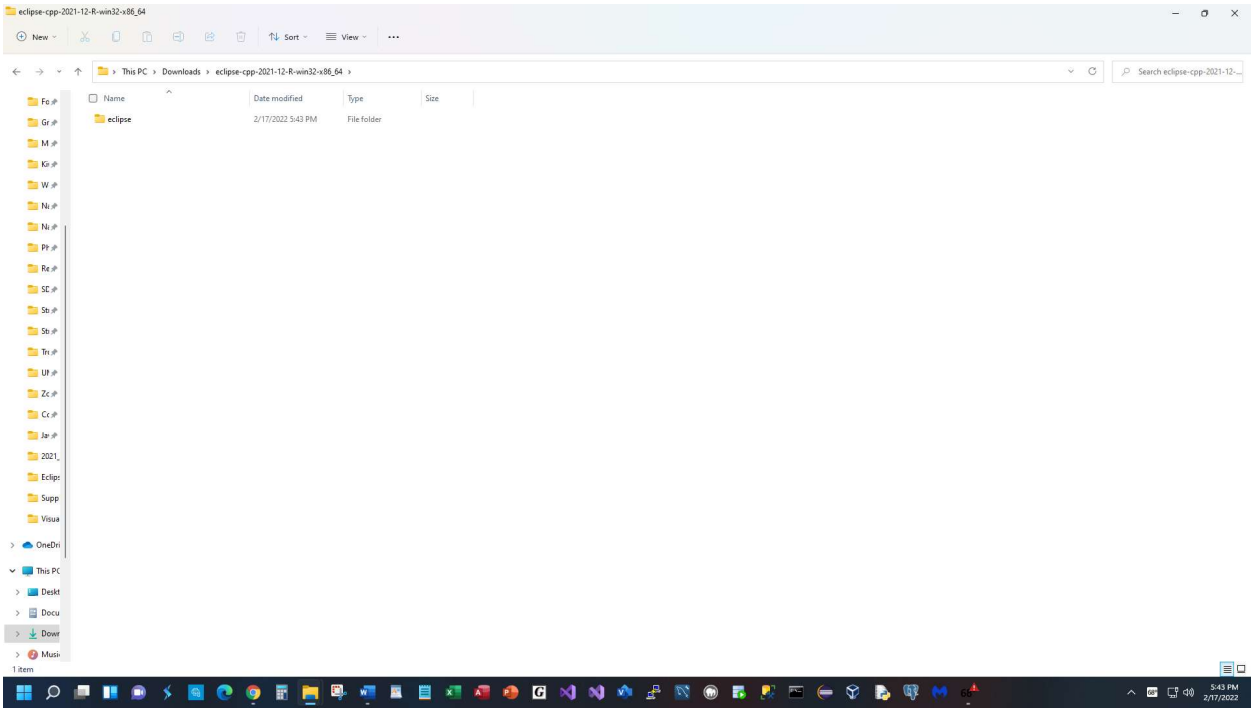
Download Eclipse and unzip all files to c:\Eclipse\C++



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View
This PC › Downloads › eclipse-cpp-2021-12-R-win32-x86_64 ›
Search eclipse-cpp-2021-12-...
Name
Date modified
Type
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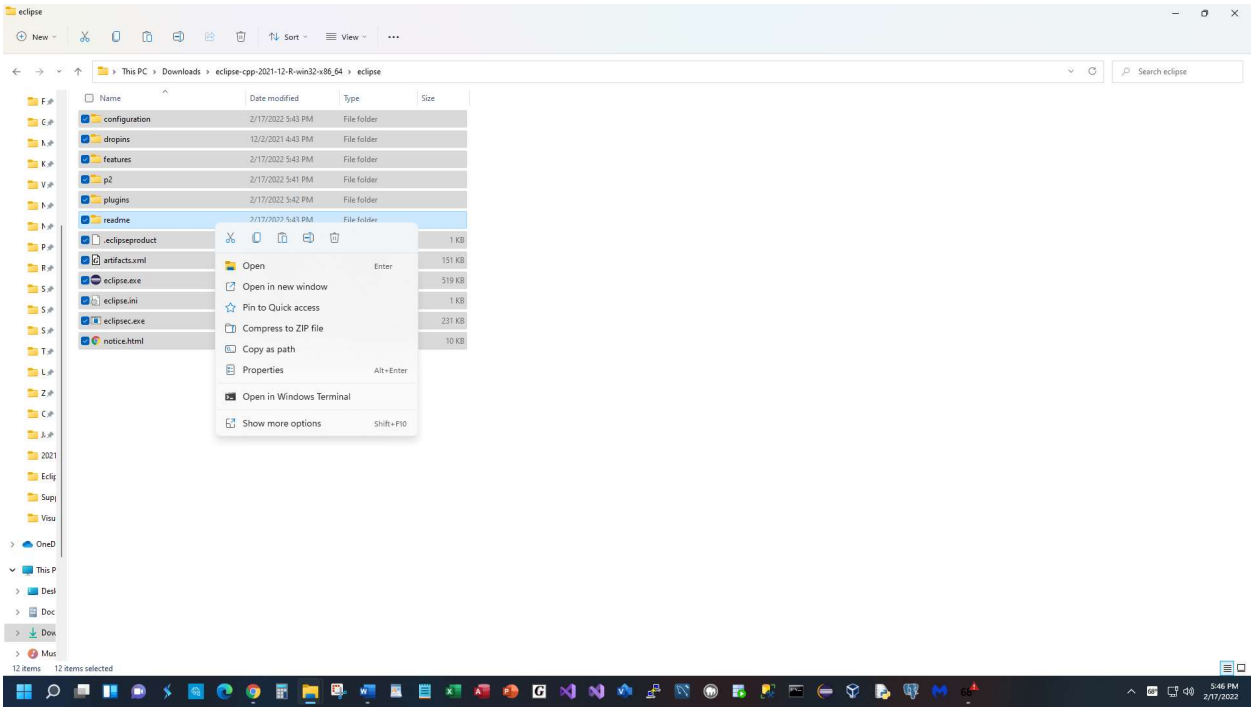
eclipse
2/17/2022 5:43 PM
File folder
1 item
5:43 PM
2/17/2022


eclipse
New
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This PC › Downloads › eclipse-cpp-2021-12-R-win32-x86_64 › eclipse
Search eclipse
Name
Date modified
Type
Size
configuration
2/17/2022 5:43 PM
File folder
dropins
12/2/2021 4:43 PM
File folder
features
2/17/2022 5:43 PM
File folder
p2
2/17/2022 5:41 PM
File folder
plugins
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File folder
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.eclipseproduct
1 KB
artifacts.xml
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eclipse.exe
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eclipse.ini
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10 KB
Open
Enter
Open in new window
Pin to Quick access
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Properties
Alt+Enter
Open in Windows Terminal
Show more options
Shift+F10
12 items
12 items selected
5:46 PM
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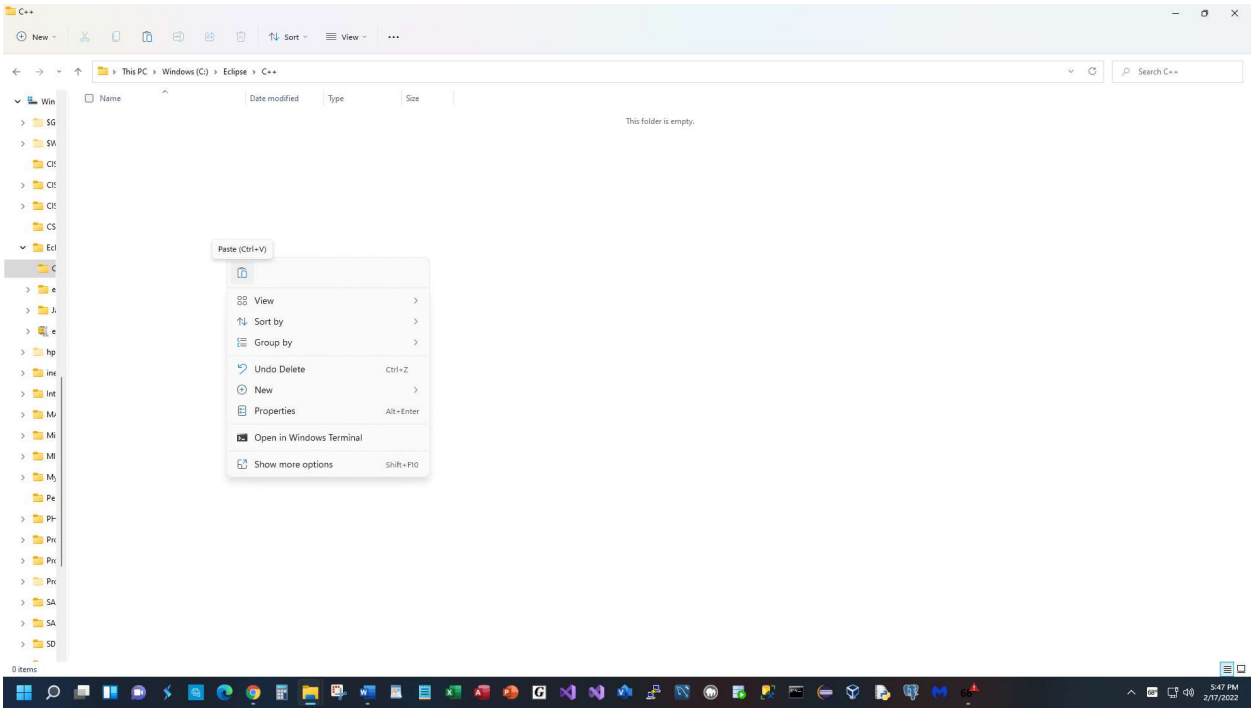
C++
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View
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Search C++
Name
Date modified
Type
Size
This folder is empty.
Paste (Ctrl+V)
View
Sort by
Group by
Undo Delete Ctrl+Z
New
Properties Alt+Enter
Open in Windows Terminal
Show more options Shift+F10
0 items
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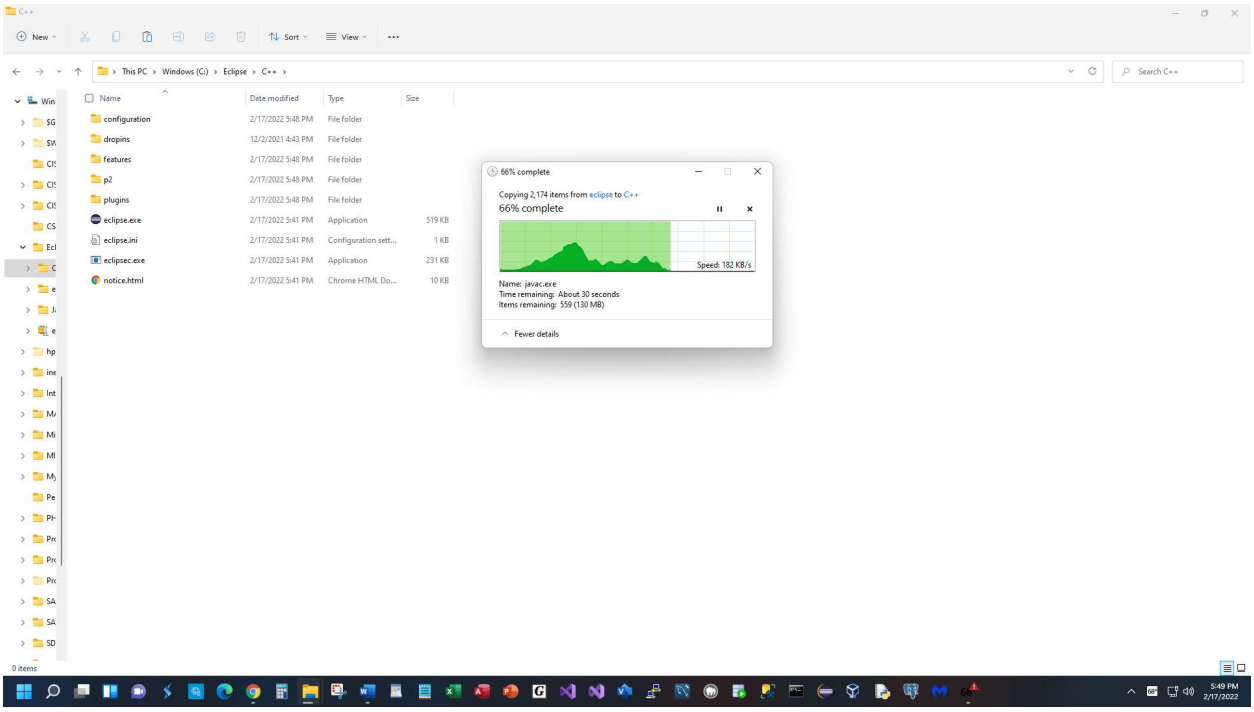
C++
New
Sort
View
This PC › Windows (C:) › Eclipse › C++ ›
Search C++
Name
Date modified
Type
Size
configuration 2/17/2022 5:48 PM File folder
dropins 12/2/2021 4:43 PM File folder
features 2/17/2022 5:48 PM File folder
p2 2/17/2022 5:48 PM File folder
plugins 2/17/2022 5:48 PM File folder
eclipse.exe 2/17/2022 5:41 PM Application 519 KB
eclipse.ini 2/17/2022 5:41 PM Configuration sett... 1 KB
eclipsec.exe 2/17/2022 5:41 PM Application 231 KB
notice.html 2/17/2022 5:41 PM Chrome HTML Do... 10 KB
66% complete
Copying 2,174 items from eclipse to C++
66% complete
Speed: 182 KB/s
Name: javac.exe
Time remaining: About 30 seconds
Items remaining: 559 (130 MB)
Fewer details
0 items
5:49 PM
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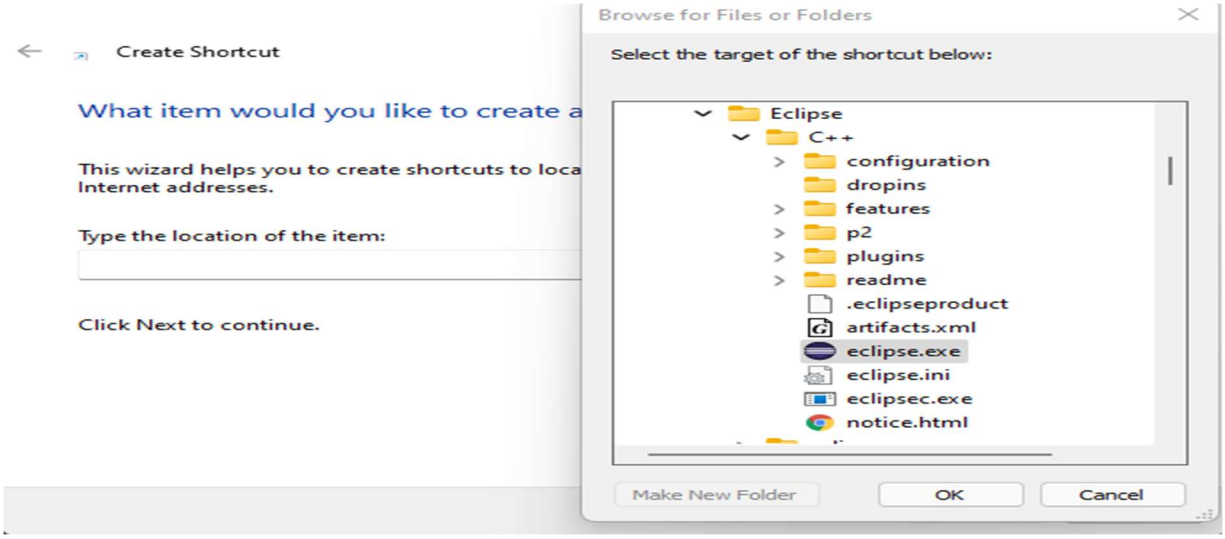
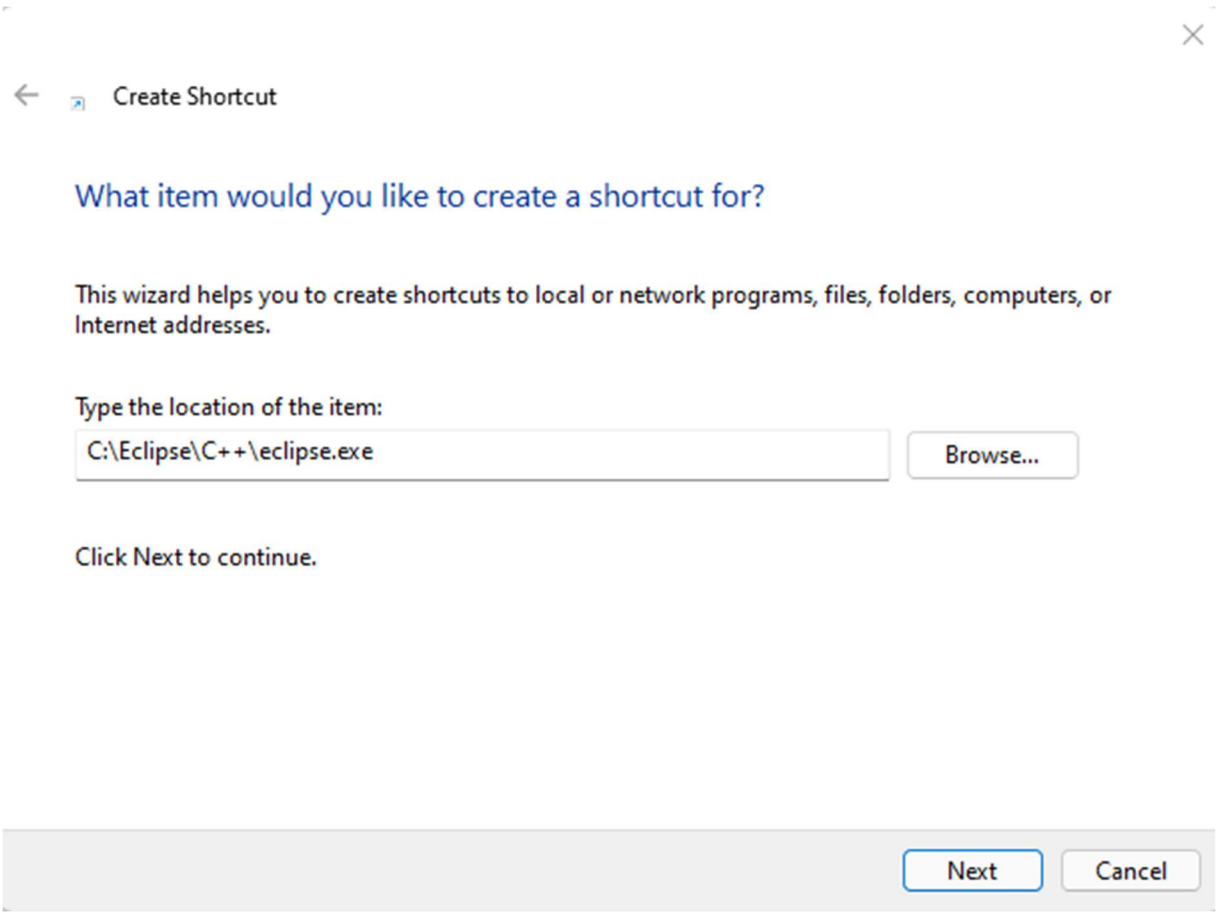
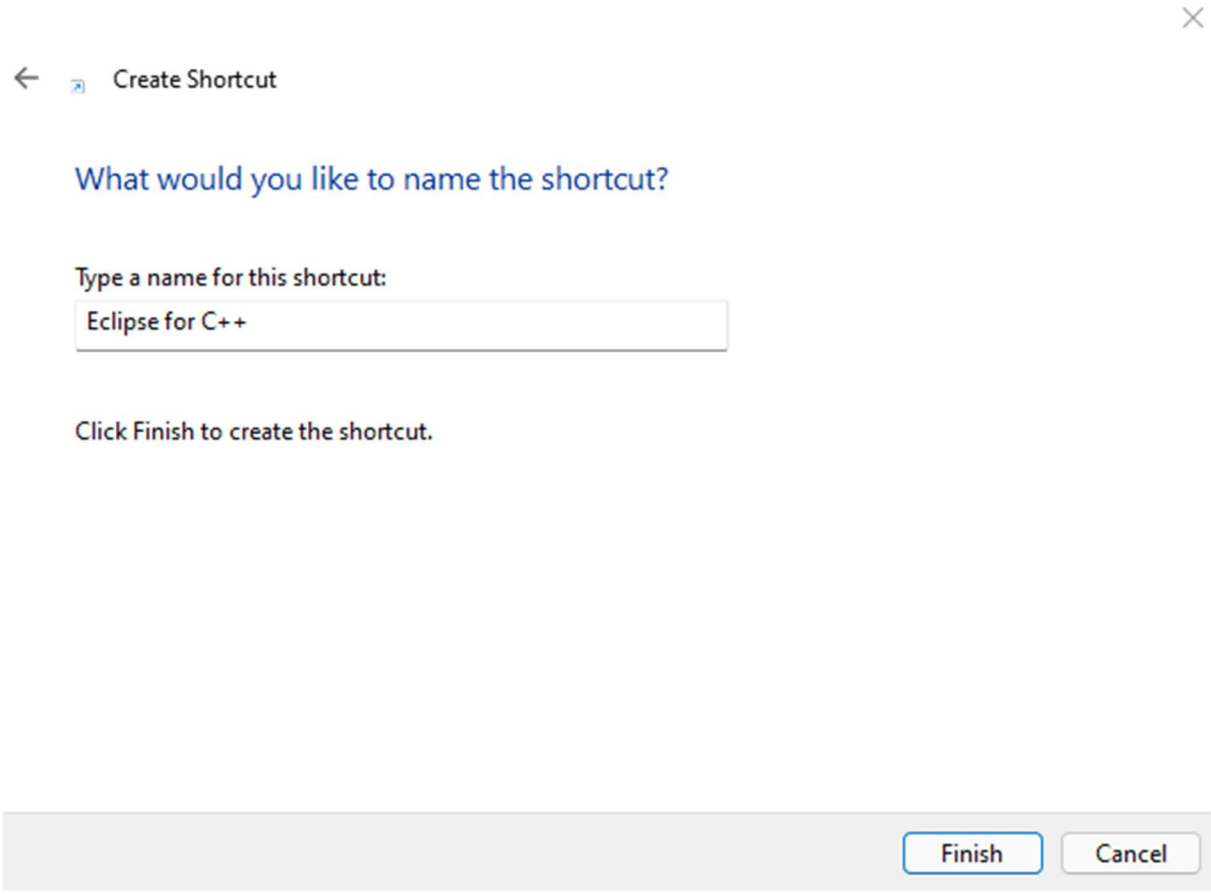
Created a shortcut to Eclipse and put on Windows taskbar for convenience





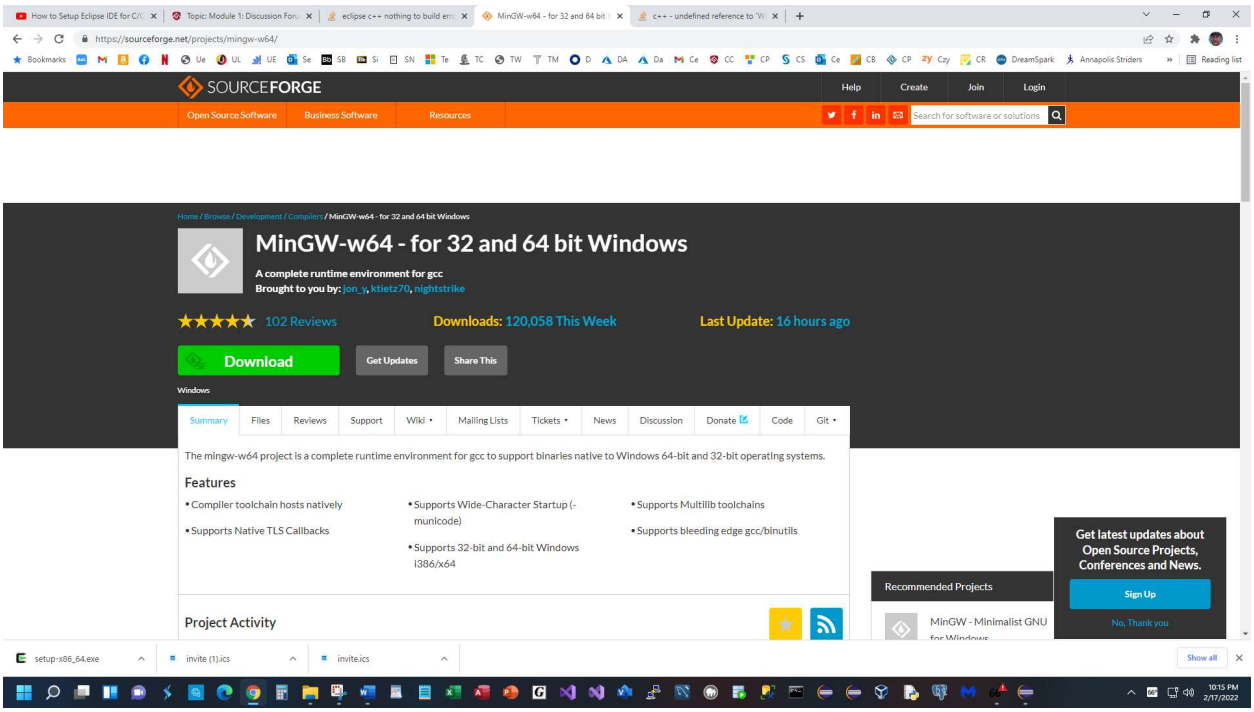

Create Shortcut
What would you like to name the shortcut?
Type a name for this shortcut:
Eclipse for C++
Click Finish to create the shortcut.
Finish
Cancel

Eclipse for C++

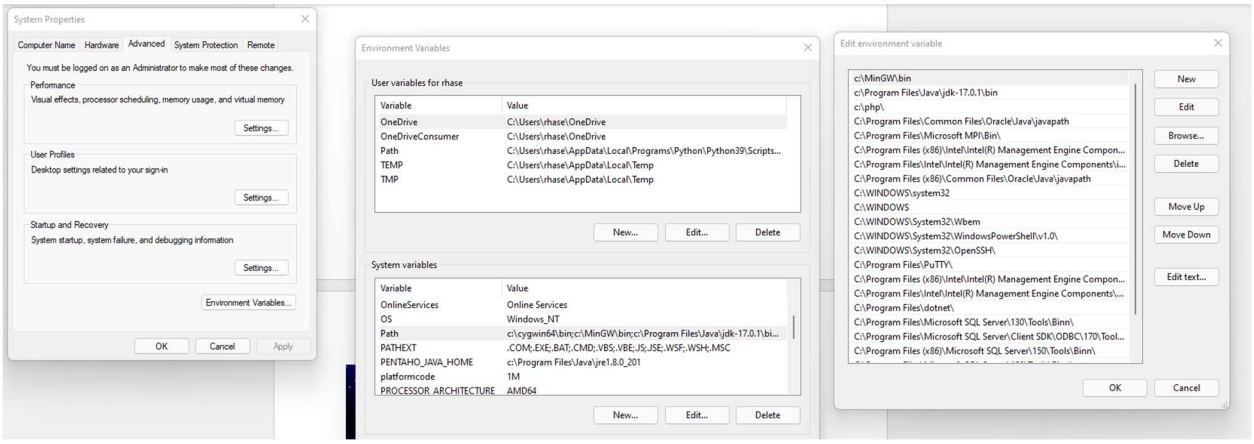
Set a default directory but later used another location

Start up Eclipse

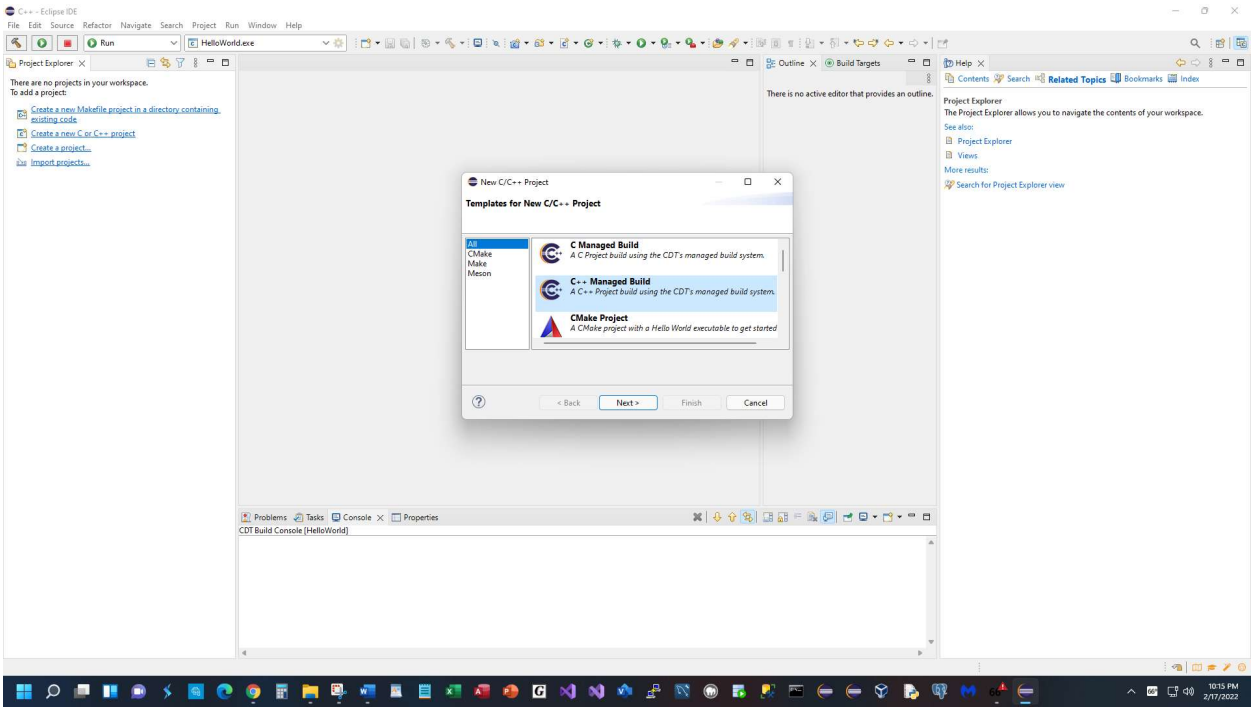
Downloaded and installed MinGW at c:\MinGW

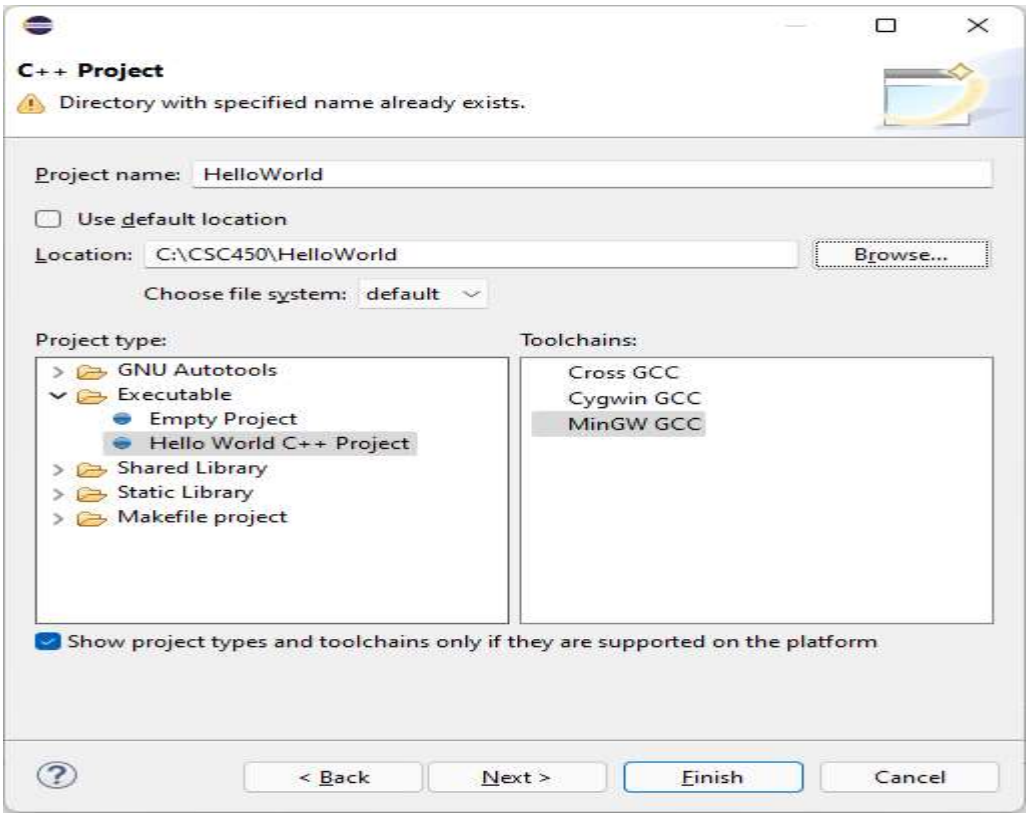


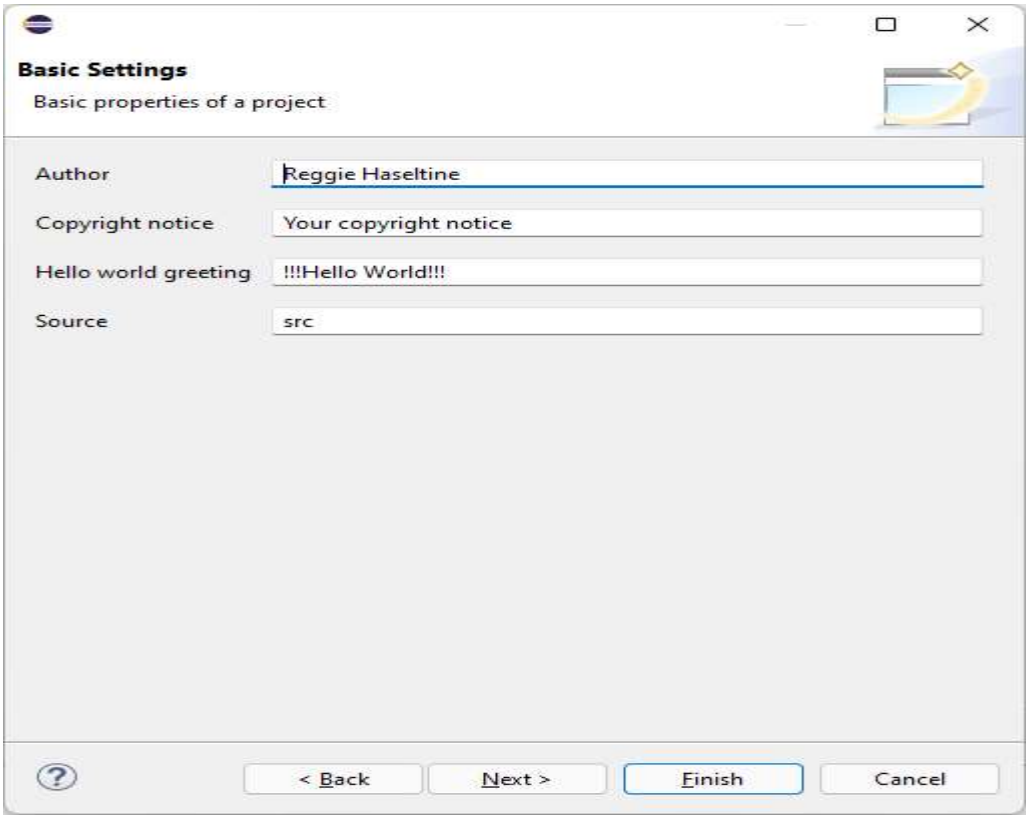
Added c:\MinGW to PATH environment variable

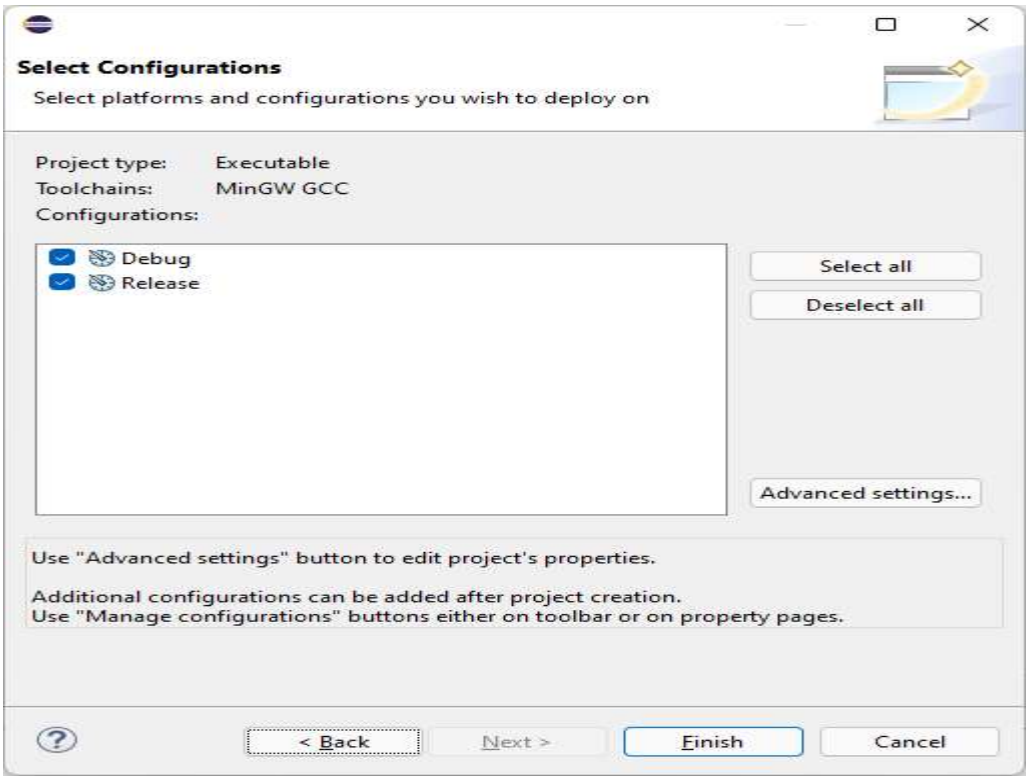


Created C++ project as Hello World to have all directories and files set up correctly

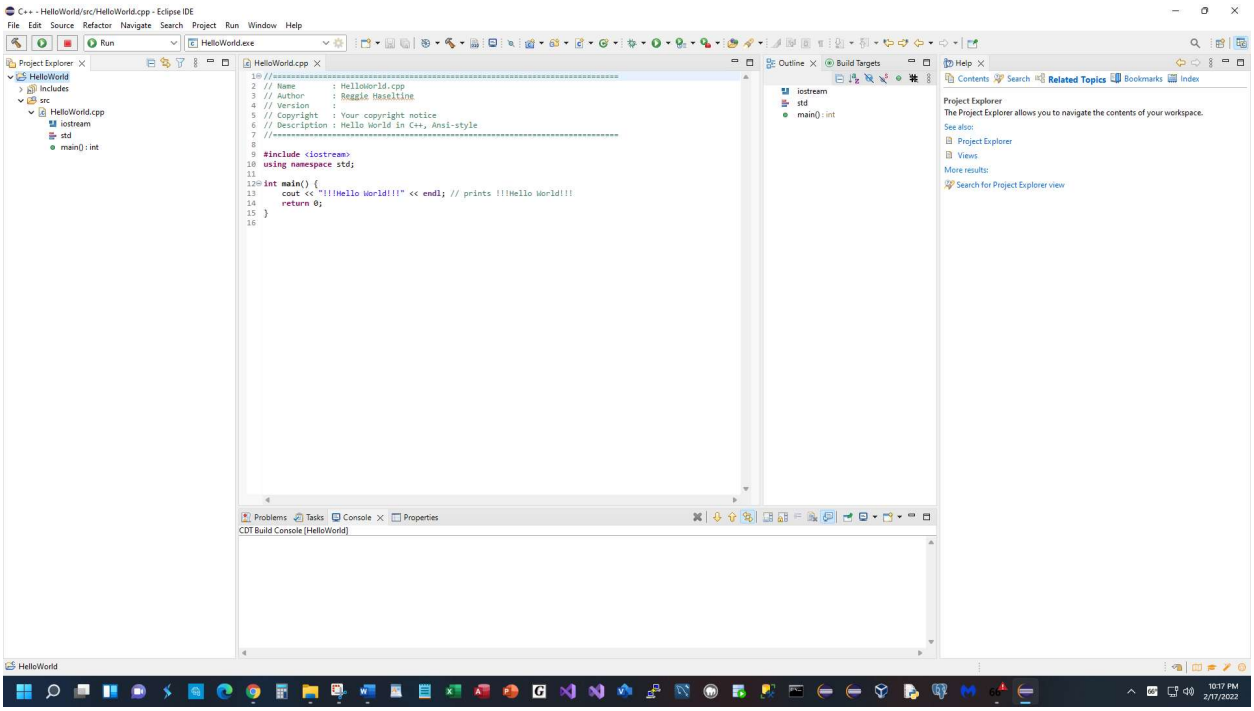


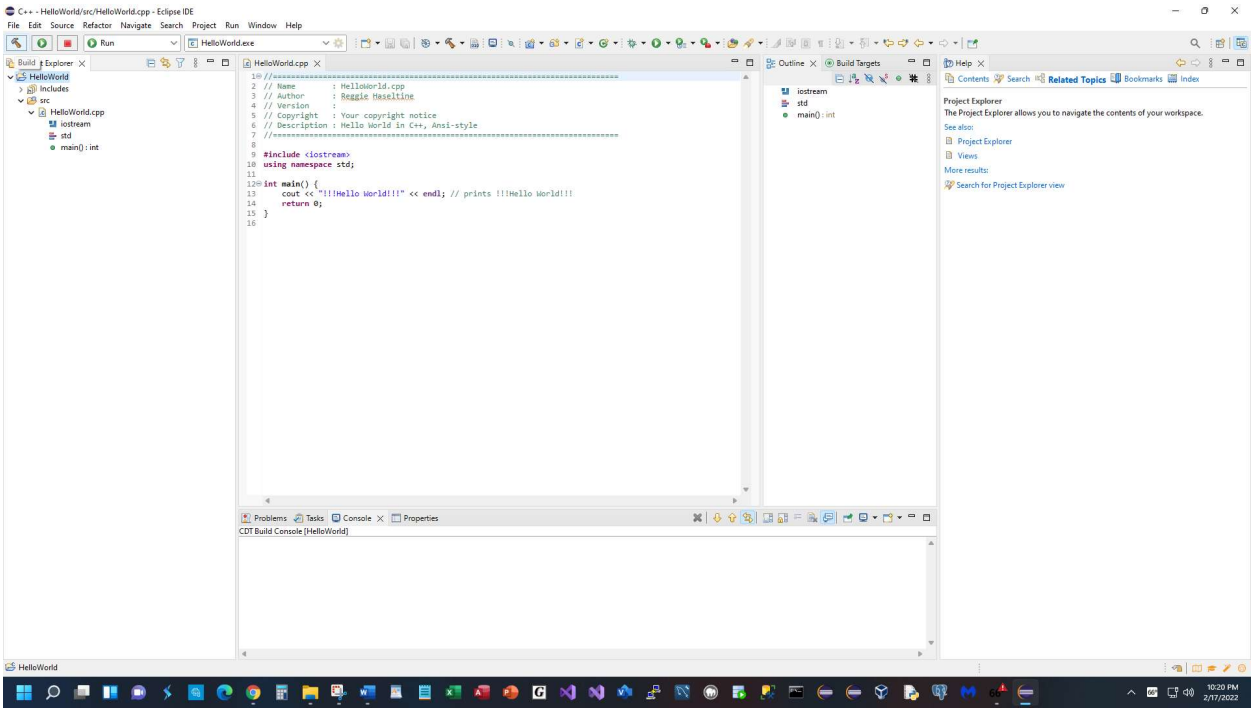

C++ Project
Directory with specified name already exists.
Project name: HelloWorld
Use default location
Location: C:\CSC450\HelloWorld
Browse...
Choose file system: default
Project type:
GNU Autotools
Executable
Empty Project
Hello World C++ Project
Shared Library
Static Library
Makefile project
Toolchains:
Cross GCC
Cygwin GCC
MinGW GCC
Show project types and toolchains only if they are supported on the platform
< Back
Next >
Finish
Cancel

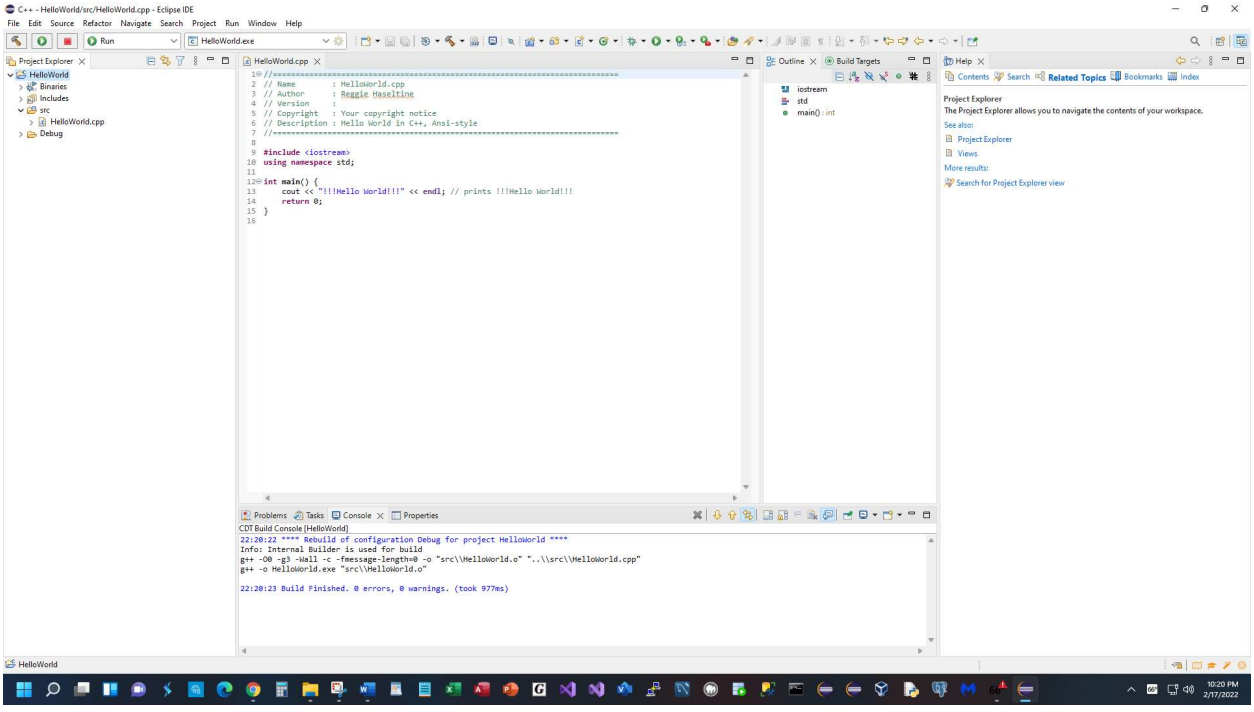

Basic Settings
Basic properties of a project
Author
Reggie Haseltine
Copyright notice
Your copyright notice
Hello world greeting
!!!Hello World!!!
Source
src
< Back
Next >
Finish
Cancel

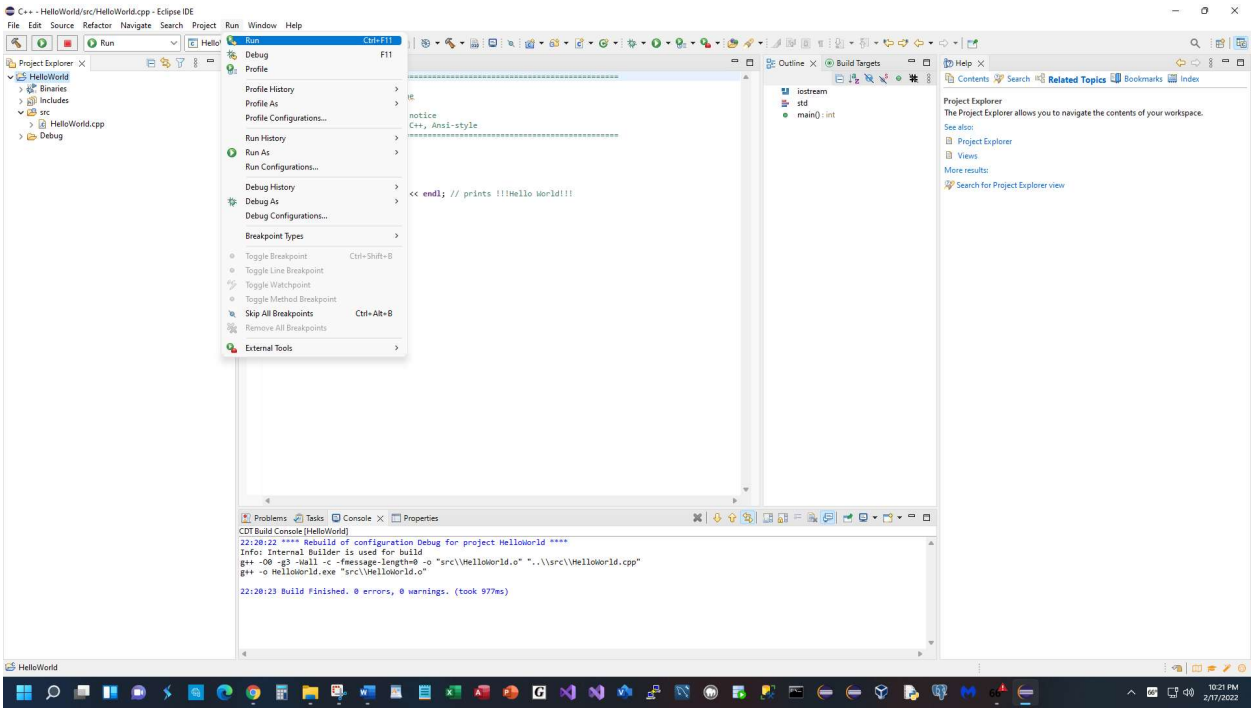


Build and then Run

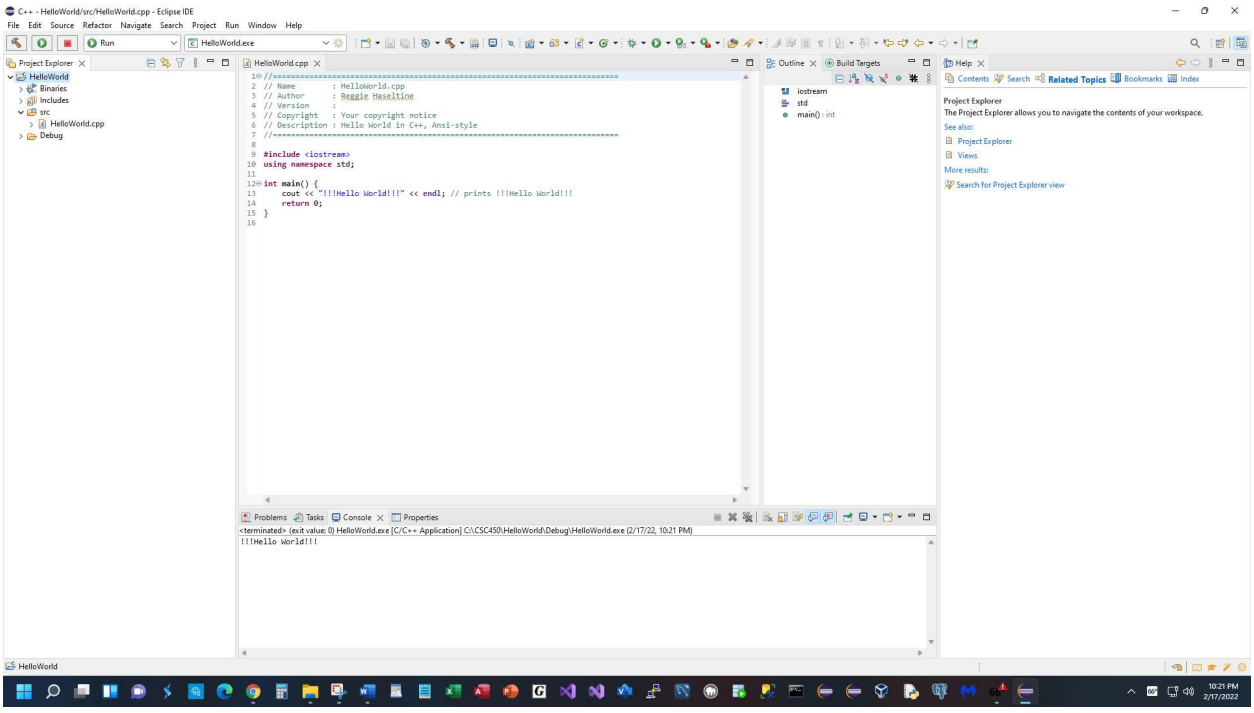



C++ - HelloWorld/src/HelloWorld.cpp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Run
HelloWorld.exe
Build Explorer
HelloWorld
Includes
src
HelloWorld.cpp
iostream
std
main() : int
HelloWorld.cpp
// Name : HelloWorld.cpp
// Author : Reggie Haseltine
// Version :
// Copyright : Your copyright notice
// Description : Hello World in C++, Ansi-style
#include <iostream>
using namespace std;
int main() {
cout << "!!!Hello World!!!" << endl; // prints !!!Hello World!!!
return 0;
}
Outline
Build Targets
iostream
std
main() : int
Help
Contents Search Related Topics Bookmarks Index
Project Explorer
The Project Explorer allows you to navigate the contents of your workspace.
See also:
Project Explorer
Views
More results:
Search for Project Explorer view
Problems Tasks Console Properties
CDT Build Console [HelloWorld]
HelloWorld
10:20 PM
2/17/2022


C++ - HelloWorld/src/HelloWorld.cpp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Run
HelloWorld.exe
Project Explorer
HelloWorld
Binaries
Includes
src
HelloWorld.cpp
Debug
HelloWorld.cpp
// Name : HelloWorld.cpp
// Author : Reggie Haseltine
// Version :
// Copyright : Your copyright notice
// Description : Hello World in C++, Ansi-style
#include <iostream>
using namespace std;
int main() {
cout << "!!!Hello World!!!" << endl; // prints !!!Hello World!!!
return 0;
}
Outline
Build Targets
iostream
std
main() : int
Help
Contents Search Related Topics Bookmarks Index
Project Explorer
The Project Explorer allows you to navigate the contents of your workspace.
See also:
Project Explorer
Views
More results:
Search for Project Explorer view
Problems Tasks Console Properties
CDT Build Console [HelloWorld]
22:20:22 **** Rebuild of configuration Debug for project HelloWorld ****
Info: Internal Builder is used for build
g++ -O0 -g3 -Wall -c -fmessage-length=0 -o "src\\HelloWorld.o" "..\\src\\HelloWorld.cpp"
g++ -o HelloWorld.exe "src\\HelloWorld.o"
22:20:23 Build Finished. 0 errors, 0 warnings. (took 977ms)
HelloWorld
10:20 PM
2/17/2022



Output shown in console



You can then create other projects with different names using the Hello World template and just modify the code as needed