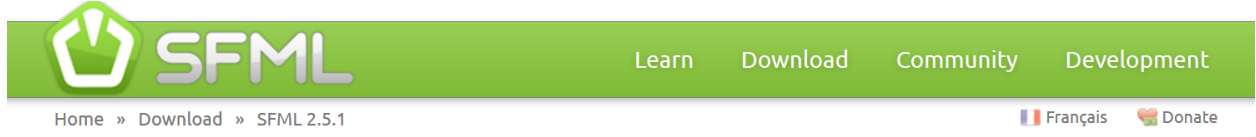


MinGW install

DO THIS AFTER YOU HAVE INSTALLED GEANY

1. Follow this link (<https://www.sfml-dev.org/download/sfml/2.5.1/>) and click the link in the beige box labelled MinGWBuilds 7.3.0 (32-bit)

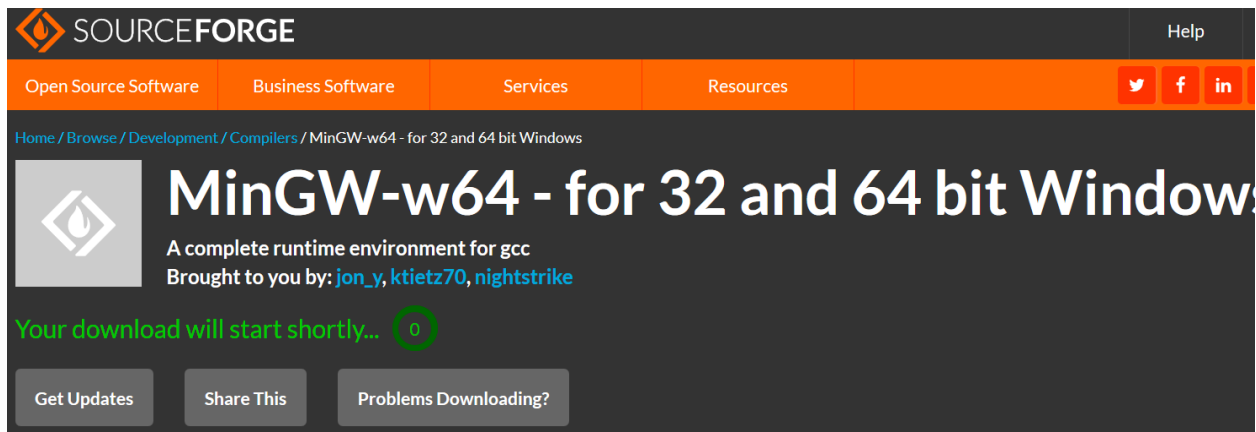


Download SFML 2.5.1

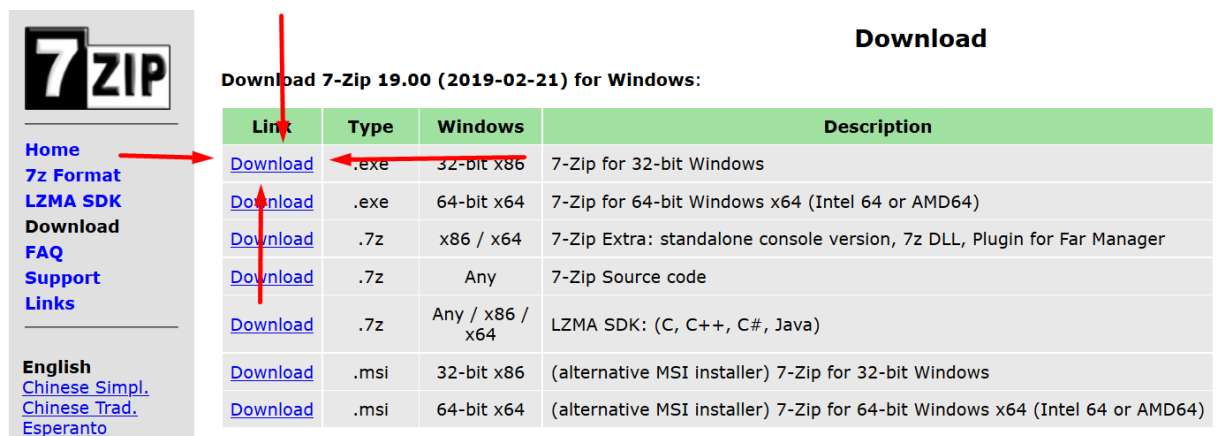
On Windows, choosing 32 or 64-bit libraries should be based on which platform you want to compile for, not which OS you have. Indeed, you can perfectly compile and run a 32-bit program on a 64-bit Windows. So you'll most likely want to target 32-bit platforms, to have the largest possible audience. Choose 64-bit packages only if you have good reasons.

The compiler versions have to match 100%!
Here are links to the specific MinGW compiler versions used to build the provided packages:
TDM 5.1.0 (32-bit), [MinGW Builds 7.3.0 \(32-bit\)](#), MinGW Builds 7.3.0 (64-bit)

2. Your download will start

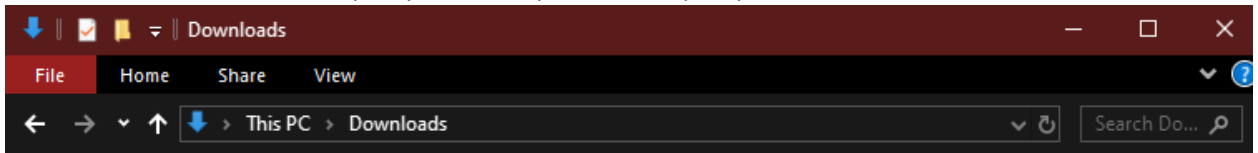
The image shows the SourceForge project page for MinGW-w64. The header includes the SourceForge logo and navigation links for 'Open Source Software', 'Business Software', 'Services', and 'Resources'. The main heading is 'MinGW-w64 - for 32 and 64 bit Windows'. Below the heading, it says 'A complete runtime environment for gcc' and 'Brought to you by: jon_y, ktietz70, nightstrike'. A green progress bar indicates 'Your download will start shortly...' with a circular icon showing '0'. At the bottom, there are buttons for 'Get Updates', 'Share This', and 'Problems Downloading?'.

3. if you don't already have 7Zip installed follow this link(<https://www.7-zip.org/download.html>), and click on the first link labelled as download. Otherwise skip to step 6

The image shows the 7-Zip website's download page. On the left, there is a sidebar with links for 'Home', '7z Format', 'LZMA SDK', 'Download', 'FAQ', 'Support', and 'Links'. The main content area is titled 'Download 7-Zip 19.00 (2019-02-21) for Windows:'. Below this title is a table with columns for 'Link', 'Type', 'Windows', and 'Description'. A red arrow points from the 'Download' link in the sidebar to the first 'Download' link in the table. Another red arrow points from the '32-bit x86' entry in the 'Windows' column to the first 'Download' link in the table.

Link	Type	Windows	Description
Download	.exe	32-bit x86	7-Zip for 32-bit Windows
Download	.exe	64-bit x64	7-Zip for 64-bit Windows x64 (Intel 64 or AMD64)
Download	.7z	x86 / x64	7-Zip Extra: standalone console version, 7z DLL, Plugin for Far Manager
Download	.7z	Any	7-Zip Source code
Download	.7z	Any / x86 / x64	LZMA SDK: (C, C++, C#, Java)
Download	.msi	32-bit x86	(alternative MSI installer) 7-Zip for 32-bit Windows
Download	.msi	64-bit x64	(alternative MSI installer) 7-Zip for 64-bit Windows x64 (Intel 64 or AMD64)

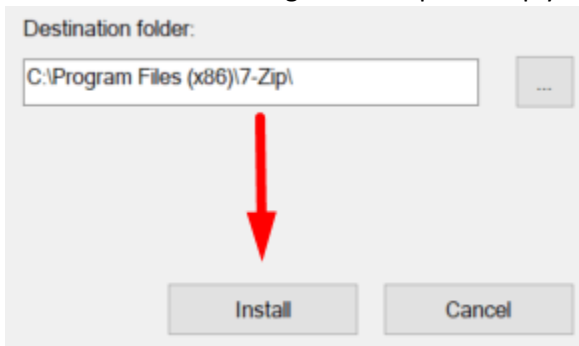
4. When this has downloaded open your file explorer and open your downloads folder.



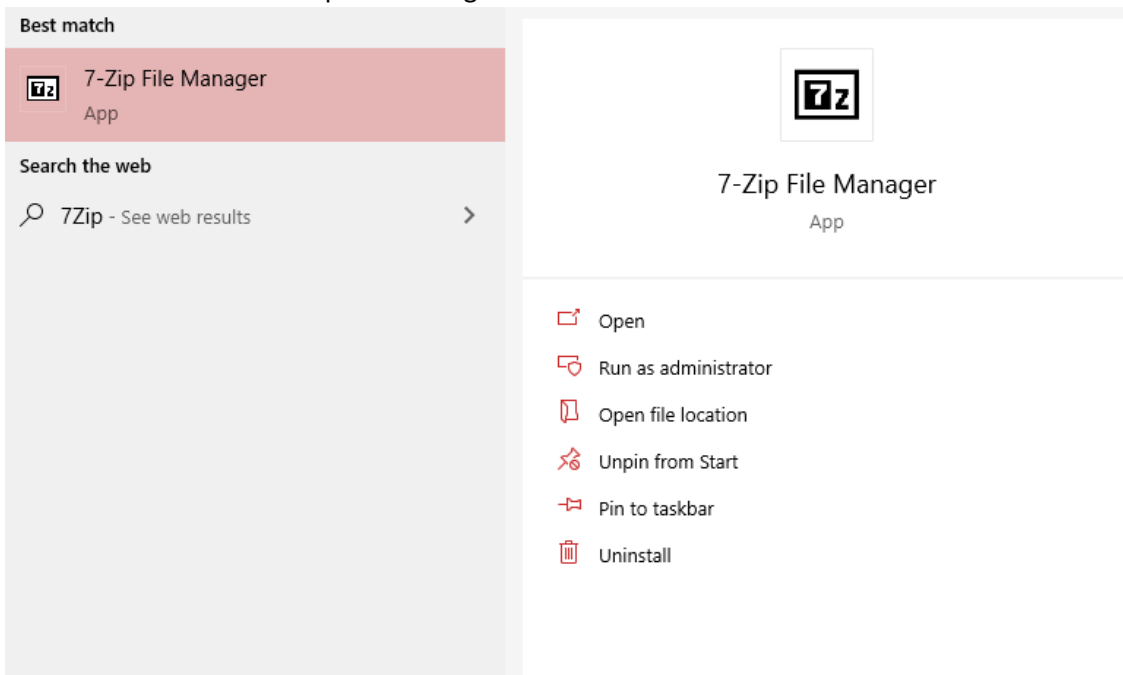
Run the file named 7z1900



5. When this is run a dialog box will open. Simply click install



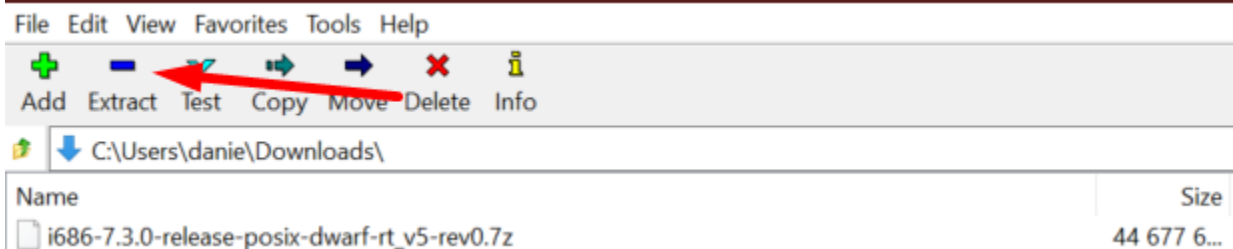
6. Click on the magnifying glass in the bottom right hand corner of your screen and search for 7Zip click on the file named 7-Zip File Manager



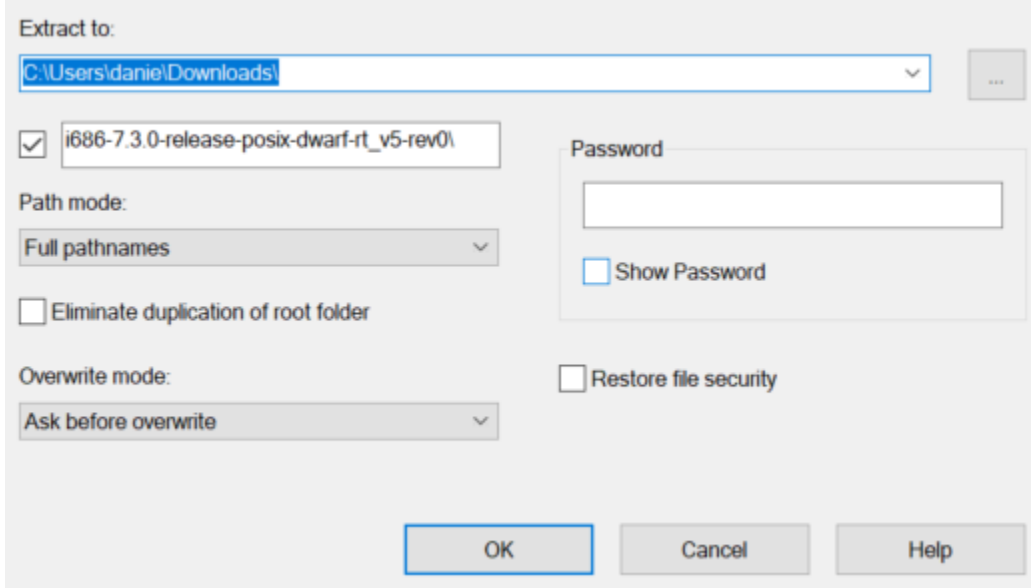
7. Once the app is opened scroll down until you find the file named “i686-7.3.0-release-posix-dwarf-rt_v5-rev0.7z”



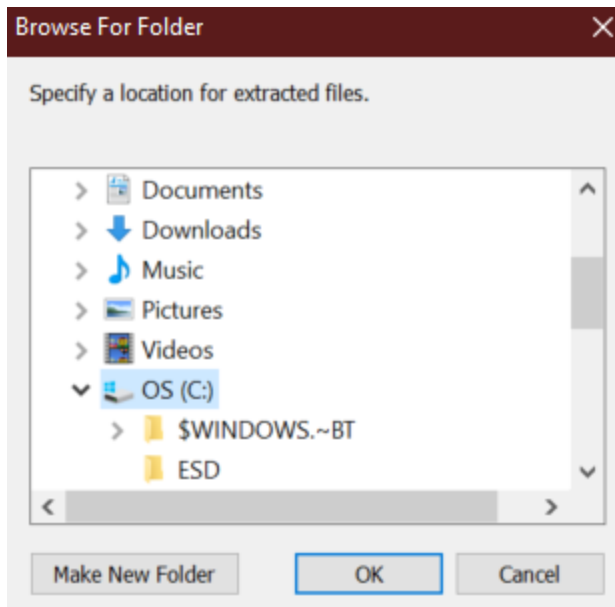
8. Click on this file and select extract



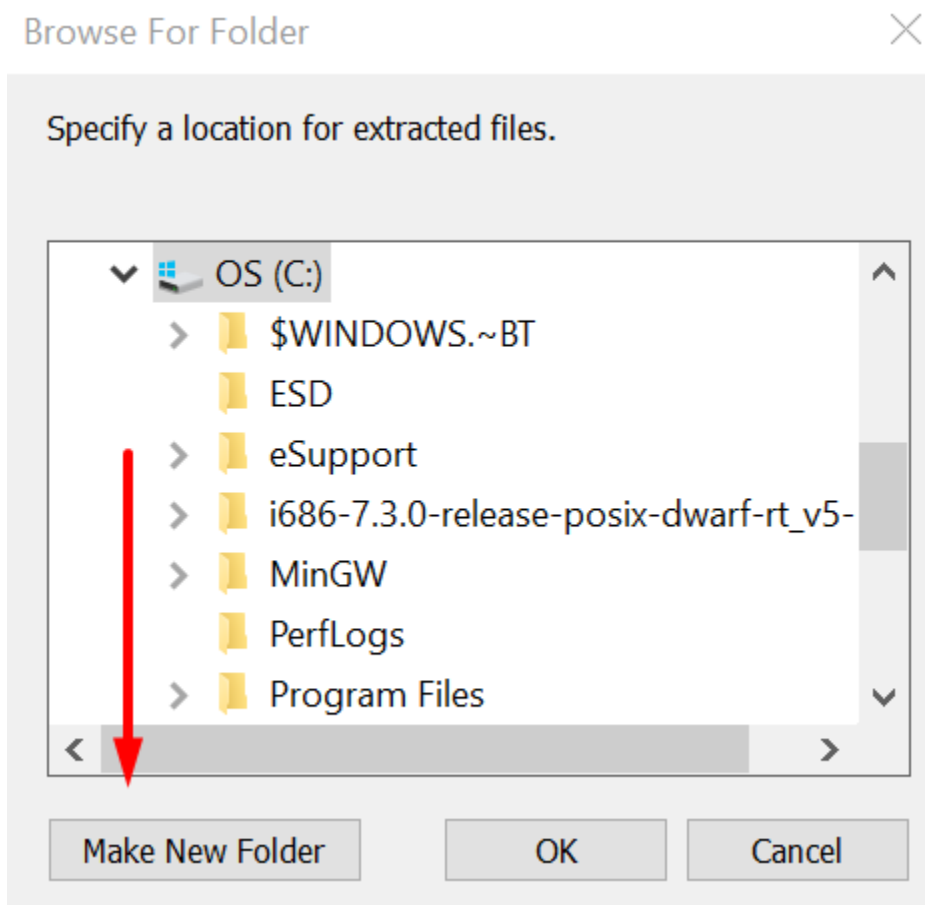
9. A dialog window should open with an address bar and a button with three dots on it (...)



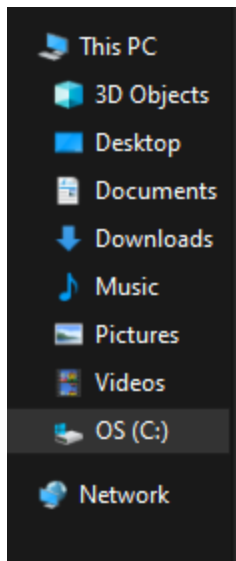
10. Click the button with three dots on it and navigate to the "OS (C:)" select it so it expands a list below it



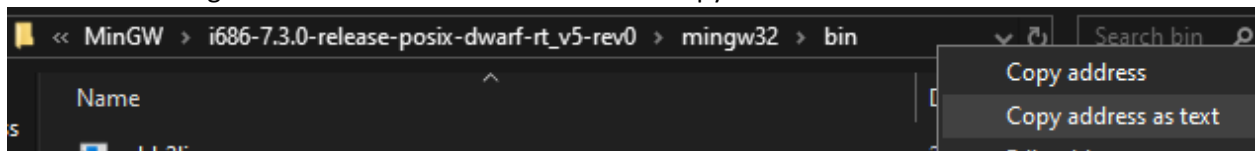
11. Click the make a new folder button and name it MinGW. A folder should appear under the (C:)



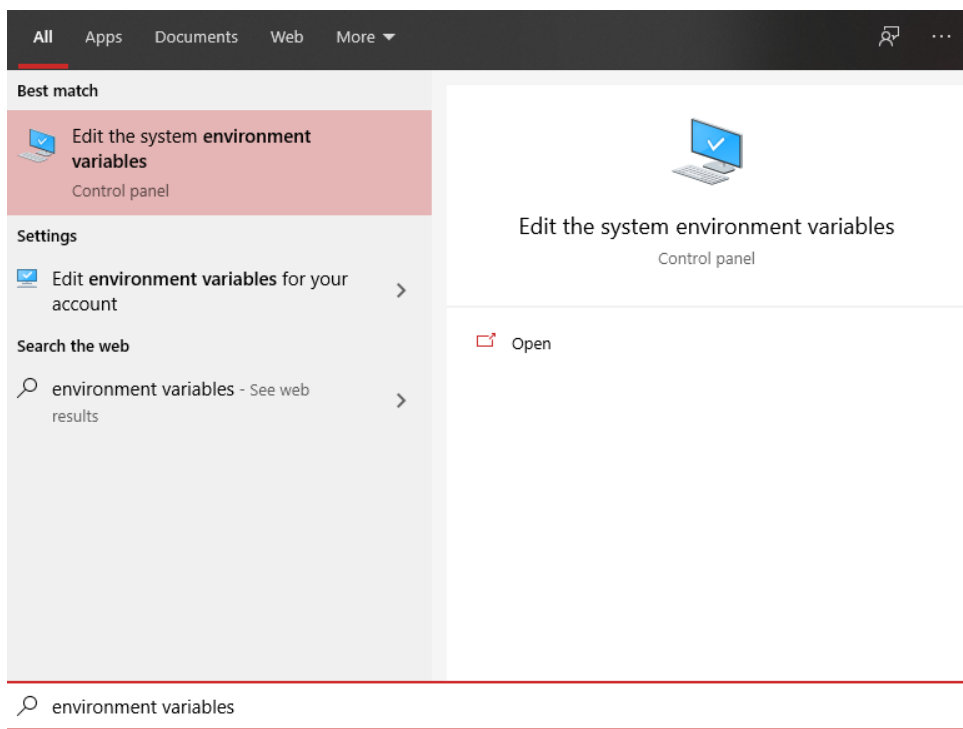
12. Then click OK
13. Open the file explorer and open the OS tab on the left



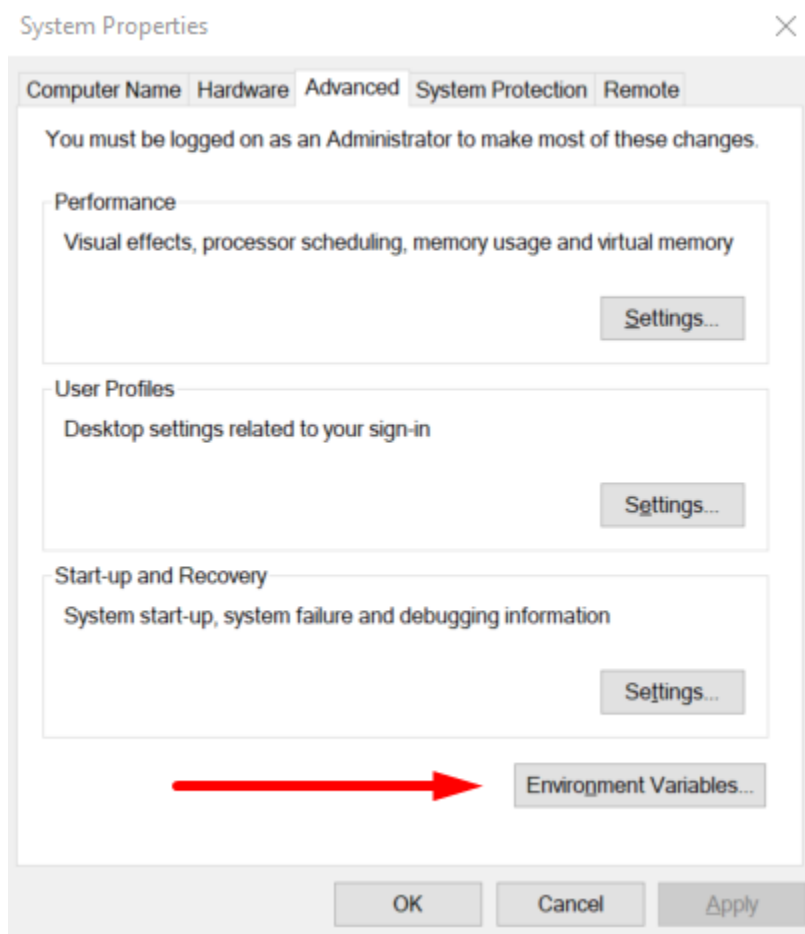
14. Inside the OS click on the file named MinGW and open the folder inside it and navigate to the file named bin Right click on the address bar and select copy address as text



15. Click on the Magnifying glass in the bottom left of your screen and search for “environment variables”. Open the top link with the computer monitor icon



16. Once you have opened this a window will pop up with four buttons on the right hand side three will be labelled “Settings”, but the bottom one will be “environment variables”



17. A new window will pop up. In the top half there will be a list of words. Click on “path” then click on the edit button below the box.

User variables for danie

Variable	Value
OneDrive	C:\Users\danie\OneDrive
Path	C:\Users\danie\AppData\Local\Microsoft\WindowsApps;C:\Users...
TEMP	C:\Users\danie\AppData\Local\Temp
TMP	C:\Users\danie\AppData\Local\Temp

New... Edit... Delete

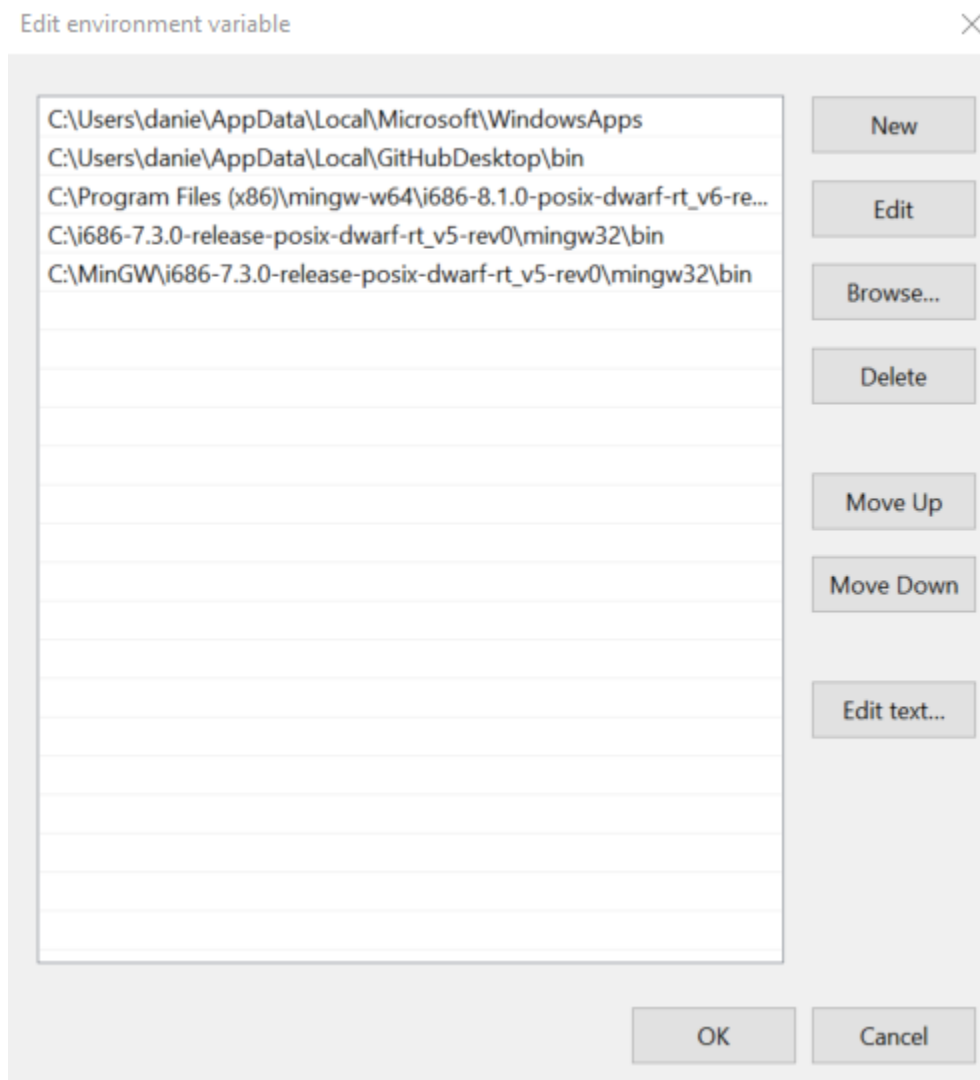
System variables

Variable	Value
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	4
OS	Windows_NT
Path	C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\P...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE	AMD64
PROCESSOR_IDENTIFIER	Intel64 Family 6 Model 78 Stepping 3 GenuineIntel

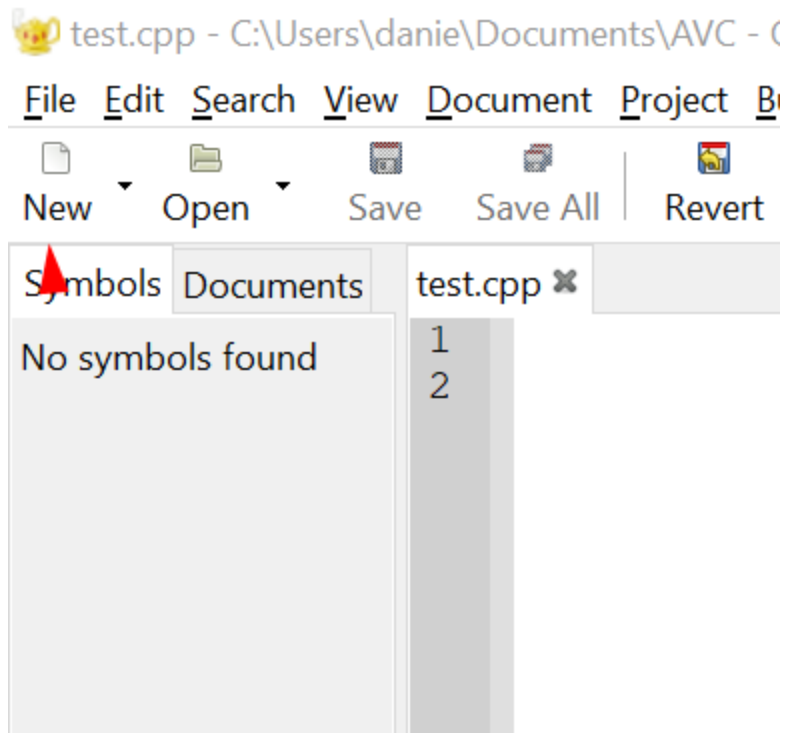
New... Edit... Delete

OK Cancel

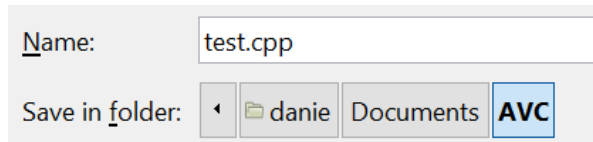
18. Click the New button and then paste in the address copied from the bin folder. You can paste by pressing ctrl+V on the keyboard



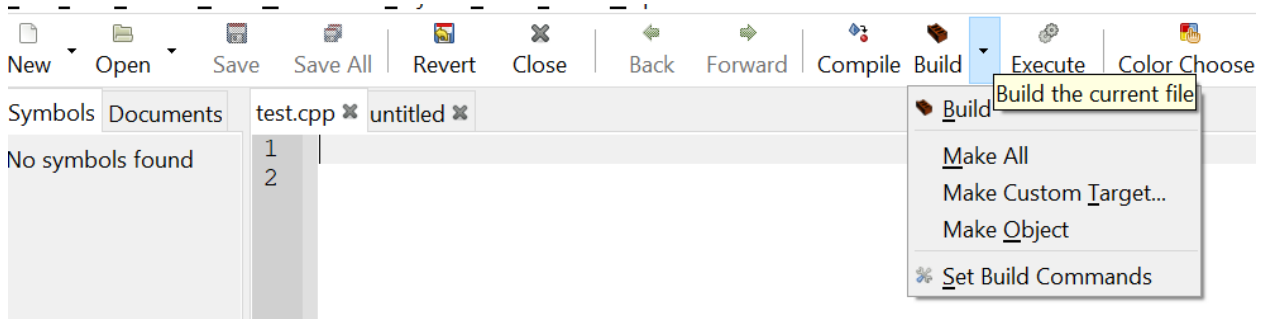
19. Click OK
20. Open Geany and click new




21. Save this file in any folder as test.cpp














22. Click the arrow next to build and select set build commands



23. Click make and write in mingw32-make


Set Build Commands
✕

#	Label	Command	Working directory	Reset
C++ commands				
1.	<u>C</u> ompile	g++ -Wall -c "%f"		
2.	<u>B</u> uild	g++ -Wall -o "%e" "%f"		
3.	<u>L</u> int	cppcheck --language=c++ --enable		
Error regular expression:				
Independent commands				
1.	<u>M</u> ake	mingw32-make		
2.	Make Custom <u>T</u> arget...	make		
3.	Make <u>O</u> bject	make %e.o		
4.				
Error regular expression:				
<i>Note: Item 2 opens a dialog and appends the response to the command.</i>				
Execute commands				
1.	<u>E</u> xecute	"./%e"		
2.				
<i>%d, %e, %f, %p, %l are substituted in command and directory fields, see manual for details.</i>				
			Cancel OK	

This is now finished