

Software Installation Instructions

MinGW Installation:

Step-1:

First, check if your system is 32 or 64 bit.

Go to, Settings -> System -> About and

Look for,

System Type - 64-bit operating system, x64-based processor

Step-2:

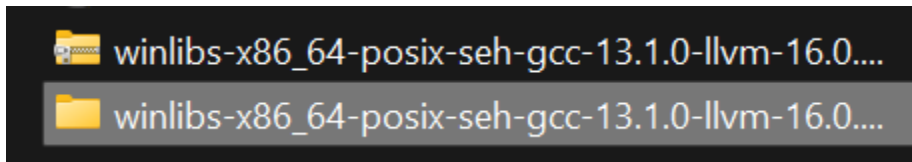
Download MinGW according to your system architecture, you found in the Step-1.

Find 64-bit MinGW [here](#)

Find 32-bit MinGW [here](#)

Step-3:

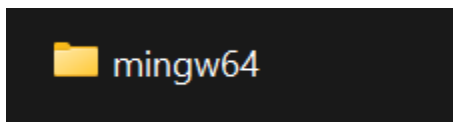
After downloading the zip file, extract it.



Step-4:

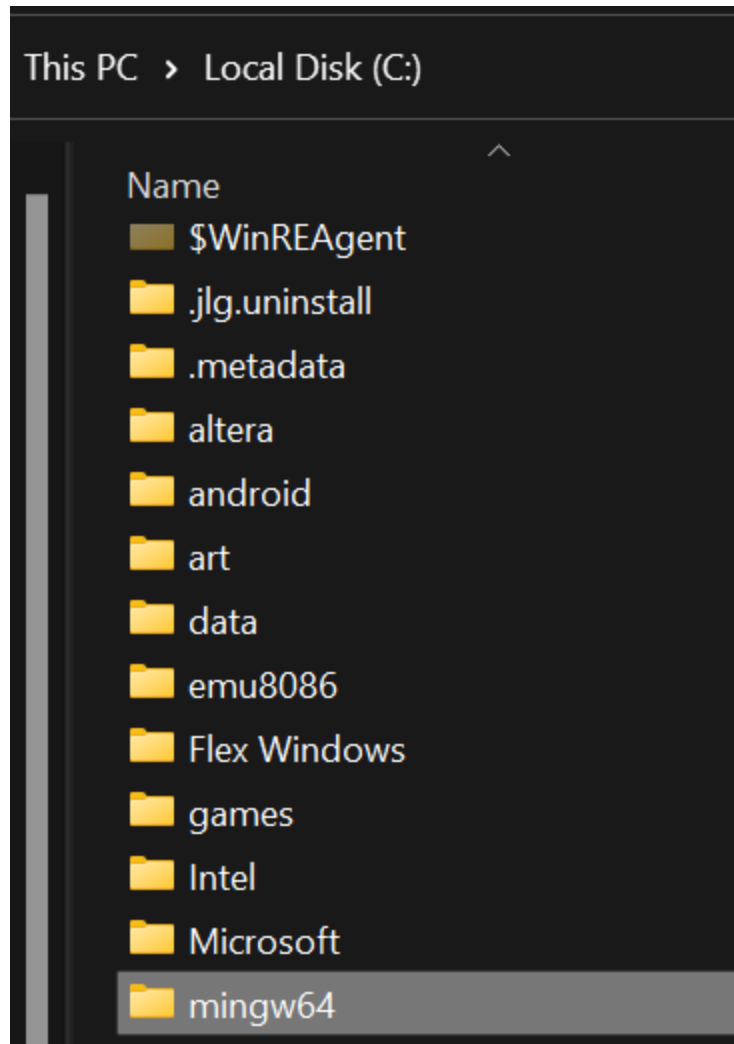
Double click on to that extracted file,

You will see a folder inside it called mingw64.



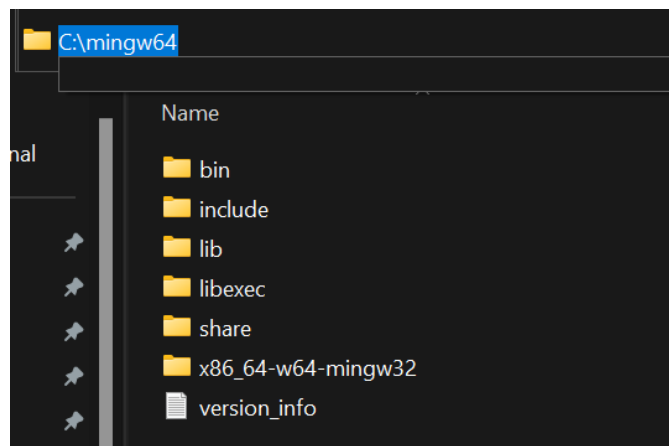
Step-5:

Copy that folder and paste it into your C drive.



Step-6:

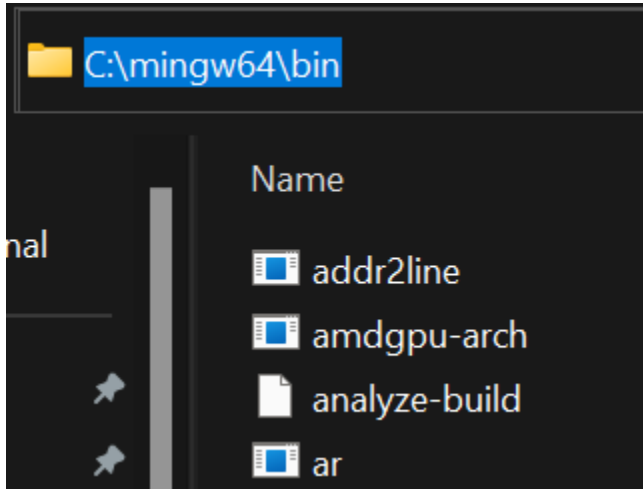
Double click on to the mingw64 folder you just copied into the C drive.
and



Copy the location as you can see in the picture above and store in a notepad.
C:\mingw64 (in my case)

Step-7:

Double click on to the bin folder inside mingw64.

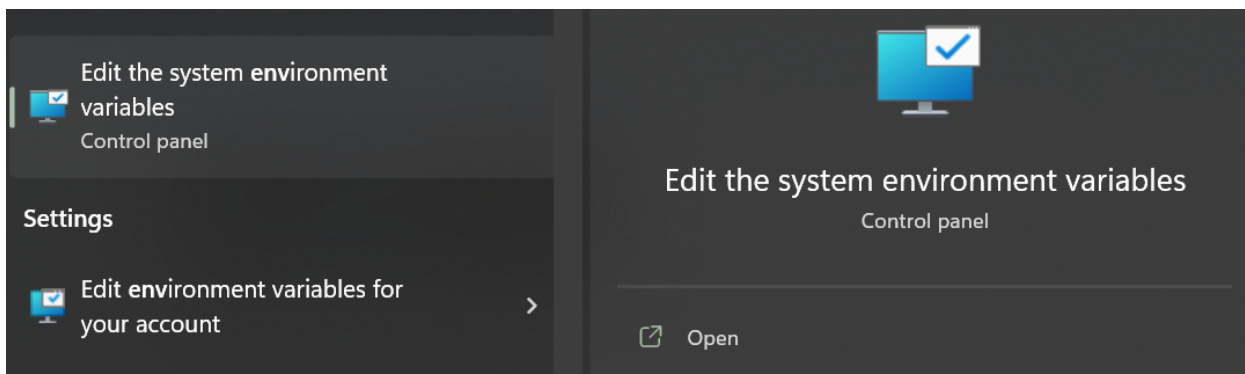


Copy the location as you can see in the picture above and store in a notepad.
C:\mingw64\bin (in my case)

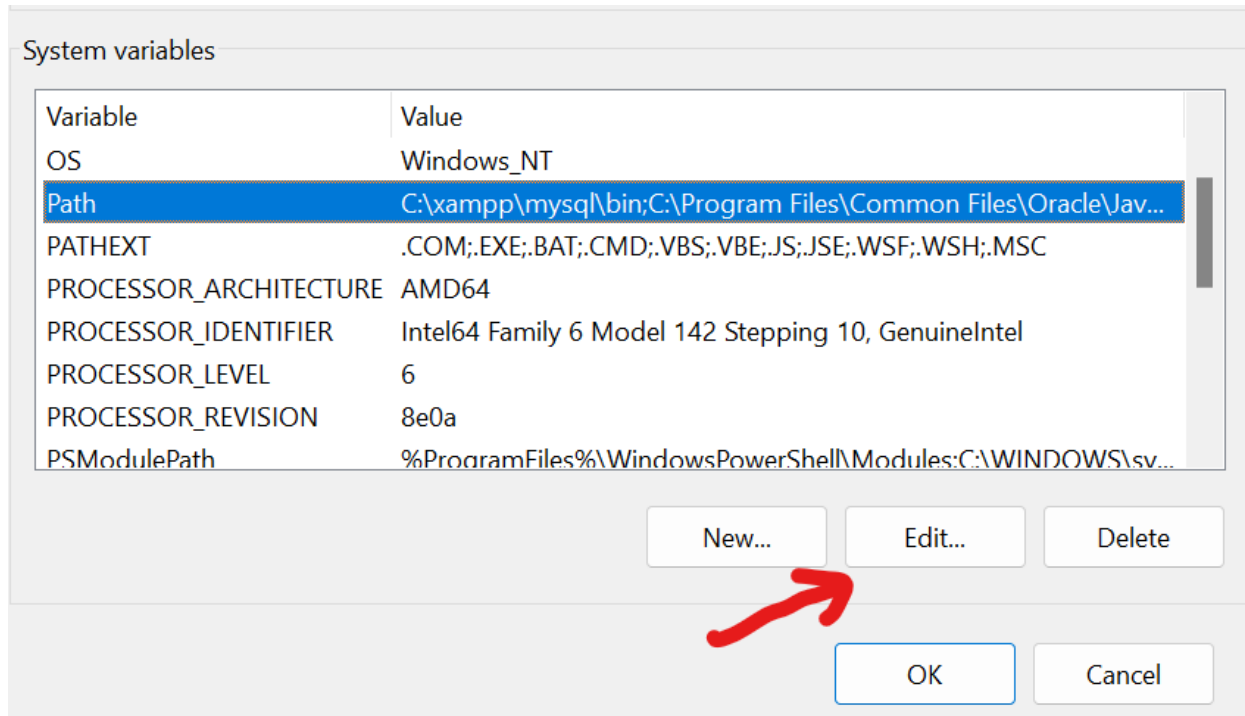
Step-8:

Now, we will update the path variables.

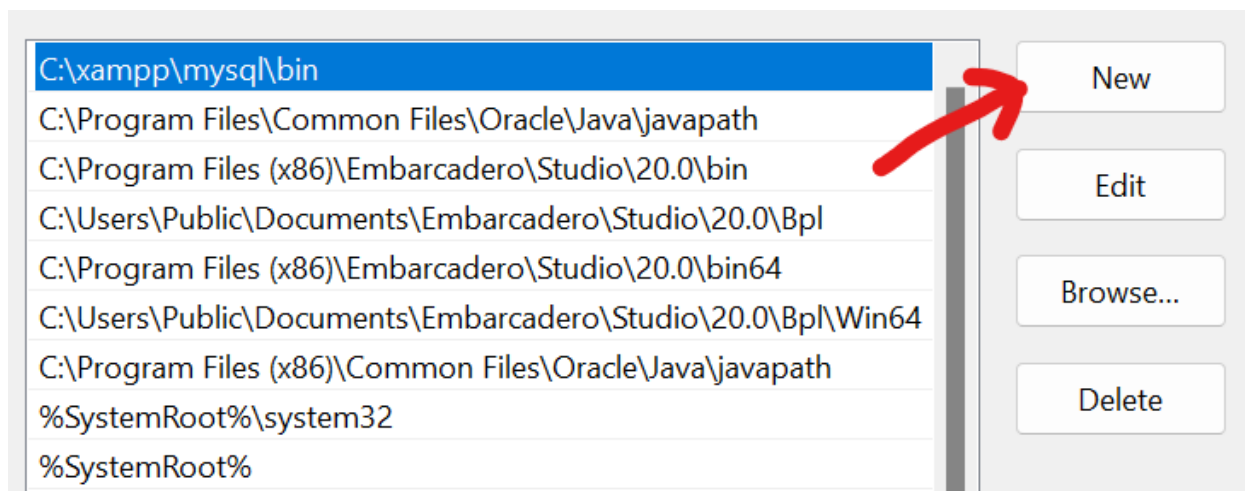
Go to windows-search and type **env**



Go to “Edit the system environment variables”. We will edit the system variables,



Select the Path variable and click **Edit**, It will open up a new window then press **New**



paste the location you saved in Step-6 (C:\mingw64)

Then again press **New** and paste the location you saved in Step-7 (C:\mingw64\bin)

Finally, press Ok and save.

After setting the path variables, restart your computer. (you MUST do it)

Step-9:

Now open your command prompt and Type G++ --version. You should see something like the picture below.

```
C:\Users\parth>G++ --version
G++ (MinGW-W64 x86_64-ucrt-posix-seh, built by Brecht Sanders) 13.1.0
Copyright (C) 2023 Free Software Foundation, Inc.
This is free software; see the source for copying conditions.  There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

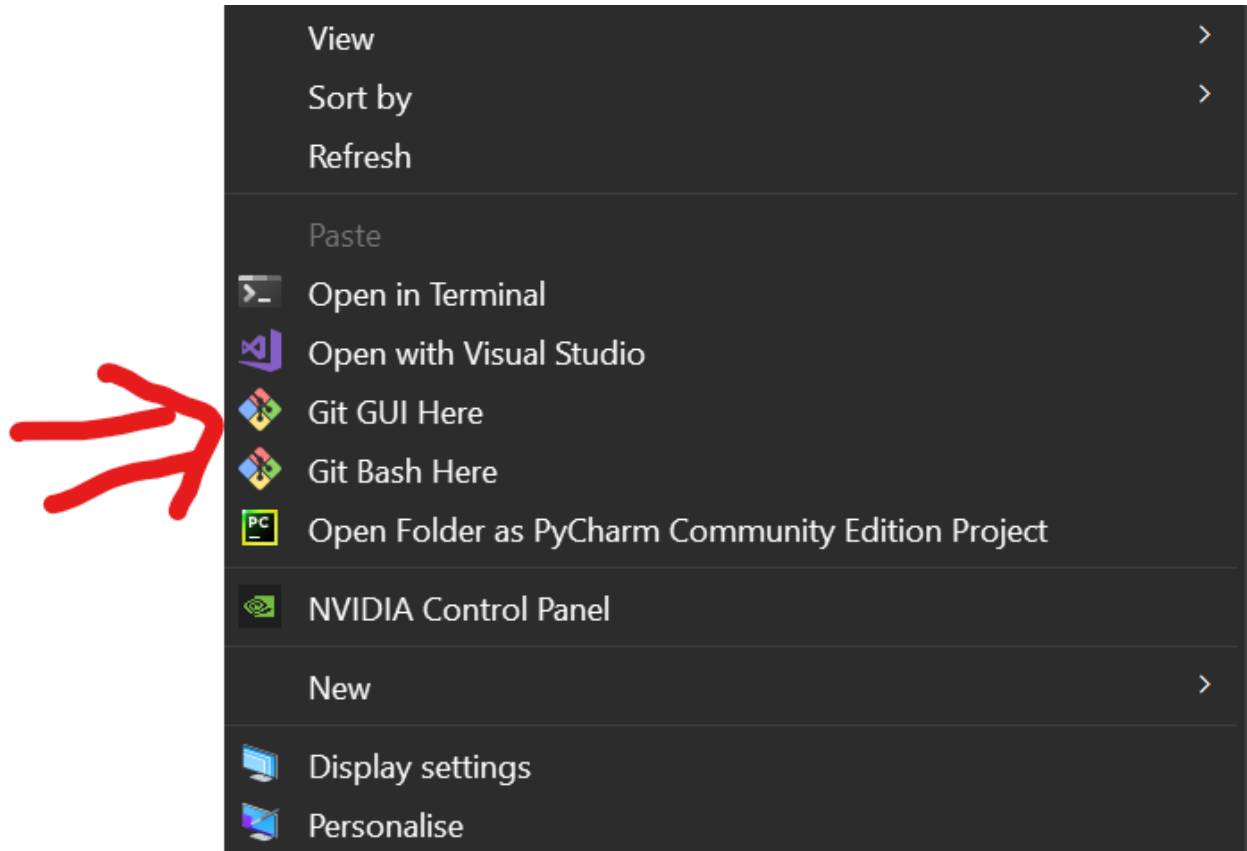
Git Bash Installation:

Step-1: Download Git Bash from [here](#)

Step-2: Simply double click the .exe file you downloaded and it will be installed.

Verify: To verify if git bash is installed, go to any folder and right click on your mouse,

And you should Git Bash and Git GUI in the options.



Flex Installation:

Step-1: Download Flex from [here](#)

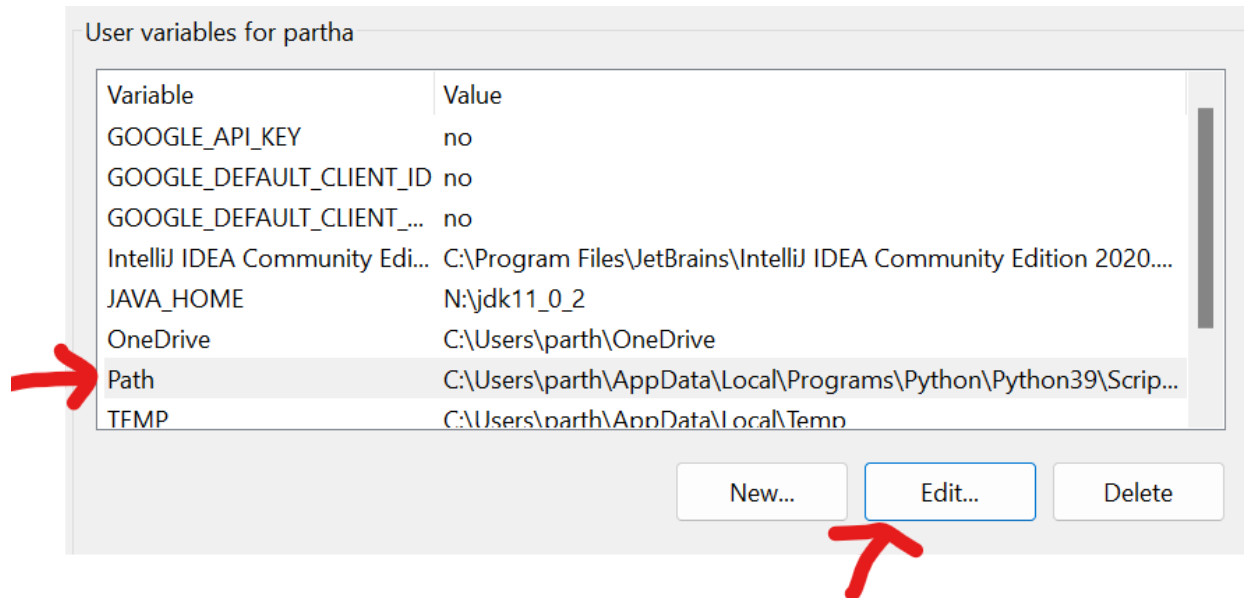
Step-2: Simply double click the .exe file you downloaded and it will be installed.

Step-3:

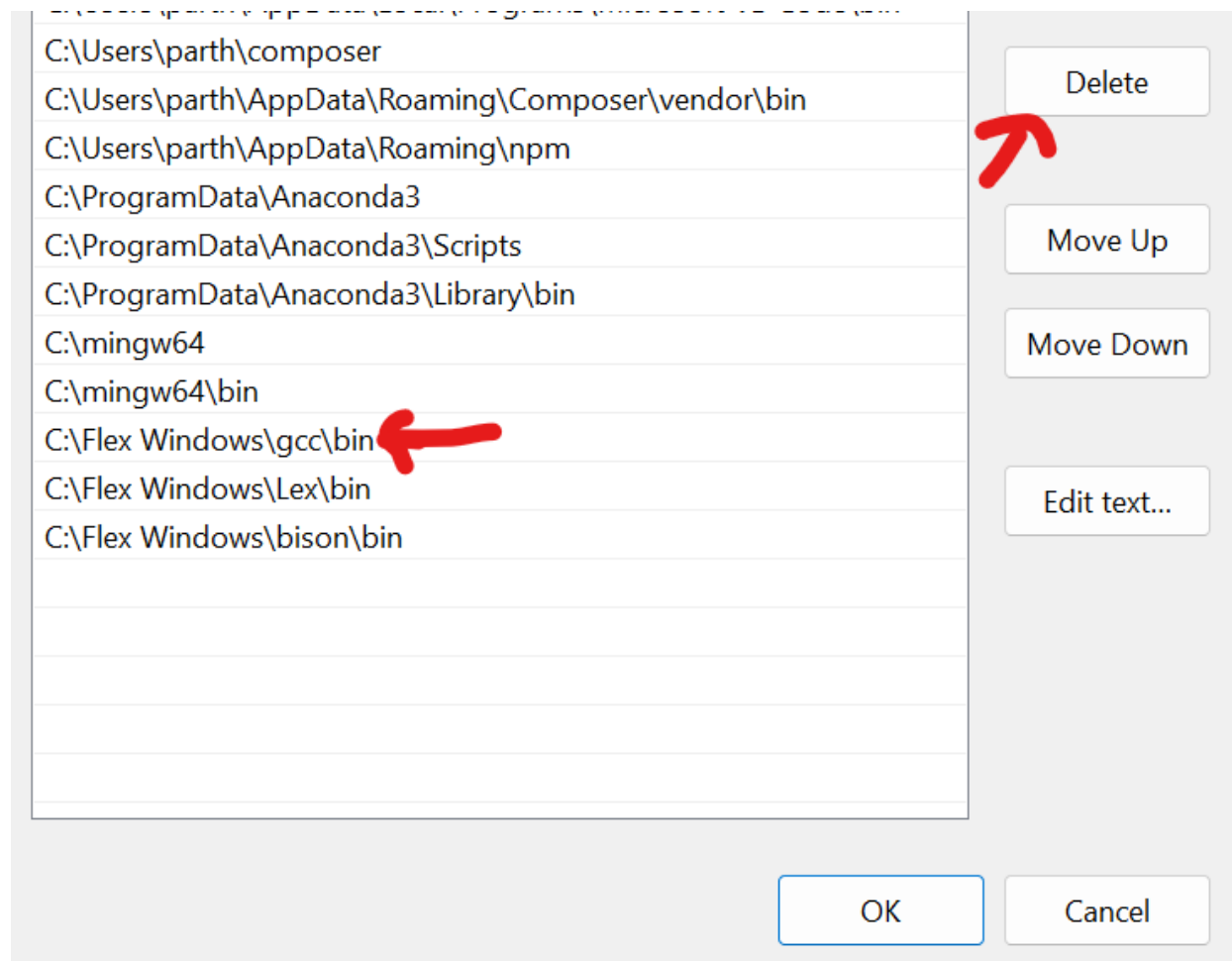
Now go to the path variable, this time we will check the user variables,

(refer to Step-8 of MinGW installation in case you forgot how go to path variables)

Select Path and click Edit,



Then select\\gcc\\bin and click Delete then press Ok



You **must** maintain the path variable sequence and make sure that you do not have Any other G++/ GCC/MinGW set before these four in your path variable.

C:\mingw64
C:\mingw64\bin
C:\Flex Windows\Lex\bin
C:\Flex Windows\bison\bin

Now, restart your Computer and try to run the given files.