Setting Up MSYS/GitBash:

Installing MSYS--------------------------------------------------------

Windows:

1. Go to this link: <https://www.msys2.org/>
2. Click this button: 
3. When MSYS2 finishes downloading, please open the file
4. Click next and then select a location to install MSYS2
5. Check off **Run MSYS2** now box
6. When prompted to run MSYS2 always use the **Mingw-w64 64 bit** option
7. Type **pacman -Syu** to update the package database and core system packages
8. Close MSYS2 and relaunch the program
9. Type **pacman -Su** into MSYS2
10. After that MSYS2 is fully installed on your laptop

MSYS Install Tool------------------------------------------------------

In the terminal window of Msys2 type these commands

Command to tell what package exists for the 64 bit version that contains gcc

1. Type: pacman -S gcc | grep minggw64

Command to install specific packages: gcc, gdb, cmake

1. Type: pacman -S mingw-w64-x86\_64-gcc

2. Type: pacman -S mingw-w64-x86\_64-gdb

3. Type: pacman -S mingw-w64-x86\_64-cmake

4. Type: pacman -S mingw-w64-x86\_64-make

All these programs will then be installed under your msys installation. For most people, this is installed in: c:\msys64 meaning that all the tools will be installed in:

C:\msys64\mingw64\bin

Command to install GitBash within MSYS2 Terminal (Allows running of Gitbash in Msys):

1. Type: pacman -S git
2. When prompted, please enter Y
3. Now, you will have git function within MSYS2, so you will no longer need Git bash to commit your code

GitBash Install----------------------------------------------------------

Windows:

1. Go to this link: <https://git-scm.com/downloads>
2. When git finished downloading, please open that file
3. Click next and select a location for Gitbash
4. Now, you will have git bash on your laptop