wsl/gcc Installation Tutorial

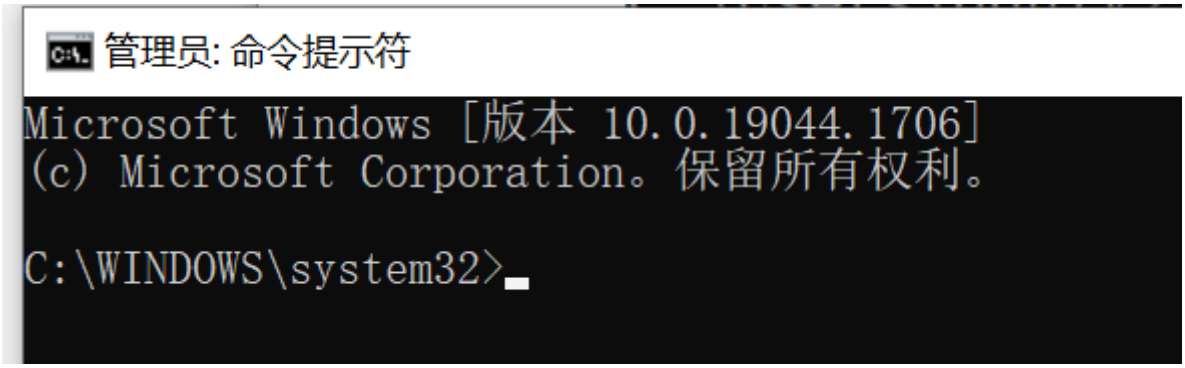
Requirements

- This tutorial is for **Windows users with version $\geq$ Win10**.
- Please make sure your disk have enough space ($\geq$ 2GB)

Step 1. Install Linux Distribution

Tutorial: [Basic commands for WSL | Microsoft Docs]

1. Run your terminal as an administrator

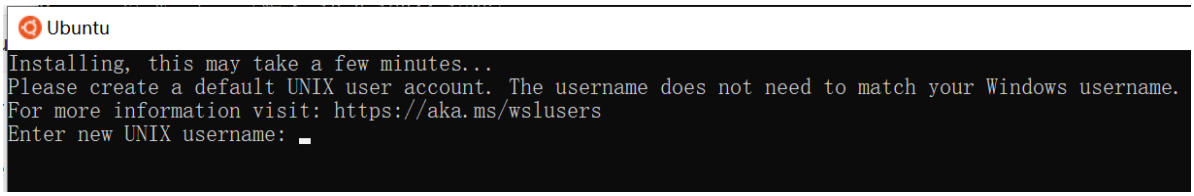


2. Install Ubuntu

Type in

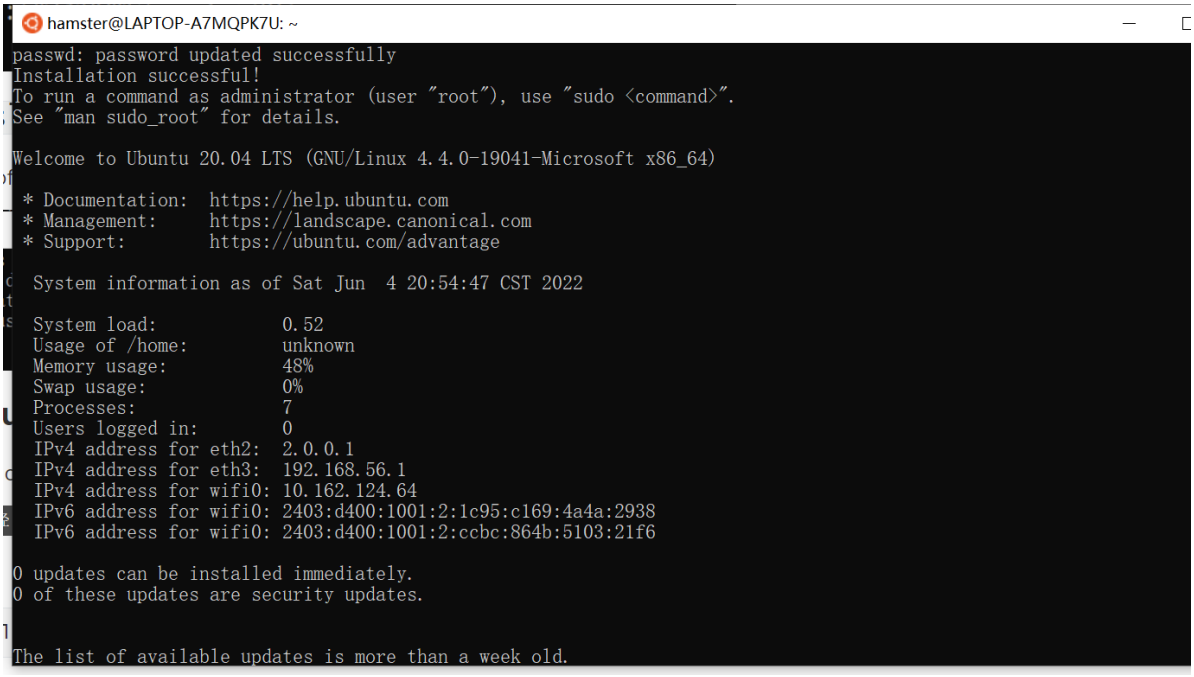
```
wsl --install -d Ubuntu
```

Wait a couple of minutes for downloading. Now you should see:



3. Enter your username and password

The username should be in lower-case, e. g. hamster. Then input your password twice. You will see:



4. Close the window, create a new terminal

Type in `wsl`, you should be able to see:

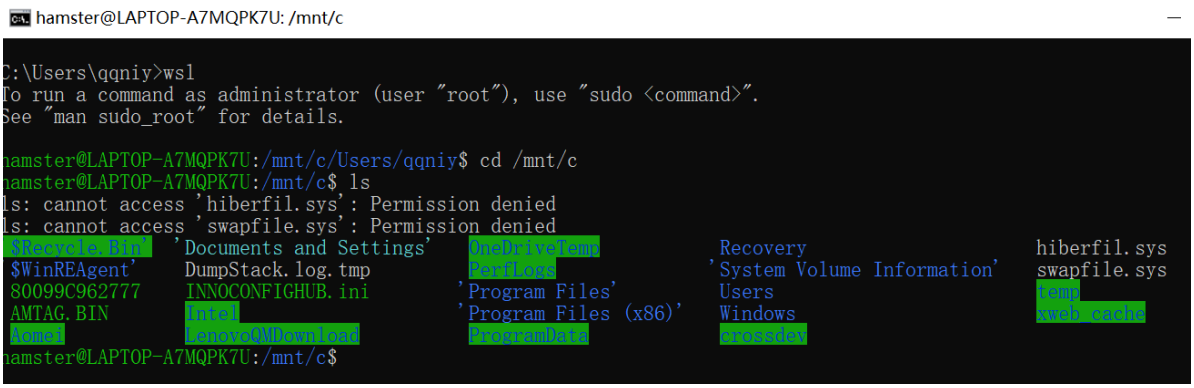
5. Access Windows files

To access `C:\` drive in windows:

```
cd /mnt/c
```

List out the files

```
ls
```



6. Quit wsl

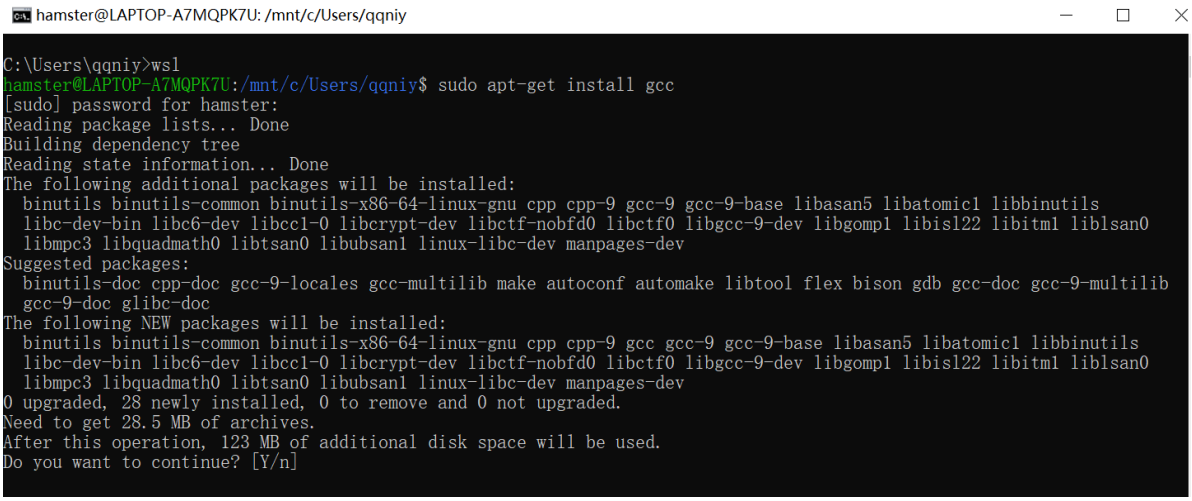
Press `Ctrl+D`.

Step 2. Install Complier

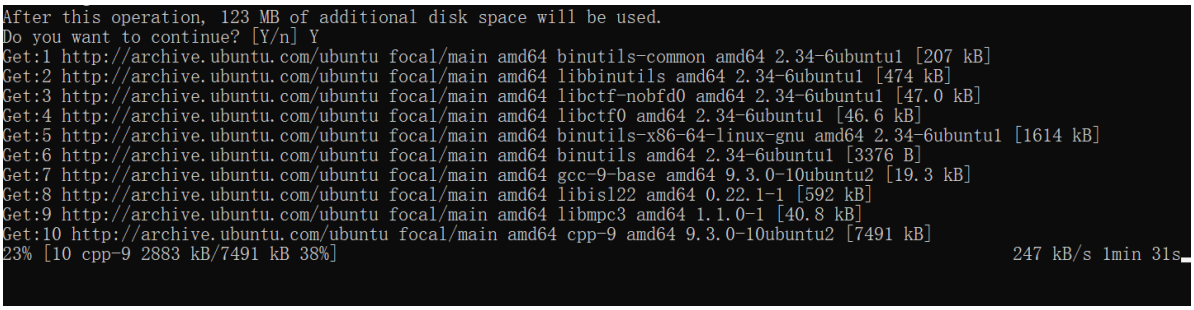
Type

```
sudo apt-get install gcc
```

It would suggest you to enter the password, since the command `sudo` requests for administration.

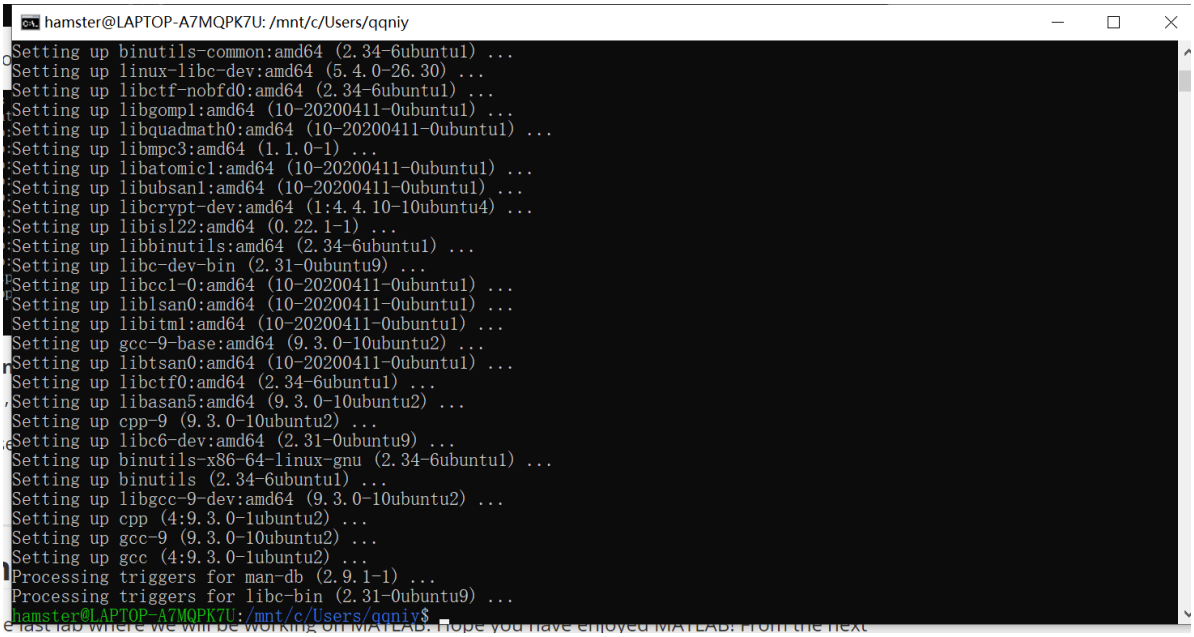


Type `Y` to continue. Then it will start downloading:

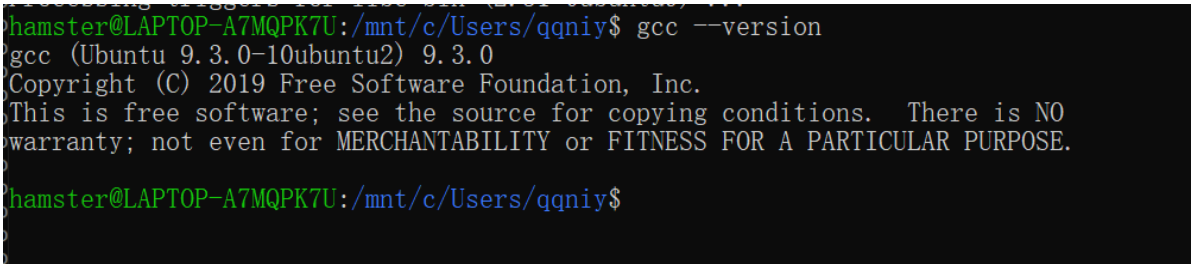


Important: If it's too slow or the terminal suggests you that due to net-work issue some files cannot be accessed, please contact the TAs. We will help you change to the sjtu mirror.

Otherwise, just wait until:



Now, to test you've successfully installed `gcc`, type in `gcc --version`. You should get:



Congratulations! You're done! 🎉 🎉 🎉