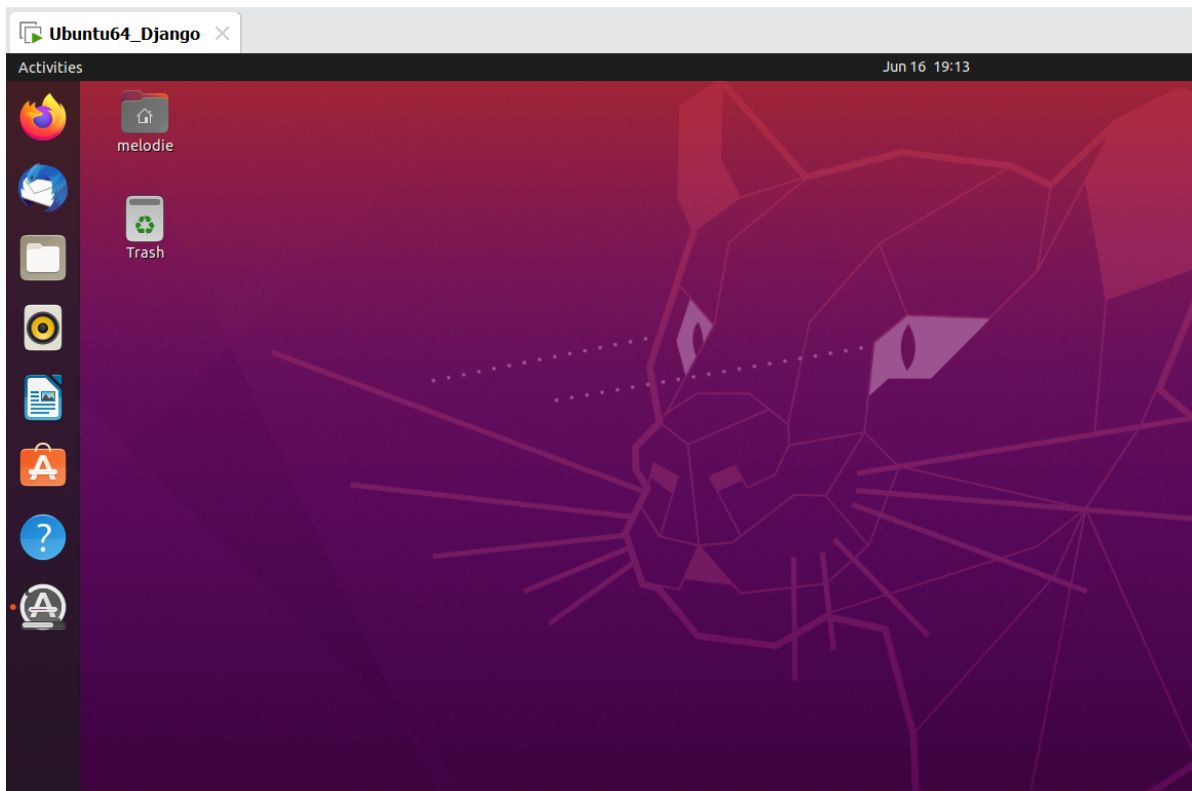


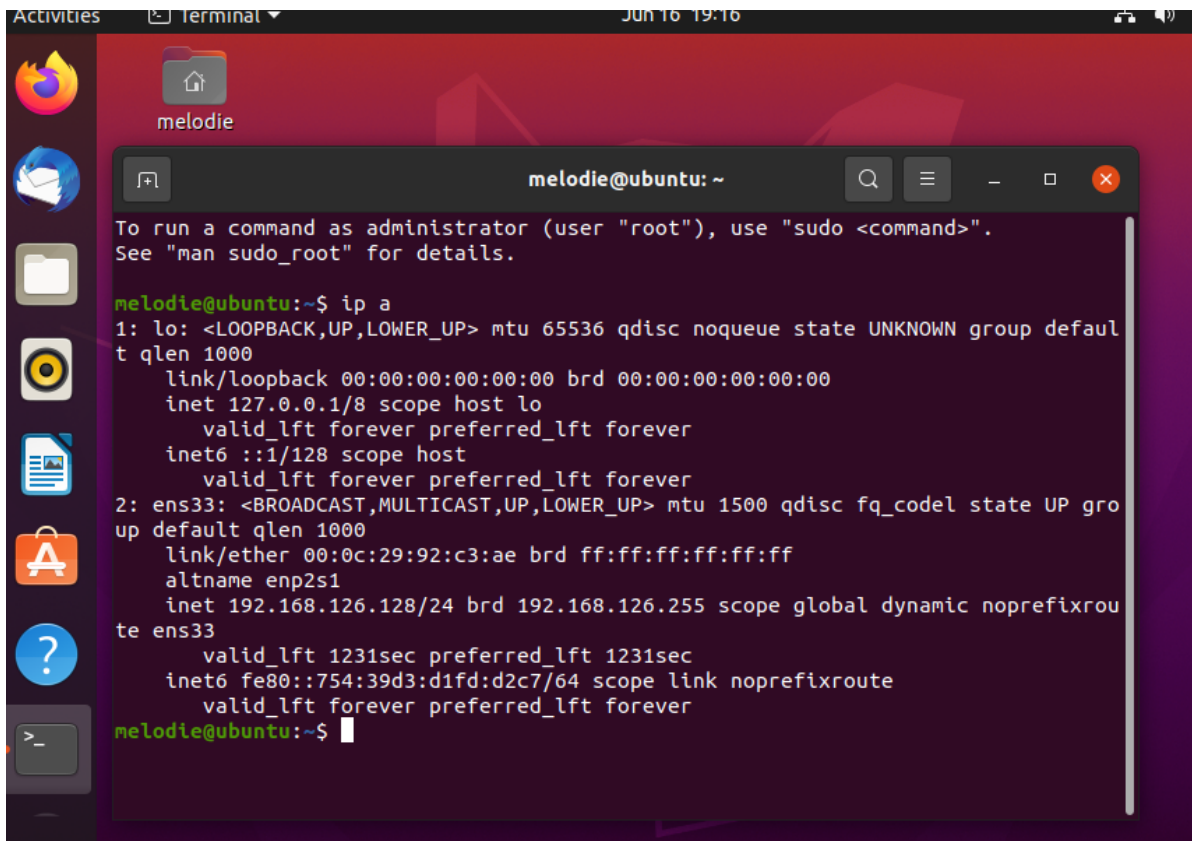
# Ubuntu Task0 Setup

Download VMware Fusion/Workshop

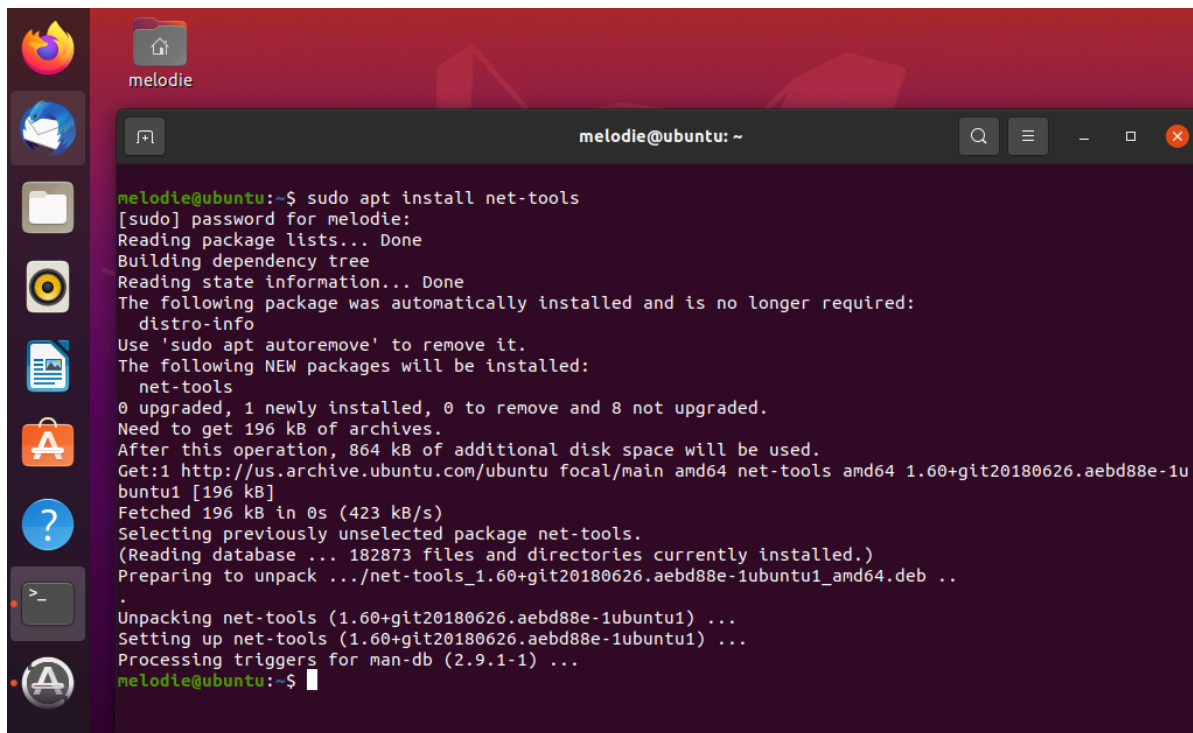
Use Ubuntu 20.04 version virtual machine



Check the IP address



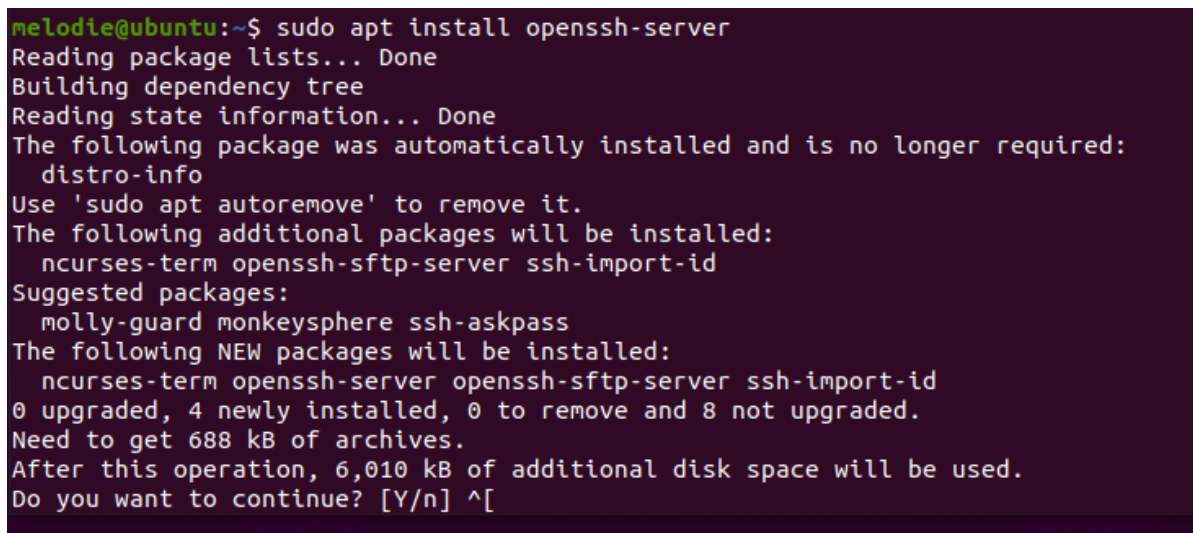
Install packages

A terminal window titled 'melodie@ubuntu: ~' showing the command 'sudo apt install net-tools'. The output indicates that 'net-tools' is being installed, along with 'distro-info' which is no longer required. The terminal shows the progress of downloading and installing the package, including disk space requirements and the source of the package.

```
melodie@ubuntu:~$ sudo apt install net-tools
[sudo] password for melodie:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  distro-info
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 8 not upgraded.
Need to get 196 kB of archives.
After this operation, 864 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git20180626.aebd88e-1ubuntu1 [196 kB]
Fetched 196 kB in 0s (423 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 182873 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
melodie@ubuntu:~$
```

Install ssh on Ubuntu

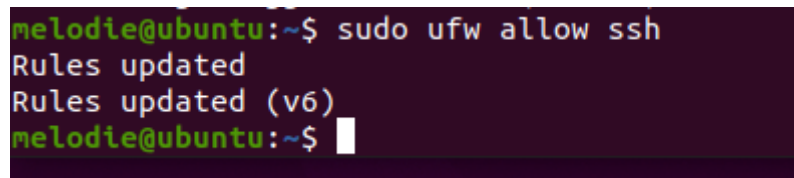
sudo apt install openssh-server

A terminal window showing the command 'sudo apt install openssh-server'. The output lists additional packages to be installed: 'ncurses-term', 'openssh-sftp-server', and 'ssh-import-id'. It also suggests 'molly-guard' and 'monkeysphere'. The terminal shows the progress of downloading and installing the package, including disk space requirements and the source of the package.

```
melodie@ubuntu:~$ sudo apt install openssh-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  distro-info
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  ncurses-term openssh-sftp-server ssh-import-id
Suggested packages:
  molly-guard monkeysphere ssh-askpass
The following NEW packages will be installed:
  ncurses-term openssh-server openssh-sftp-server ssh-import-id
0 upgraded, 4 newly installed, 0 to remove and 8 not upgraded.
Need to get 688 kB of archives.
After this operation, 6,010 kB of additional disk space will be used.
Do you want to continue? [Y/n] ^[
```

allow firewall

sudo ufw allow ssh

A terminal window showing the command 'sudo ufw allow ssh'. The output indicates that the rules have been updated and the firewall is now allowing ssh connections.

```
melodie@ubuntu:~$ sudo ufw allow ssh
Rules updated
Rules updated (v6)
melodie@ubuntu:~$
```

check ssh status

```

melodie@ubuntu:~$ systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2021-06-16 19:30:17 PDT; 2min 4s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
    Main PID: 33171 (sshd)
      Tasks: 1 (limit: 4618)
     Memory: 1.3M
    CGroup: /system.slice/ssh.service
            └─33171 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Jun 16 19:30:17 ubuntu systemd[1]: Starting OpenBSD Secure Shell server...
Jun 16 19:30:17 ubuntu sshd[33171]: Server listening on 0.0.0.0 port 22.
Jun 16 19:30:17 ubuntu sshd[33171]: Server listening on :: port 22.
Jun 16 19:30:17 ubuntu systemd[1]: Started OpenBSD Secure Shell server.
melodie@ubuntu:~$

```

Connect from local machine

successful

```

C:\Users\Administrator>
C:\Users\Administrator>ssh melodie@192.168.126.128
The authenticity of host '192.168.126.128 (192.168.126.128)' can't be established.
ECDSA key fingerprint is SHA256:pYKo/WYradLyv3lIyBr2Oykh8uMlRzHYOKJt6sInBLg.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.126.128' (ECDSA) to the list of known hosts.
melodie@192.168.126.128's password:
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.8.0-55-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

0 updates can be applied immediately.

Your Hardware Enablement Stack (HWE) is supported until April 2025.
*** System restart required ***

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

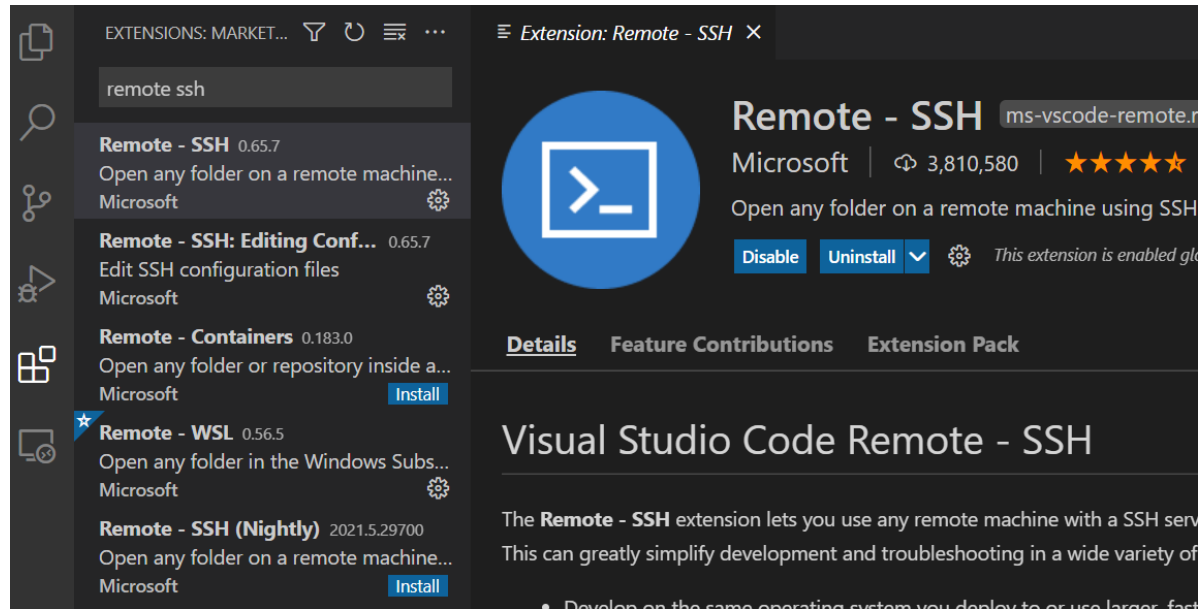
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.8.0-55-generic x86_64)

 * Documentation:  https://help.ubuntu.com

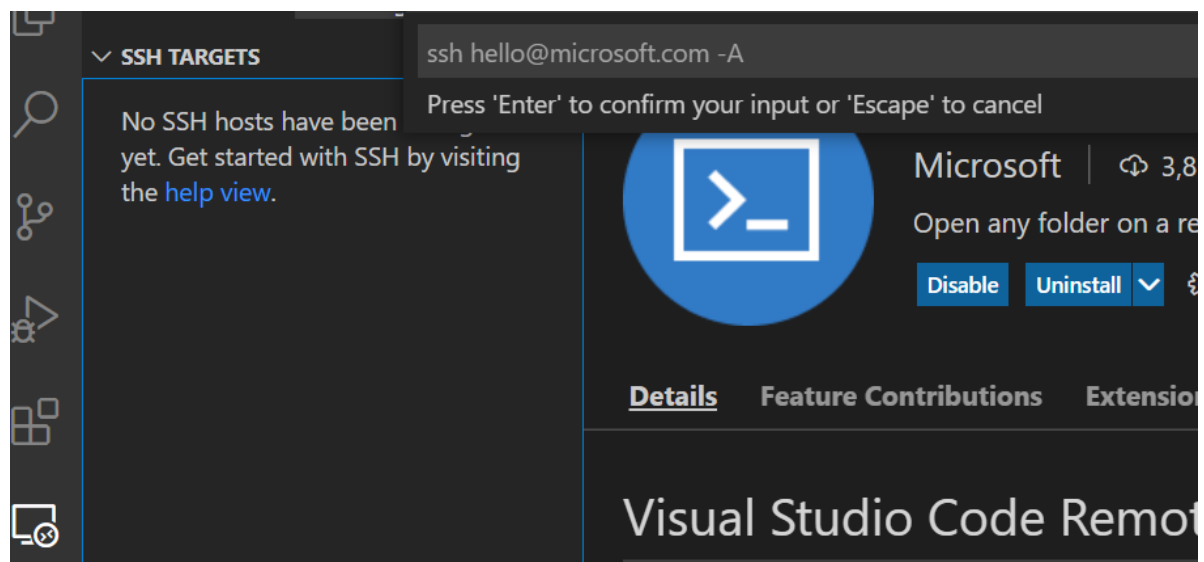
```

Open VS Code

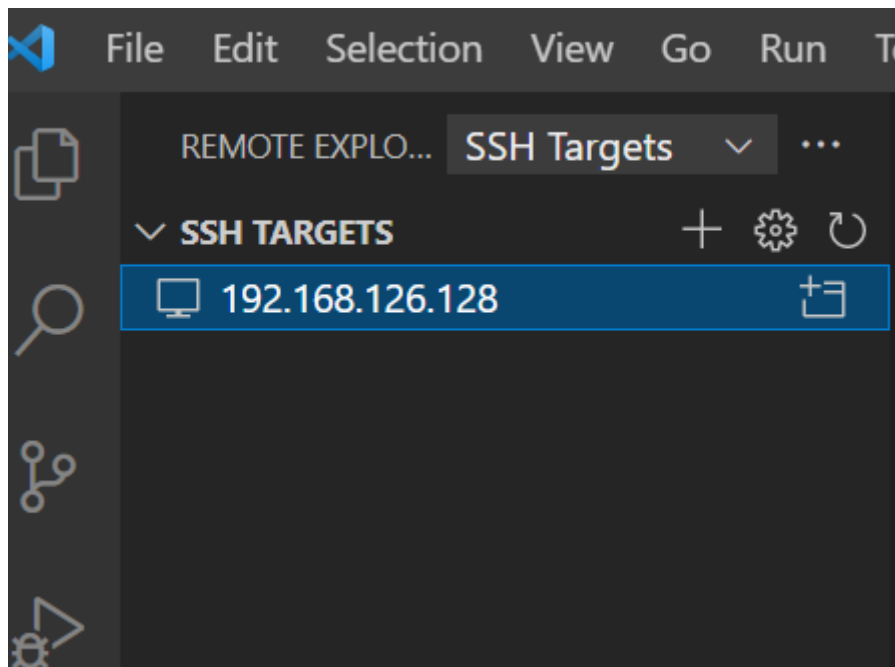
## Install REMOTE SSH



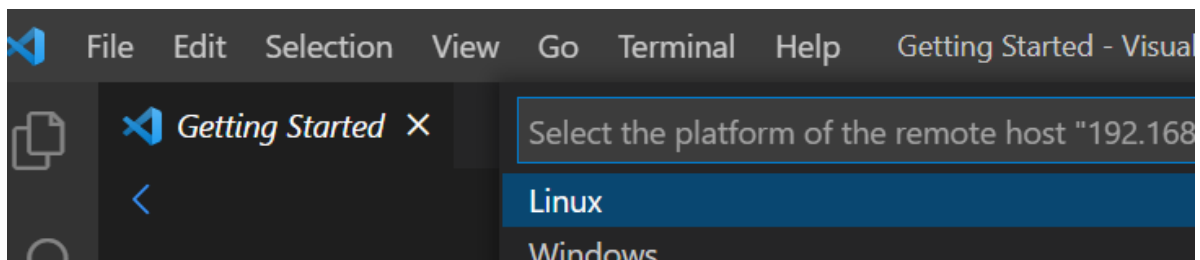
## Connect Remote (Click +)





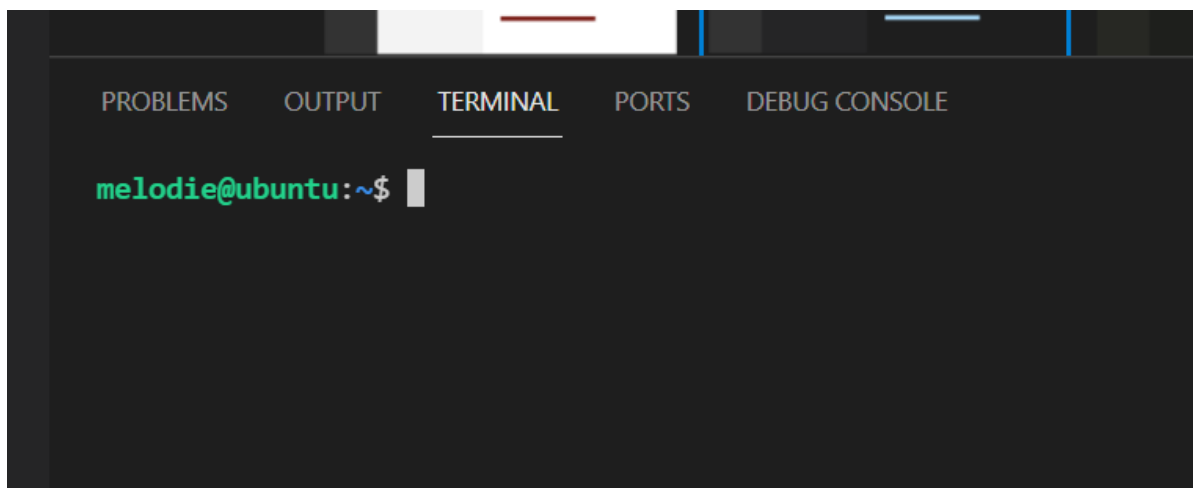


Click the "+Folder"



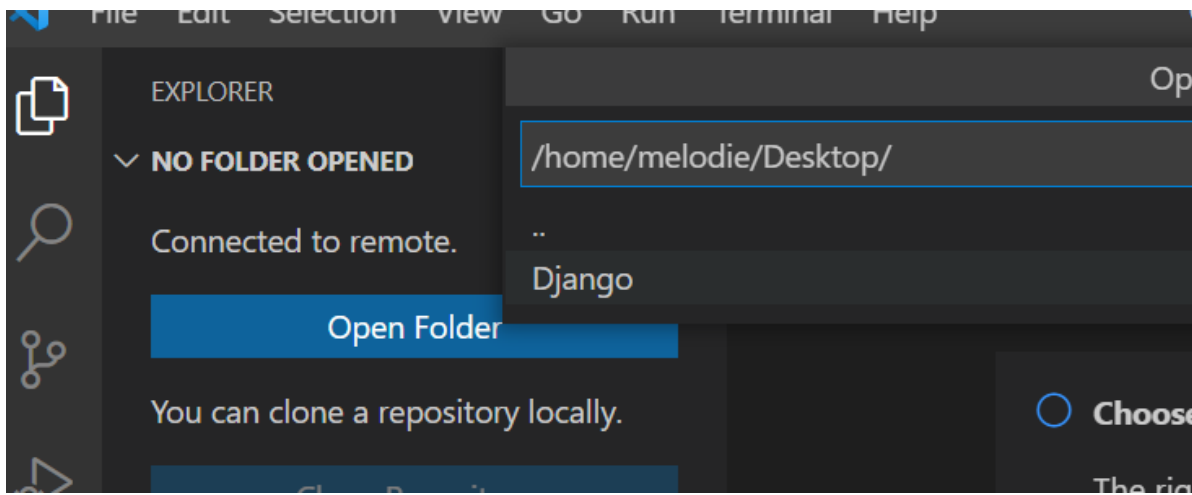
Select Linux and input password

New Terminal in VS-Code

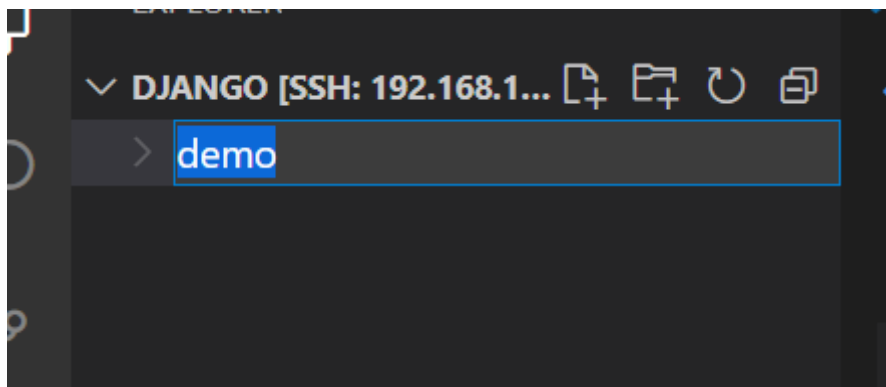


Make a folder on Desktop named Django

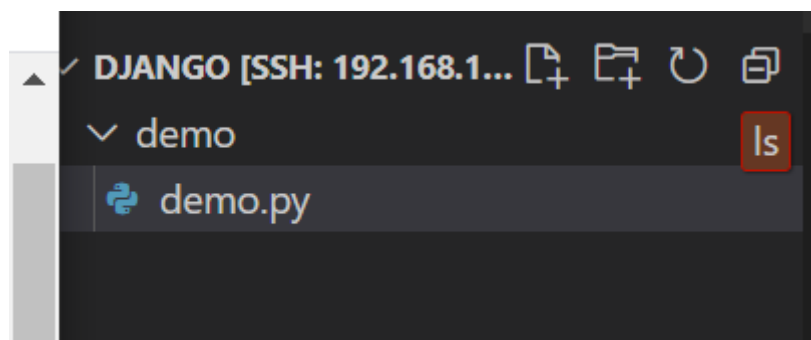
Open folder in VS Code



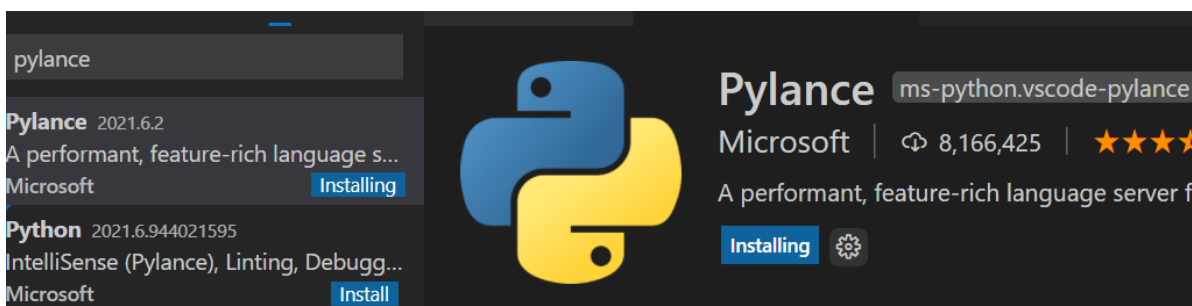
create a folder named 'demo' in the Django folder



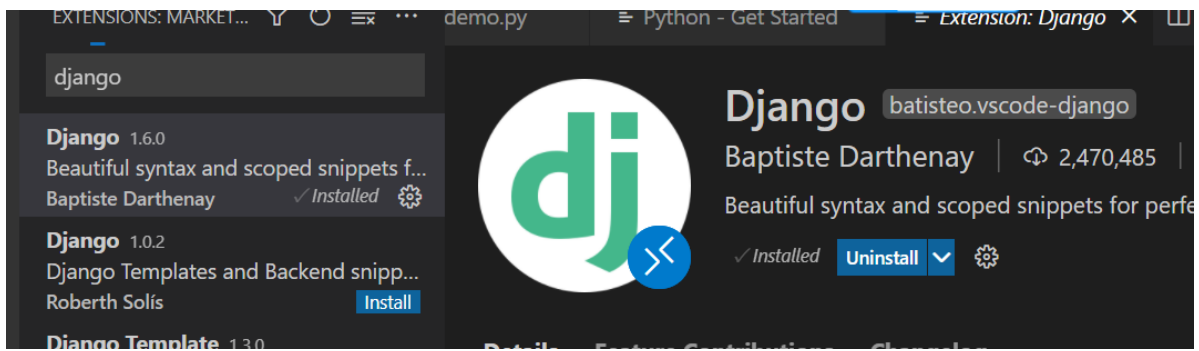
add a demo.py in the demo folder (using the right top, add file)



Install Pylance/Django/







new environment setup

```
melodie@ubuntu:~/Desktop/Django$ ls
demo
melodie@ubuntu:~/Desktop/Django$ mkdir env
melodie@ubuntu:~/Desktop/Django$ cd env
melodie@ubuntu:~/Desktop/Django/env$
```

```
melodie@ubuntu:~/Desktop/Django/env$ apt-get install python3-venv
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
melodie@ubuntu:~/Desktop/Django/env$ sudo apt-get install python3-venv
[sudo] password for melodie:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  distro-info
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  python-pip-whl python3-distutils python3.8-venv
The following NEW packages will be installed:
  python-pip-whl python3-distutils python3-venv python3.8-venv
0 upgraded, 4 newly installed, 0 to remove and 8 not upgraded.
Need to get 1,953 kB of archives.
After this operation, 3,746 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python-pip-whl all 20.0.2-5ubuntu1.5 [1,805 B]
Get:2 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3-distutils all 3.8.10-0ubuntu1~20.04 [14.4 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python3.8-venv amd64 3.8.5-1~20.04.3 [5,444 B]
Get:4 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 python3-venv amd64 3.8.2-0ubuntu2 [1,228 B]
Fetched 1,953 kB in 1s (2,678 kB/s)
Selecting previously unselected package python-pip-whl.
(Reading database ... 125759 files and directories currently installed.)
```

```
melodie@ubuntu:~/Desktop/Django/env$ python3 -m venv .
melodie@ubuntu:~/Desktop/Django/env$
```

Activate the environment

```
melodie@ubuntu:~/Desktop/Django/env$ source bin/activate
(env) melodie@ubuntu:~/Desktop/Django/env$
```

^ now it starts with (env)

Run demo.py

```
(env) melodie@ubuntu:~/Desktop/Django$ cd demo
(env) melodie@ubuntu:~/Desktop/Django/demo$ python3 demo.py
Django
```

check pip3 list

```
(env) melodie@ubuntu:~/Desktop/Django/demo$ pip3 list
Package          Version
-----
asgiref          3.3.4
Django           3.2.4
pip              20.0.2
pkg-resources    0.0.0
pytz             2021.1
setuptools       44.0.0
sqlparse         0.4.1
```

Start Django Project

```
(env) melodie@ubuntu:~/Desktop/Django/demo$ cd ../
(env) melodie@ubuntu:~/Desktop/Django$ django-admin startproj
ect MyWeb
(env) melodie@ubuntu:~/Desktop/Django$ cd MyWeb
```

```
(env) melodie@ubuntu:~/Desktop/Django/MyWeb$ python manage.py
runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work
properly until you apply the migrations for app(s): admin, a
uth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
June 17, 2021 - 03:30:36
Django version 3.2.4, using settings 'MyWeb.settings'
Starting development server at http://127.0.0.1:8000/
```

Successful



# django

View [release notes](#) for Django 3.2



The install worked successfully! Congratulations!

You are seeing this page because `DEBUG=True` is in your settings file and you have not configured any URLs.

Setting of 'url'

```
[17/Jun/2021 03:30:40] "GET /favicon.ico HTTP/1.1" 404 2109
(env) melodie@ubuntu:~/Desktop/Django/MyWeb$ python manage.py
runserver 0.0.0.0:8000
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work
properly until you apply the migrations for app(s): admin, a
uth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
June 17, 2021 - 03:35:45
Django version 3.2.4, using settings 'MyWeb.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.
[17/Jun/2021 03:35:48] "GET / HTTP/1.1" 200 10697
[17/Jun/2021 03:35:48] "GET /static/admin/css/fonts.css HTTP/
1.1" 304 0
[17/Jun/2021 03:35:48] "GET /static/admin/fonts/Roboto-Bold-w
ebfont.woff HTTP/1.1" 304 0
[17/Jun/2021 03:35:48] "GET /static/admin/fonts/Roboto-Regula
r-webfont.woff HTTP/1.1" 304 0
[17/Jun/2021 03:35:48] "GET /static/admin/fonts/Roboto-Light-
webfont.woff HTTP/1.1" 304 0
```


Baota

wget -O install.sh [http://download.bt.cn/install/install-ubuntu\\_6.0.sh](http://download.bt.cn/install/install-ubuntu_6.0.sh) && sudo bash install.sh


log in

change password

install Nginx 18

 Nginx	官方	轻量级，占有内存少，并发能力强	免费	--
---	----	-----------------	----	----

Install MYSQL 5.5

 MySQL	官方	MySQL是一种关系数据库管理系统!	免费	--
---	----	--------------------	----	----

Installing . . . . .

消息盒子

任务列表(2)

消息列表(0)

执行日志

● 安装[nginx-1.18]

正在安装 .... | 关闭

Linking /etc/aliases to /etc/mail/aliases

Informational: ALIAS\_FILE file empty: /etc/mail/aliases

Updating /etc/mail/aliases...

WARNING: local host name (ubuntu) is not qualified; see cf/README: WHO AM I?

/etc/mail/aliases: 0 aliases, longest 0 bytes, 0 bytes total

Warning: 3 database(s) sources were not found, (but were created) please investigate.

● 安装[mysql-5.5]

等待 | 删除