9.Update system software sources

1.Enter the following command to back up the original software source so that you can change back to the original software source at any time.

```
sudo cp –v /etc/apt/sources.list /etc/apt/sources.list.backup
```

```
dofbot@Dofbot:~$ sudo cp –v /etc/apt/sources.list /etc/apt/sources.list.backup
[sudo] password for dofbot:
'/etc/apt/sources.list' -> '/etc/apt/sources.list.backup'
dofbot@Dofbot:~$
```

2.lnput the following command to change the permissions of the file.

```
sudo chmod 777 /etc/apt/sources.list
```

```
dofbot@Dofbot:~$ sudo chmod 777 /etc/apt/sources.list
dofbot@Dofbot:~$
```

3.Open the source file for editing, and add a pound sign '#' at the beginning of each line of the original file to comment out the original code.

```
sudo nano /etc/apt/sources.list
```

```
dofbot@Dofbot:~$ sudo nano /etc/apt/sources.list
dofbot@Dofbot:~$
```

Then, enter the following content (right-click in Putty to paste).

deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal main restricted universe multiverse

deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-security main restricted universe multiverse

deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-updates main restricted universe multiverse

deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-proposed main restricted universe multiverse

deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-backports main restricted universe multiverse

deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal main restricted universe multiverse

deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-security main restricted universe multiverse

deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-updates main restricted universe multiverse

deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-proposed main restricted universe multiverse

deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-backports main restricted universe multiverse

```
#deb http://ports.ubuntu.com/ubuntu-ports/ focal main restricted universe multi
#deb http://ports.ubuntu.com/ubuntu-ports/ focal-security main restricted unive
#deb http://ports.ubuntu.com/ubuntu-ports/ focal-updates main restricted univer

deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal main restricted uni
deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-security main restr
deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-updates main restri
deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-proposed main restr
deb http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-backports main rest
deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal main restricted
deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-security main r
deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-updates main re
deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-proposed main r
deb-src http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports/ focal-backports main
```

After the input is completed, press Ctrl+S to save, and then press Ctrl+X to exit.

4.Input the following command to update the software source

```
sudo apt update
```

```
dofbot@Dofbot:~$ sudo apt update
Get:1 http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports focal InRelease [265 kB]
Get:2 http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports focal-security InRelease
[107 kB]
Get:3 http://mirrors.tuna.tsinghua.edu.cn/ubuntu-ports focal-updates InRelease [
111 kB]
0% [Working]                                          61.8 kB/s 7min 5s
```

When you see the following message, it means that the software source update is completed.

```
rm64 Packages [4,444 B]
Get:78 http://ppa.launchpad.net/ubuntu-pi-flavour-makers/ppa/ubuntu focal/main T
ranslation-en [2,936 B]
Fetched 30.9 MB in 17s (1,787 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
168 packages can be upgraded. Run 'apt list --upgradable' to see them.
dofbot@Dofbot:~$
```