Operating system: Windows 10

Bash version: 5.2 Python version: 3.11

I used Rstudio for writting the python codes in question 3, need to install the reticulate

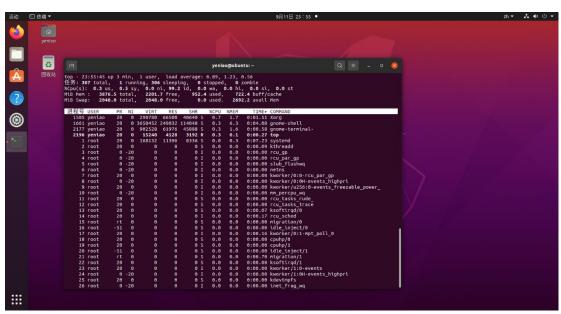
library;

import xml.etree.ElementTree as ET

import pandas as pd

import re

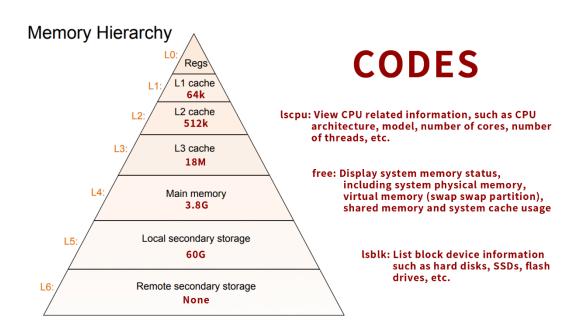
## 1.1.



## 1.2.

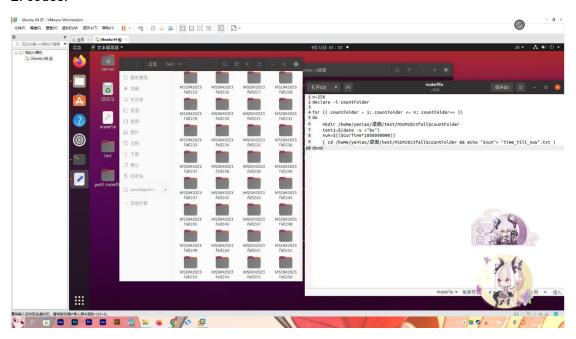
```
yeniao@ubuntu:~$ lsblk
NAME
       MAJ:MIN RM
                     SIZE RO TYPE MOUNTPOINT
                           1 loop /snap/bare/5
loop0
         7:0
                0
                       4K
loop1
         7:1
                0
                      55M
                          1 loop /snap/core18/1705
                          1 loop /snap/gnome-3-34-1804/93
loop2
         7:2
                0 218.4M
                           1 loop /snap/gnome-3-34-1804/24
loop3
         7:3
                0 240.8M
                          1 loop /snap/gtk-common-themes/1506
loop4
         7:4
                0
                   62.1M
loop5
         7:5
                0
                   91.7M
                          1 loop /snap/gtk-common-themes/1535
loop6
         7:6
                   49.8M
                          1 loop /snap/snap-store/433
                0
loop7
                          1 loop /snap/snapd/7264
         7:7
                0
                    27.1M
loop8
         7:8
                0
                   73.9M
                          1 loop /snap/core22/864
loop9
         7:9
                0
                    12.3M
                           1 loop /snap/snap-store/959
sda
         8:0
                0
                      60G
                           0 disk
                          0 part /boot/efi
                0
 -sda1
         8:1
                     512M
 -sda2
         8:2
                0
                       1K
                           0 part
  sda5
         8:5
                0
                    59.5G
                           0 part /
sr0
        11:0
                    1024M
                           0 rom
```

yeniao@ubu 内存: 交换:	intu:~\$ free 总计 3876 2047	-m 已用 982 0	空闲 1826 2047	共享 3	缓冲/缓存 <sup>1067</sup>	可用 2658
yentao@ubu 内存: 交换:	mtu:~\$ free 总计 3.8Gi 2.0Gi	-h 已用 982Mi 0B	空闲 1.8Gi 2.0Gi	共享 3.0Mi	缓冲/缓存 1.0Gi	可用 2.6Gi



1.3. Open the cdvar path and view the last 50 lines of the tree diagram:

## 2. codes:



## Each file's content



- 3.Please check the <a href="hw1.q3.py">hw1.q3.html</a> files in the zip.
- 4. https://ksye6.github.io/ksye6/