Homework 09

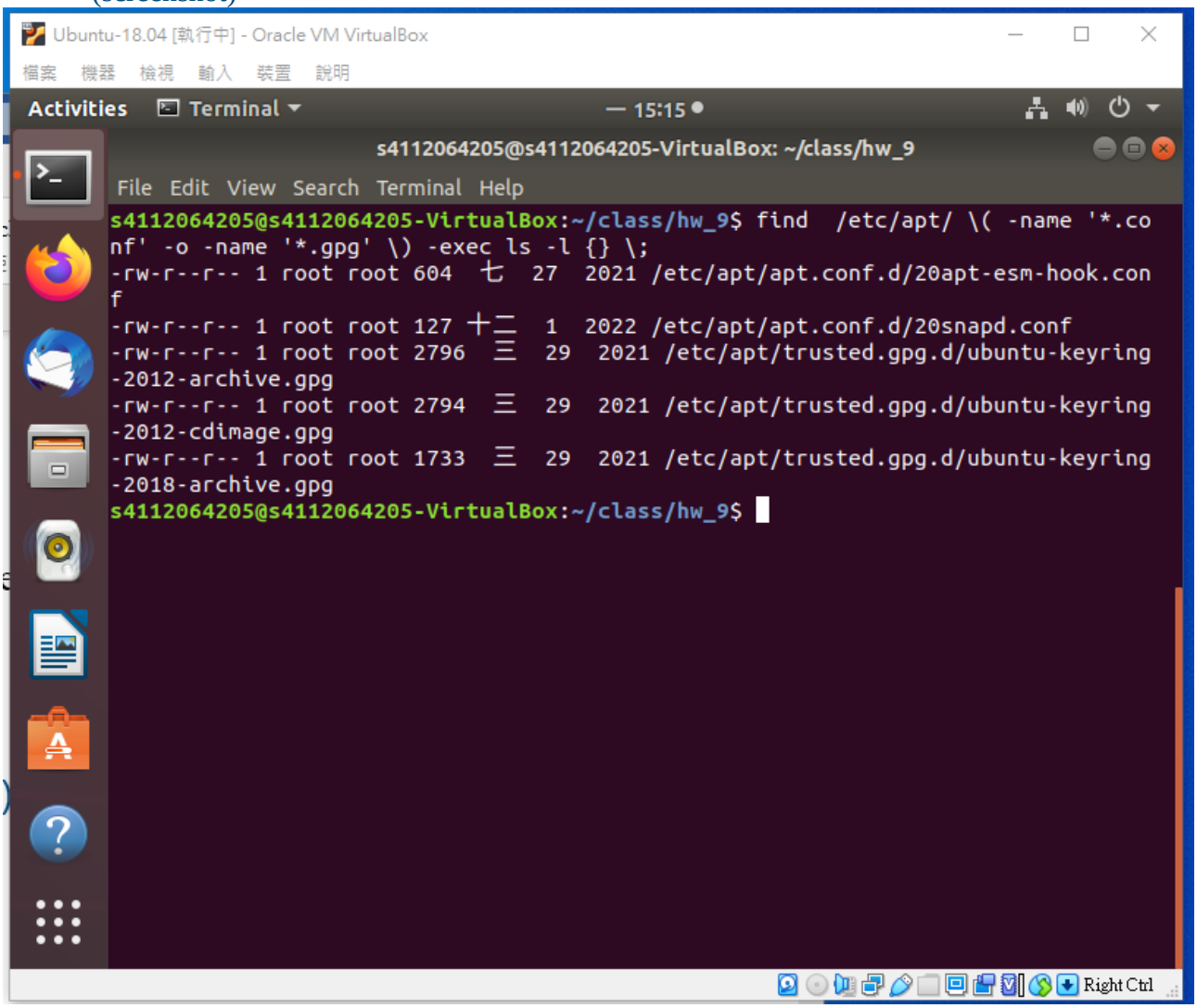
1. Show the detailed information of all files whose names end with “.conf” or “.gpg” at all levels under the directory “/etc/apt/“.

ANS:

(command)

find /etc/apt/ \(-name ‘*.conf’ -o -name ‘*.gpg’ \) -exec ls -l {} \;

(screenshot)



2 is a Question Group

2. Follow the following steps:
   a. Use command “`sudo apt install git`” to install git
   b. Use command “`git clone https://gitlab.com/aidslab902/unix-class.git`” to download the directory “`unix-class/`”.
   c. Change the working directory to “`unix-class/hw9/`” and answer the below questions.

I. Use regular expression to find the lines contains “`.obstacle {`” in the file “`index.html`” and show the corresponding line number.

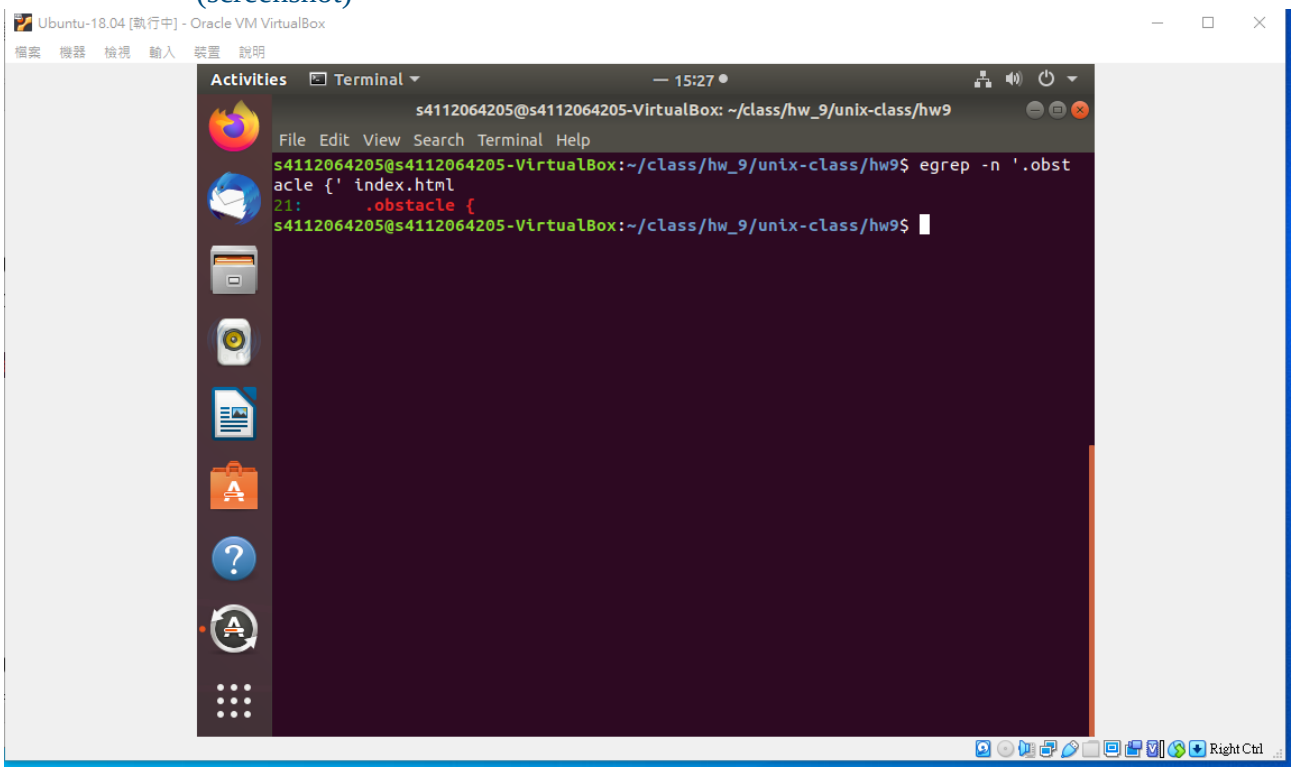
Example: `21:      .obstacle {`

ANS:

(command)

```
egrep -n '.obstacle {' index.html
```

(screenshot)



II. Use regular expression to find the lines contains “`@app.route('/')`” in the file “`app.py`” and show the corresponding line number. (All text in that line should be all red.)

Example:

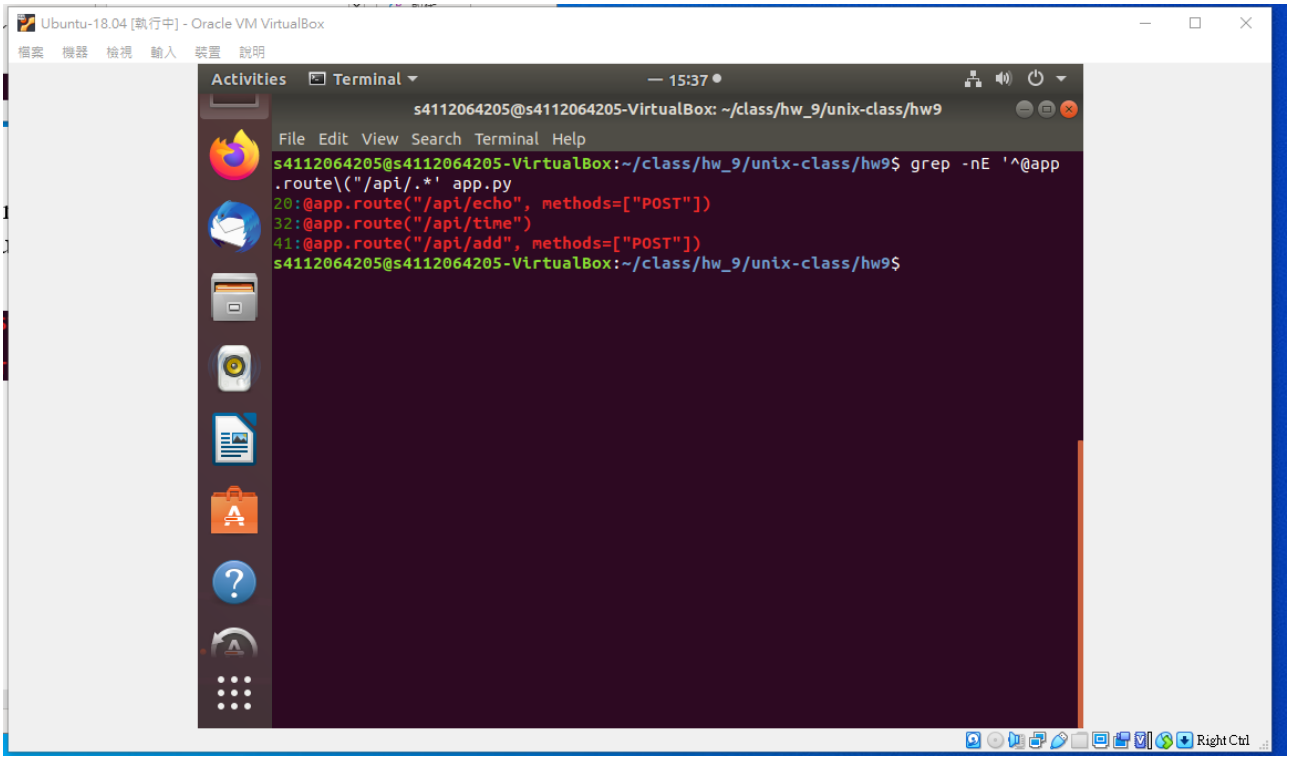
```
20:@app.route("/api/echo", methods=["POST"])
32:@app.route("/api/time")
41:@app.route("/api/add", methods=["POST"])
```

ANS:

(command)

```
grep -nE '^@app.route\("/api/.*' app.py
```

(screenshot)



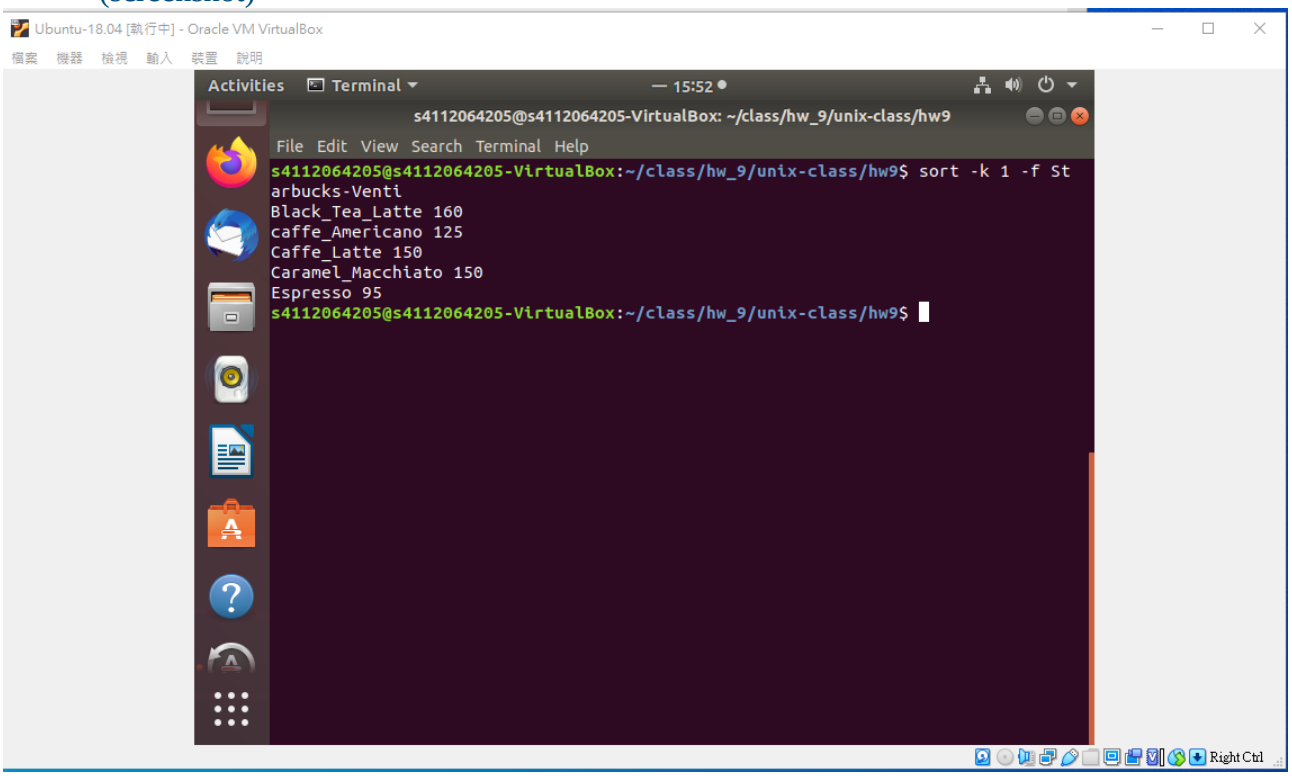
III. Sort file “Starbucks-Venti” in ascending order using the first column (with the leftmost column as the first) and you should ignore lowercase and uppercase (= consider lowercase and uppercase be equivalent)

ANS:

(command)

sort -k 1 -f Starbucks-Venti

(screenshot)



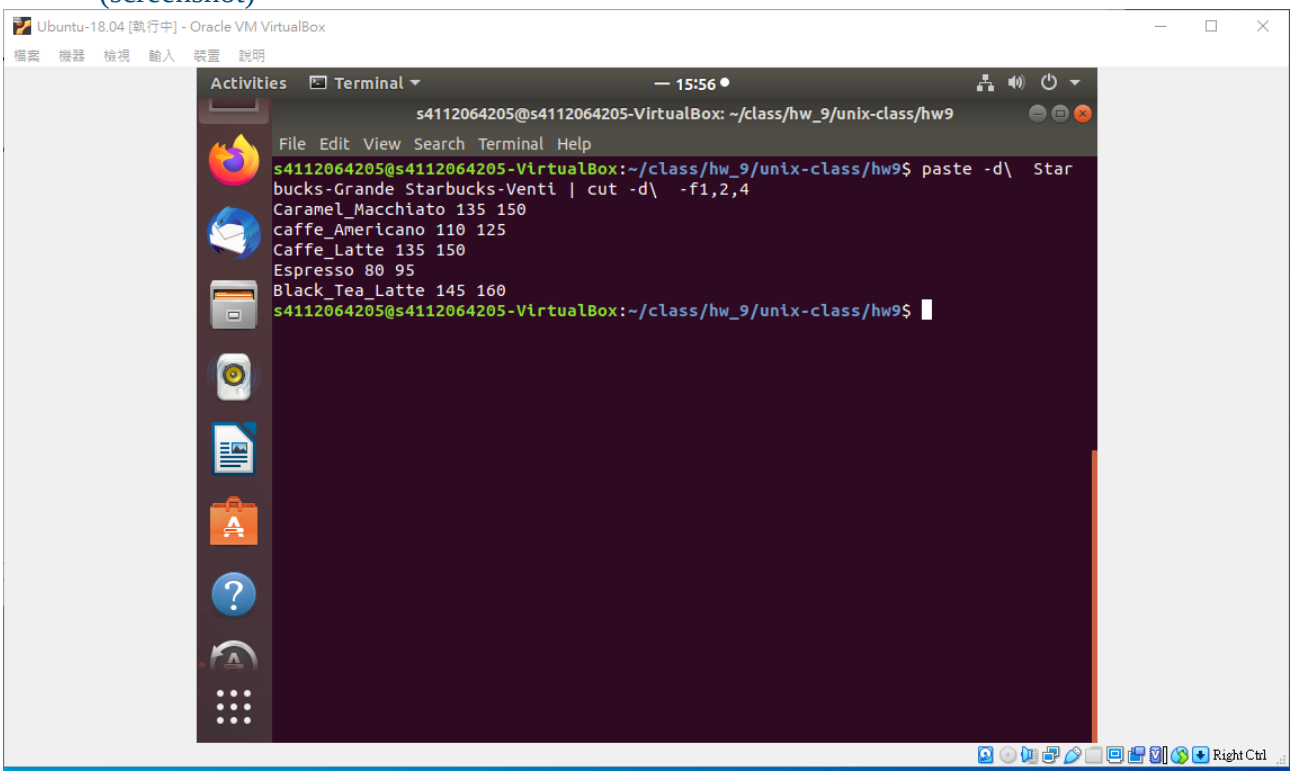
IV. Only use “cut” and “paste” to display a table that only has drink_name, Grande_price, Venti_price at column 1, 2, 3.

ANS:

(command)

```
Paste -d\  Starbucks-Grande Starbucks-Venti | cut -d\  -f1,2,4
```

(screenshot)



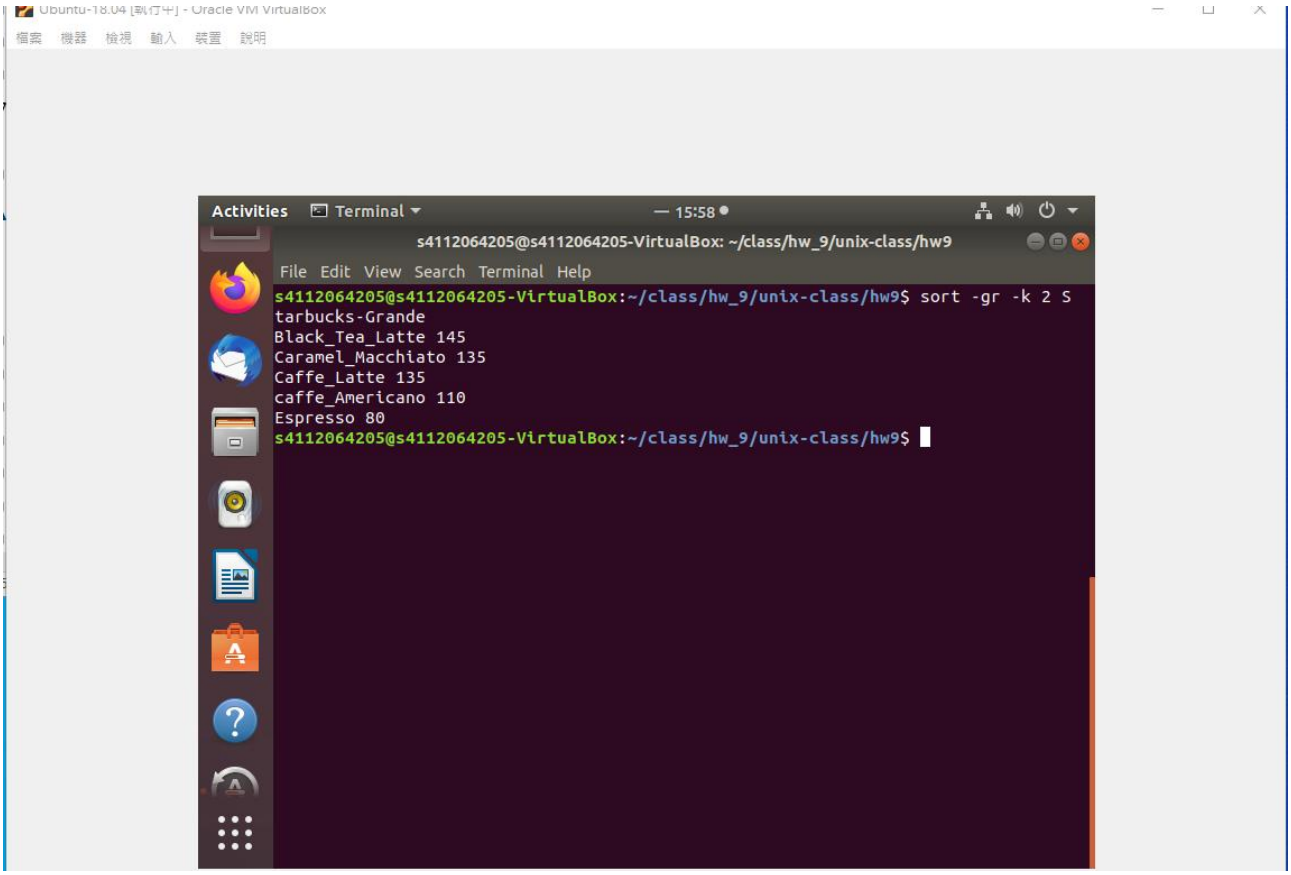
V. Sort file “Starbucks-Grande” in descending order using the second column (with the leftmost column as the first) and the sorting must be based on actual numeric values.

ANS:

(command)

```
sort -gr -k 2 Starbucks-Grande
```

(screenshot)


Ubuntu-18.04 [執行中] - Oracle VM VirtualBox
檔案 機器 檢視 輸入 裝置 說明
Activities
Terminal
15:58
s4112064205@s4112064205-VirtualBox: ~/class/hw_9/unix-class/hw9
File Edit View Search Terminal Help
s4112064205@s4112064205-VirtualBox:~/class/hw_9/unix-class/hw9$ sort -gr -k 2 S
tarbucks-Grande
Black_Tea_Latte 145
Caramel_Macchiato 135
Caffe_Latte 135
caffe_Americano 110
Espresso 80
s4112064205@s4112064205-VirtualBox:~/class/hw_9/unix-class/hw9$