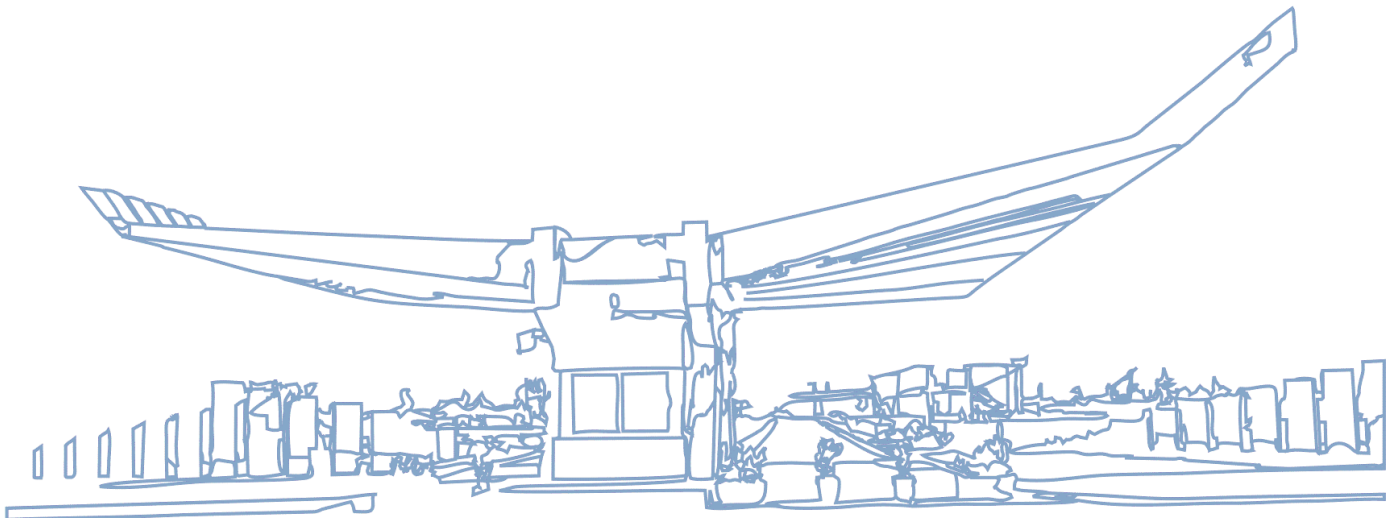# CEN 571 – Data Mining

Assignment 02- Question 1

PREPARED:

Baftjar TABAKU

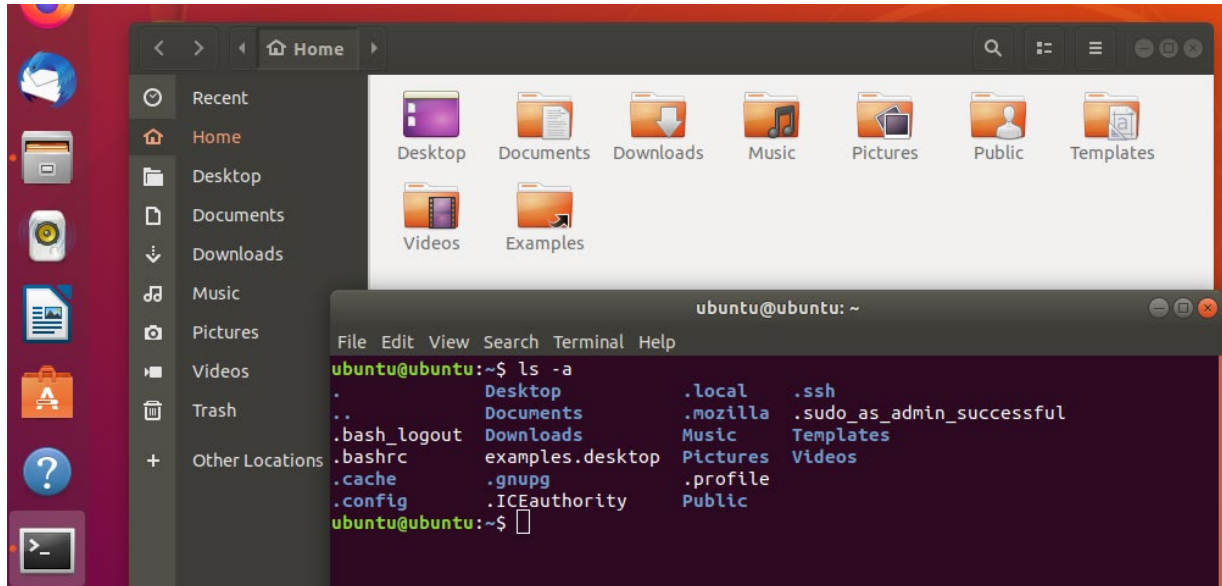**19.04.2020**
Epoka University
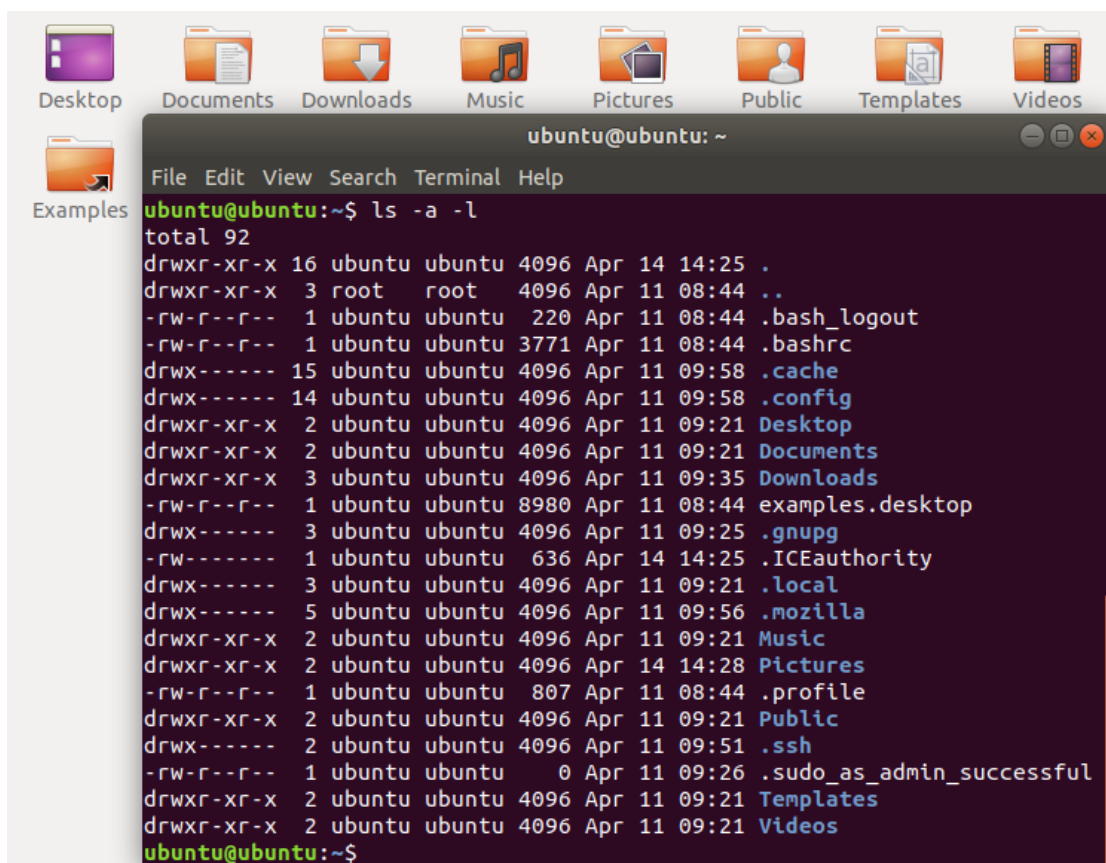Tirana, ALBANIA

ACCEPTED:

Prof.Dr. Arben Asllani

Question 1
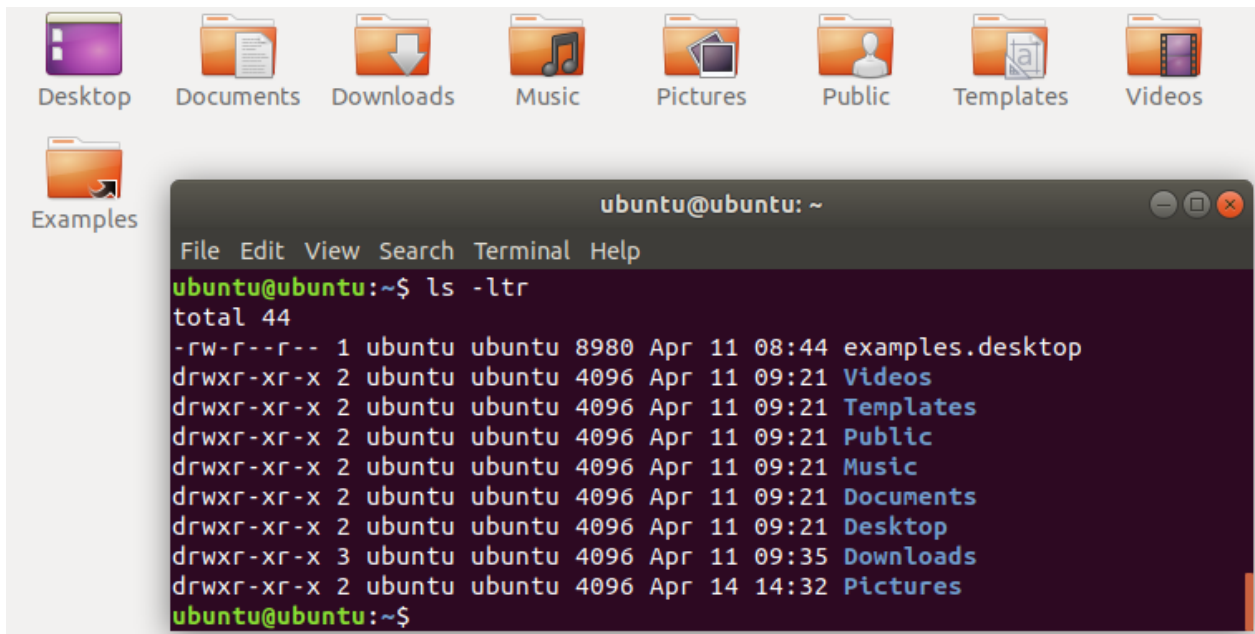
Basic Linux commands, implemented in Ubuntu.

1. Displaying all files and folders in the current directory Displays all files including hidden ones too.
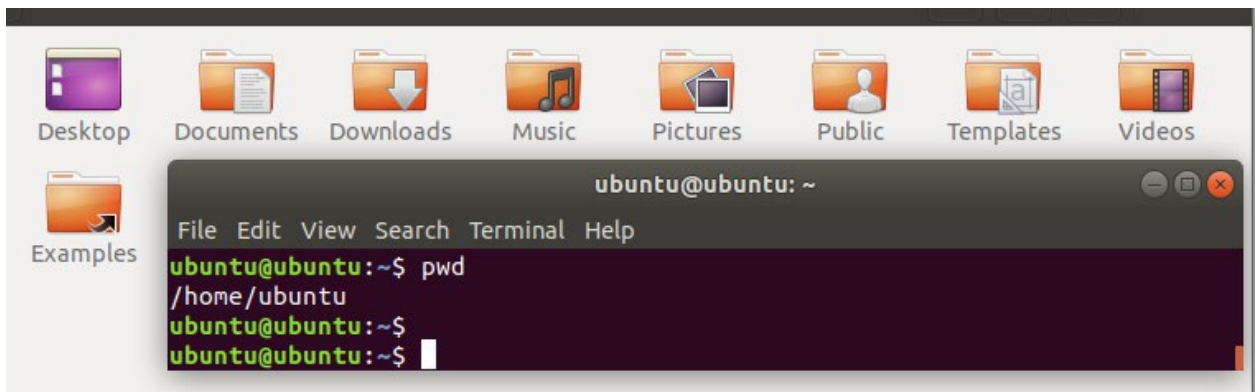

2. Displaying all files (optionally also the hidden too) along with size and time stamp.
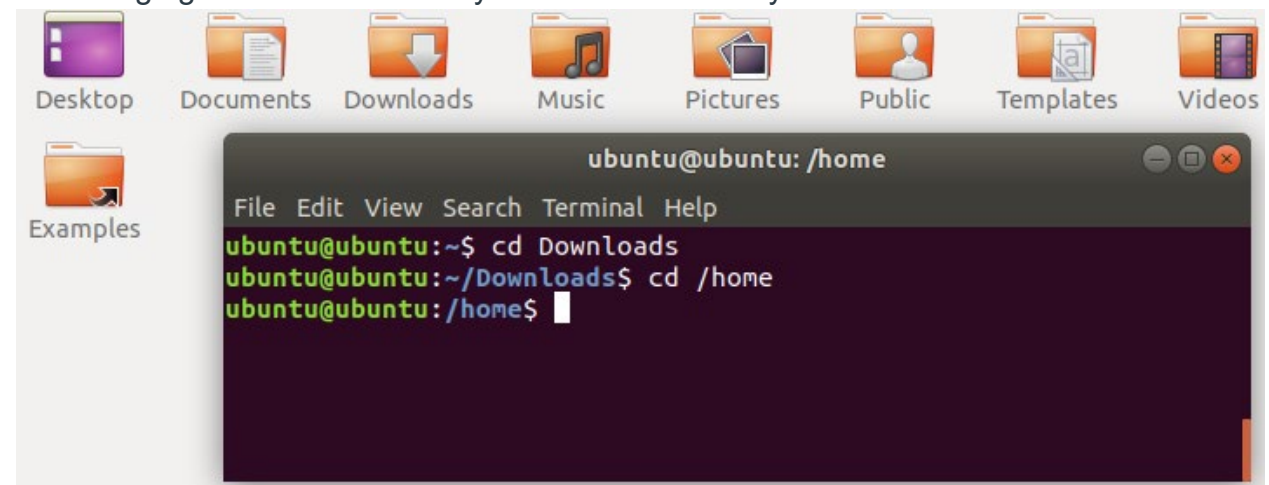
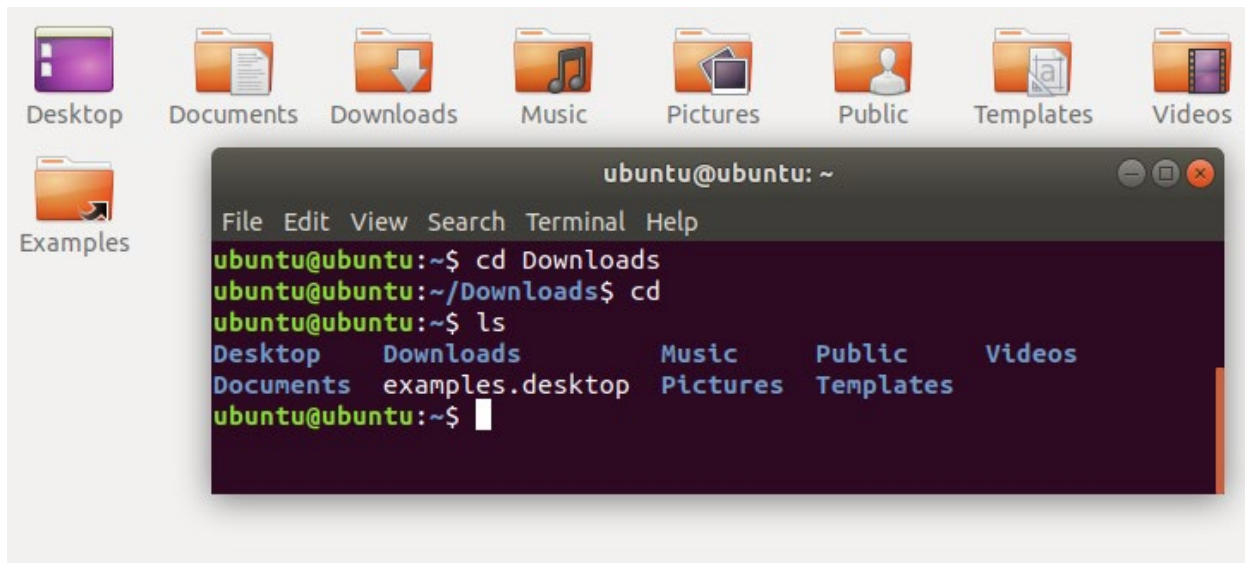3. Displaying in long listing format with timestamp in reverse order

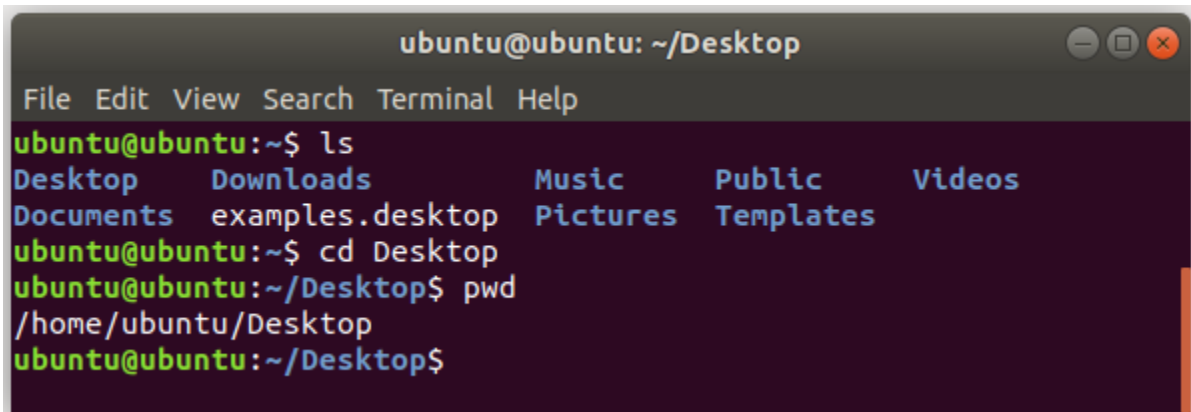4. Displaying the "present working directory"

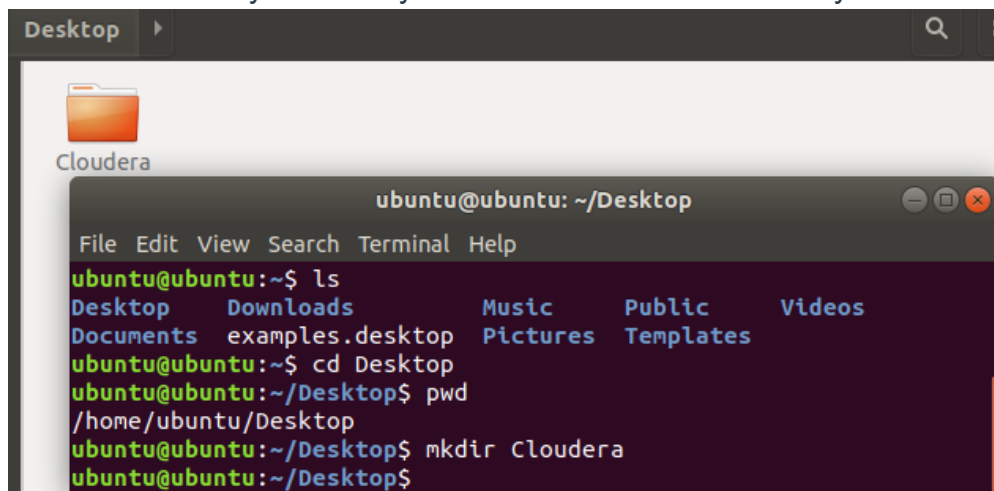5. Changing the current directory to "HOME" directory
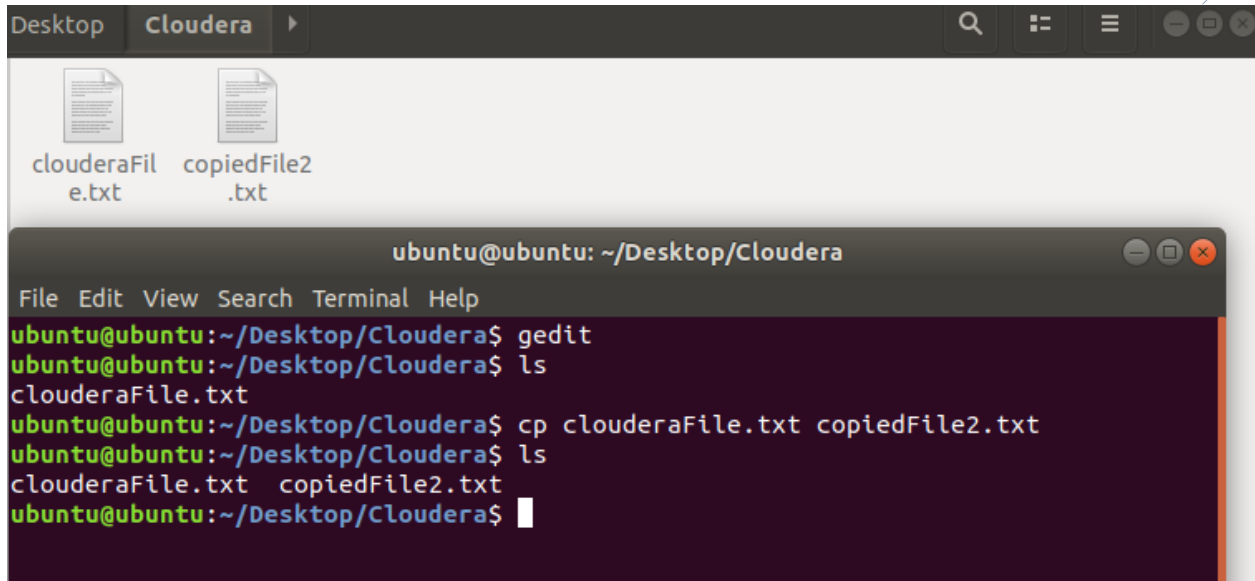
Or directly by typing "cd"

6. Look for a directory name desktop in the current working directory and changes to that.
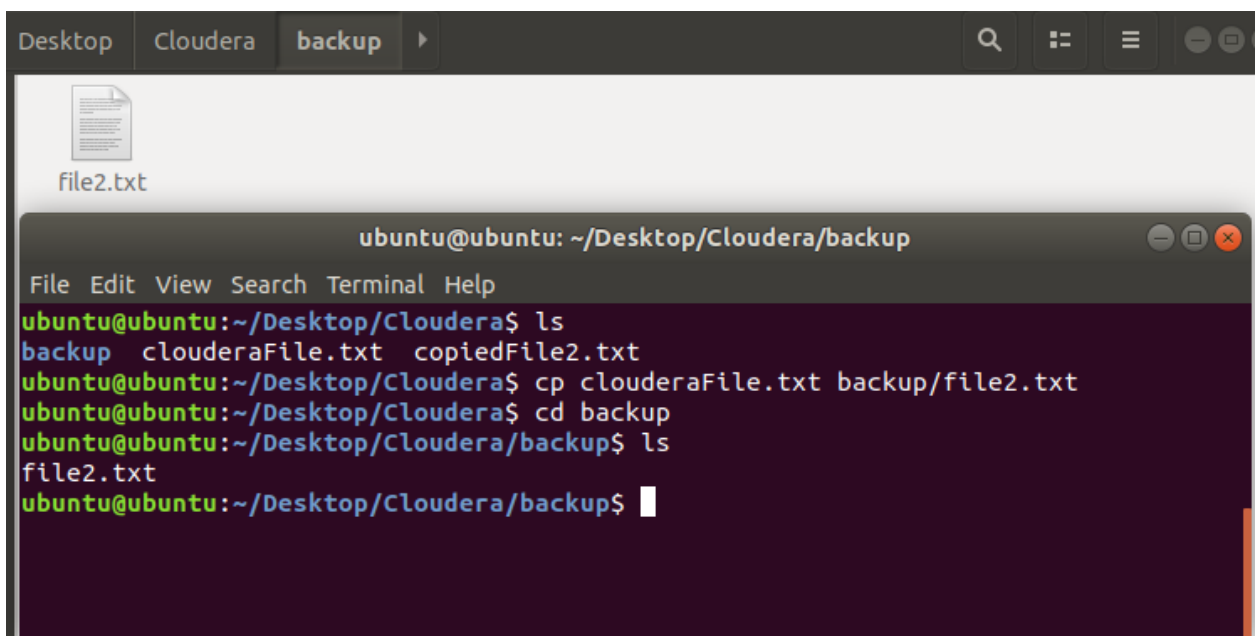

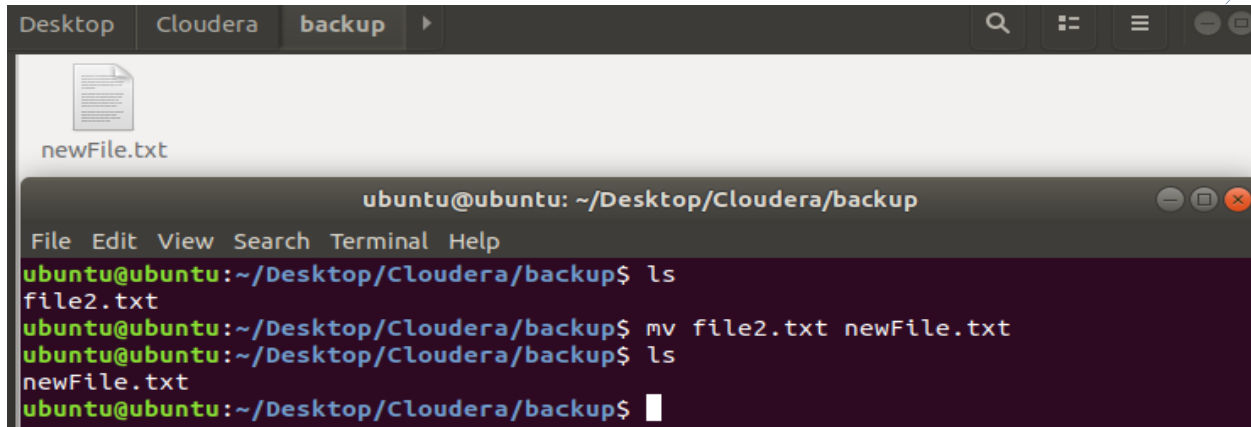7. Create a directory <directory name> in the current directory

8. Create a copy of file in same directory.

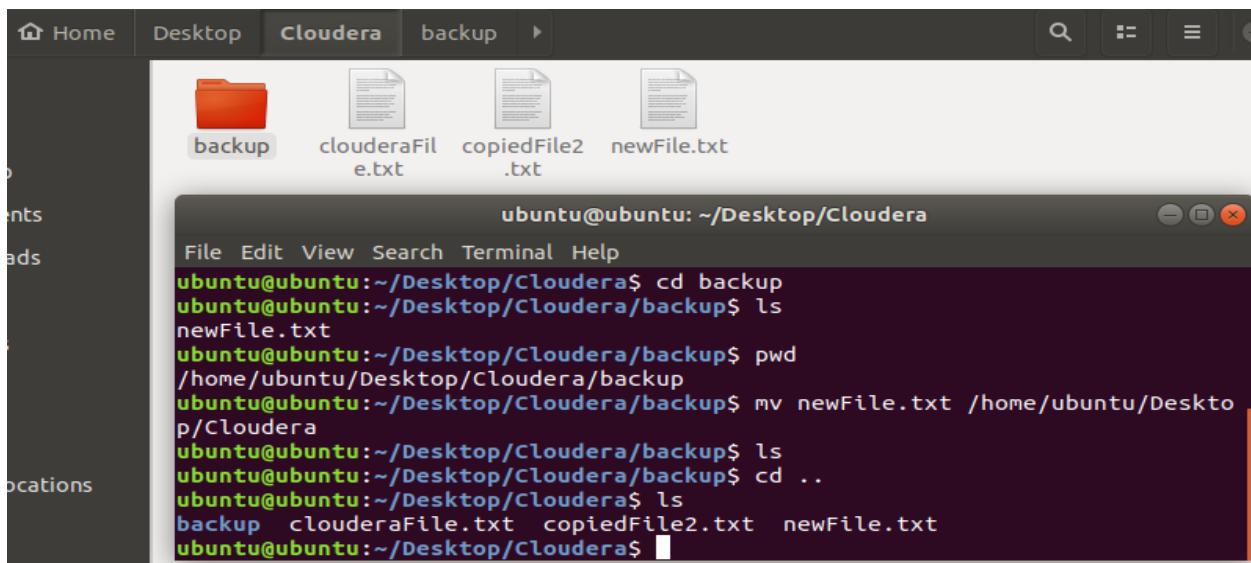9. Create a copy of file in different directory

10. Rename a file
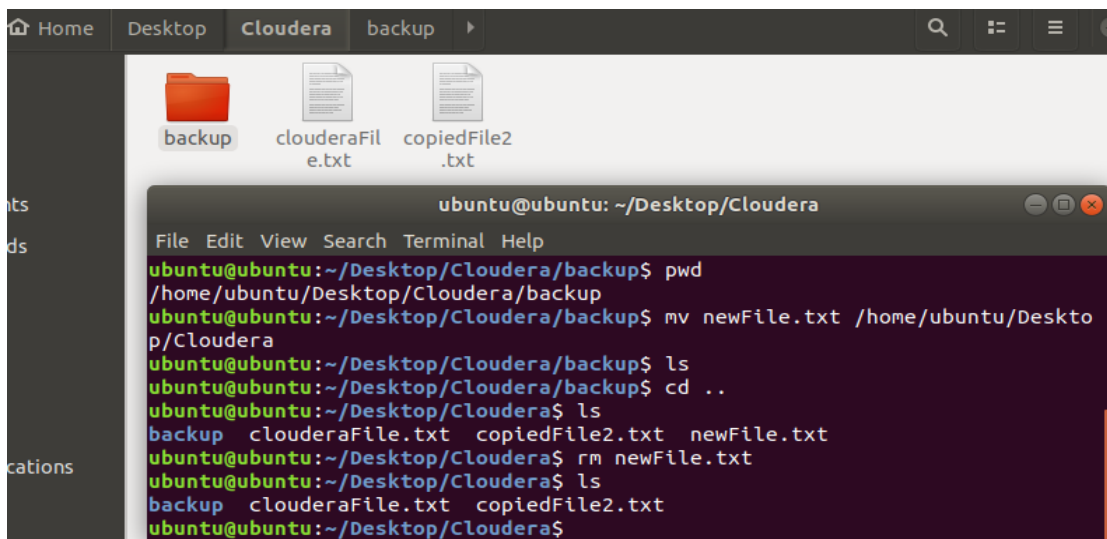
11. Move file from one directory to another

12. Delete a file

13. Delete an empty directory

As we see the 'backup' directory now is a empty directory, and we delete it.

14. Delete a directory with files.

A new directory 'files' was created and there added a copy of two files, the we delete it.

15. Viewing files

After creating some files and adding some certain text, we will view it

16. Open vi editor to edit file
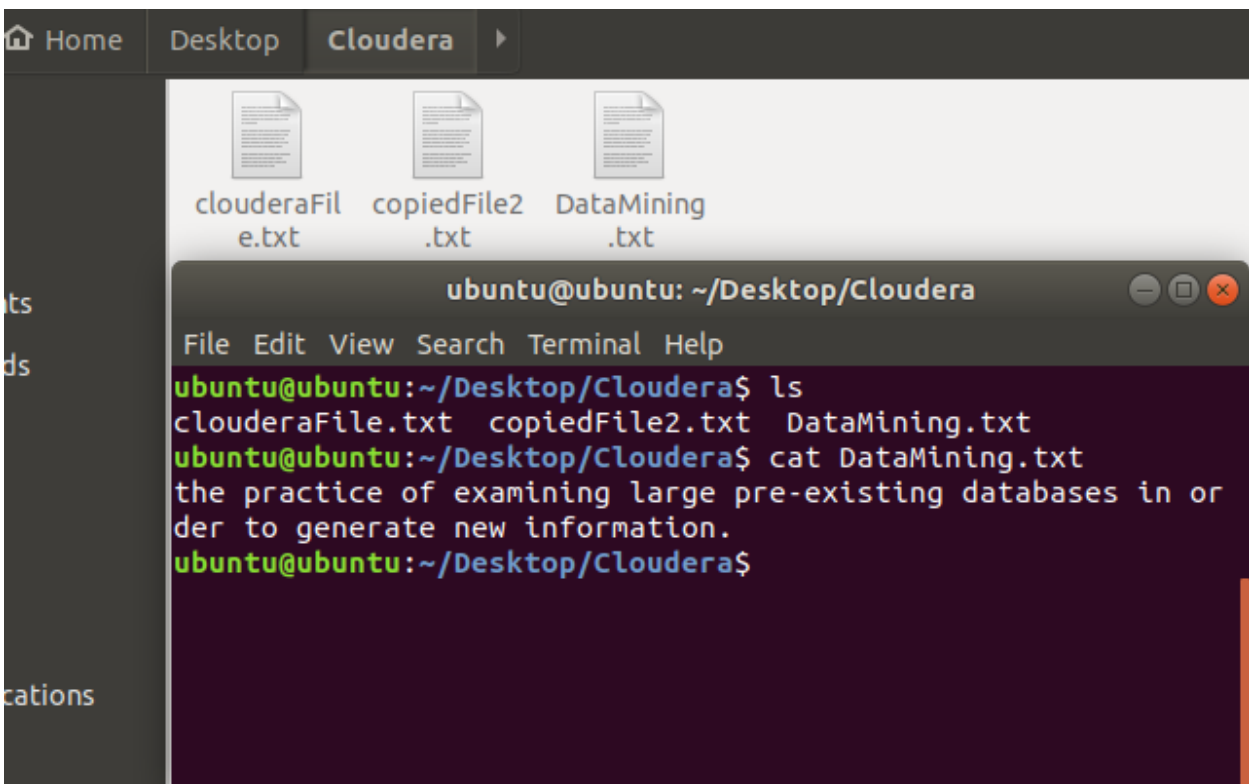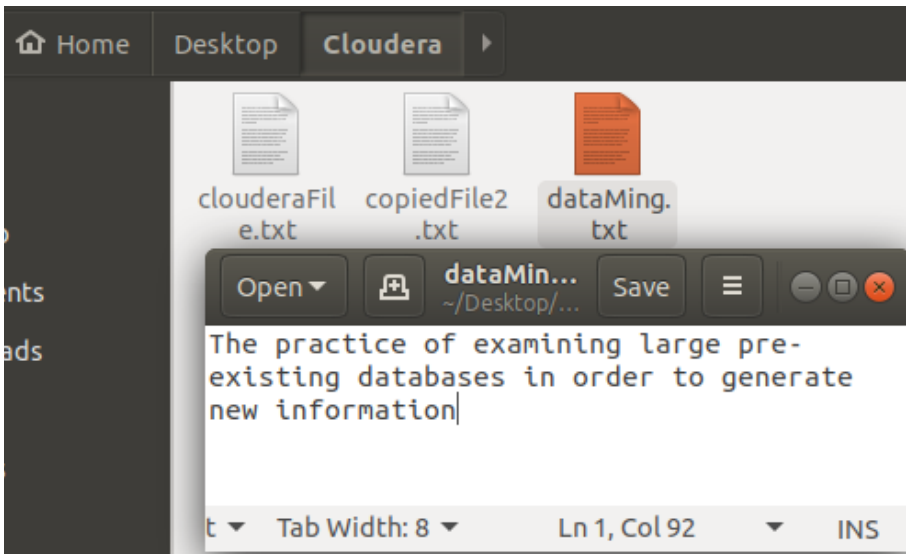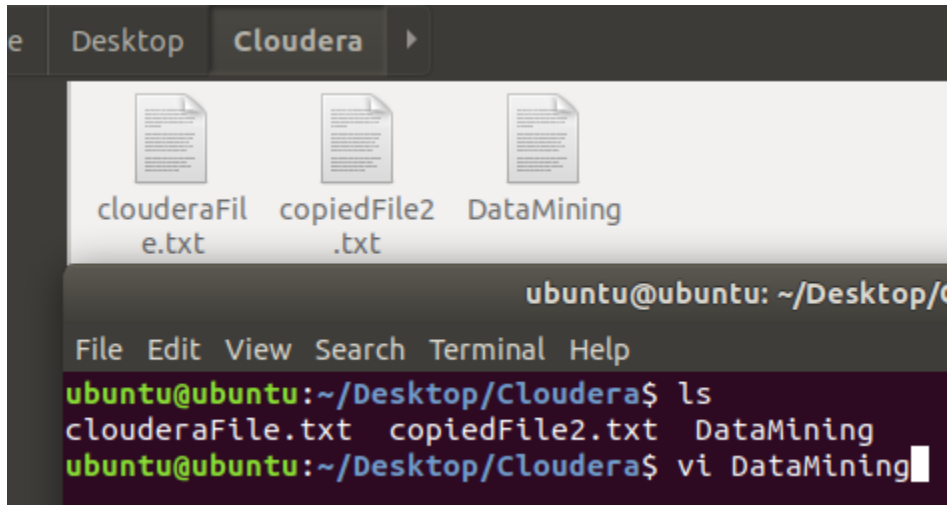
17. Quit editor

On vim editor, pressing ':' and 'q' and hitting 'enter' will exit,

18. Write on a file

Adding the text in the begin, 'hi all, i am writing using Vim editor,'

19. Quit editor

```
~
~
~
:!
```


ubuntu@ubuntu: ~/Desktop/Cloudera

File Edit View Search Terminal Help

ubuntu@ubuntu:~/Desktop/Cloudera$ vi DataMining

[No write since last change]

Press ENTER or type command to continue

20. Display size of files

Terminal ▼   Tue 15:49

Home   Desktop   Cloudera

ubuntu@ubuntu: ~/Desktop

File Edit View Search Terminal Help

ubuntu@ubuntu:~/Desktop/Cloudera$ ls
clouderaFile.txt   copiedFile2.txt   DataMining
ubuntu@ubuntu:~/Desktop/Cloudera$ cd ..
ubuntu@ubuntu:~/Desktop$ ls
Cloudera
ubuntu@ubuntu:~/Desktop$ du -h Cloudera/
80K   Cloudera/
ubuntu@ubuntu:~/Desktop$

Terminal ▼   Tue 15:51

Home   Desktop   Cloudera

ubuntu@ubuntu: ~/Desktop

File Edit View Search Terminal Help

ubuntu@ubuntu:~/Desktop/Cloudera$ ls
clouderaFile.txt   copiedFile2.txt   DataMining
ubuntu@ubuntu:~/Desktop/Cloudera$ cd ..
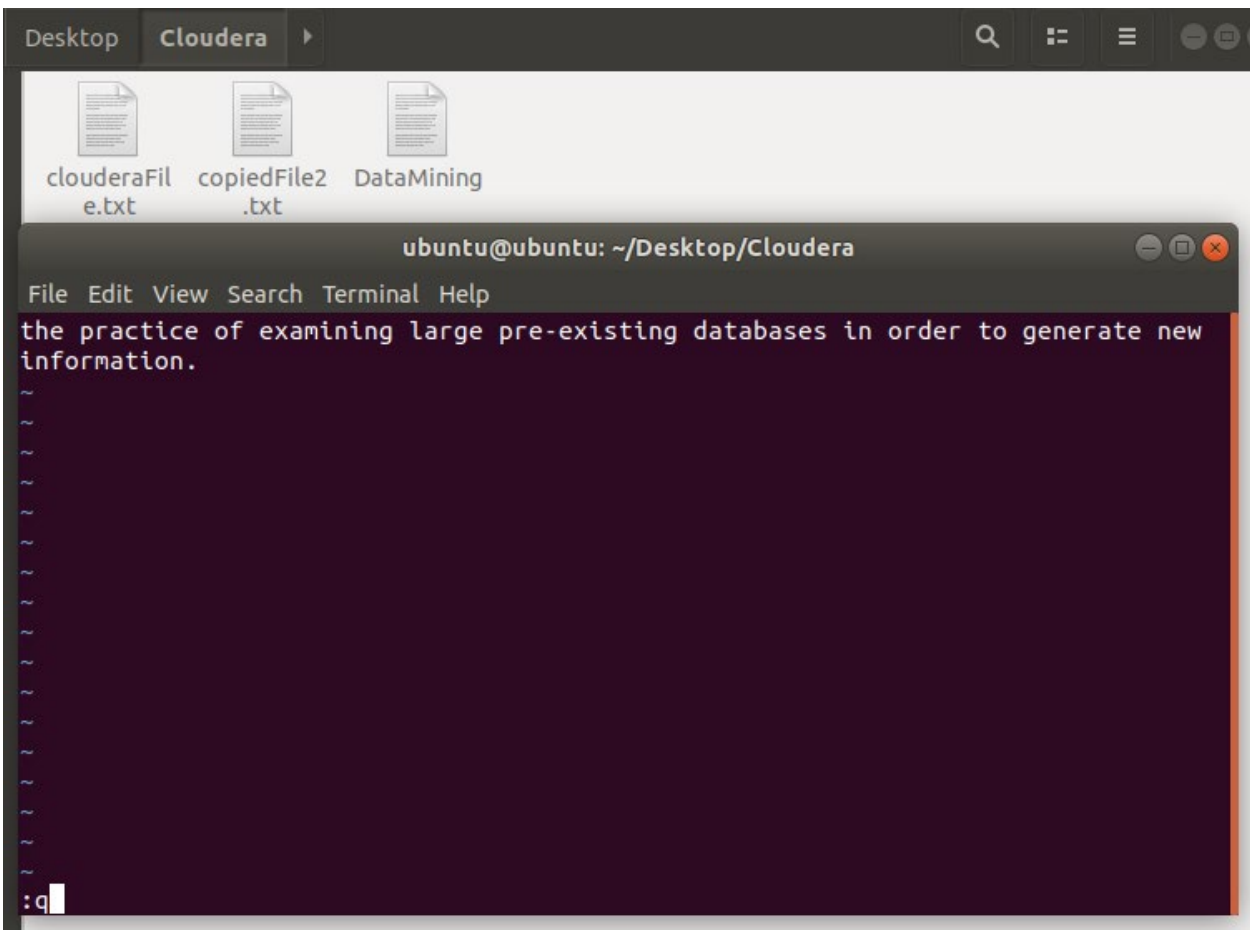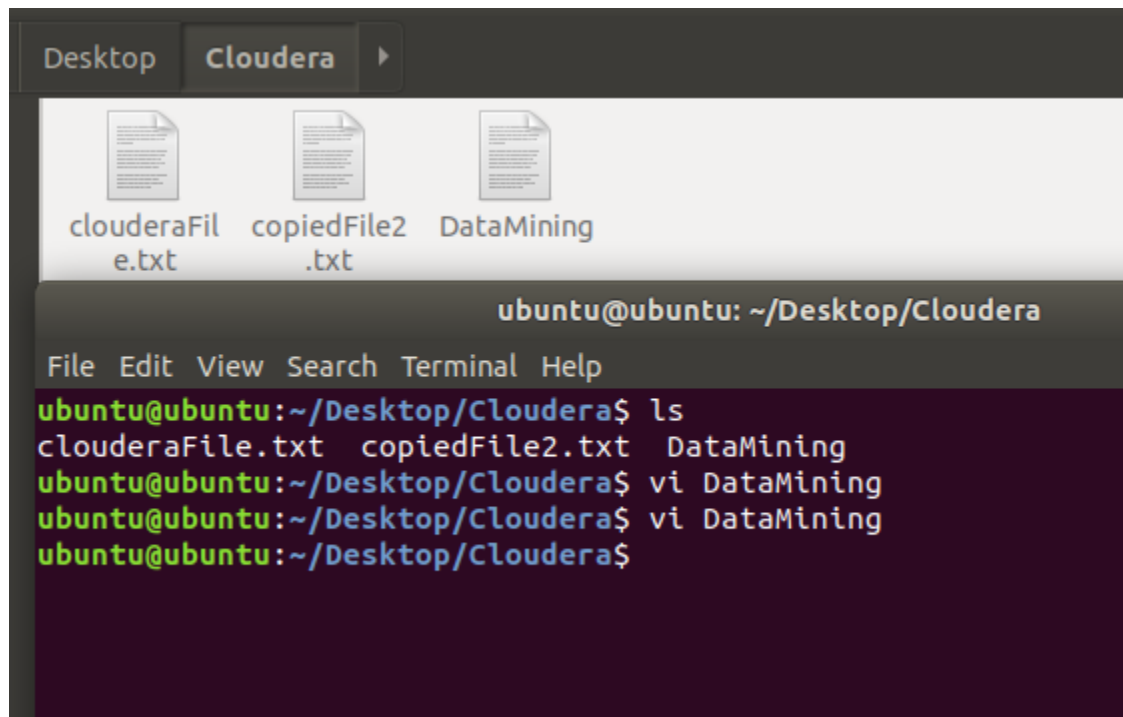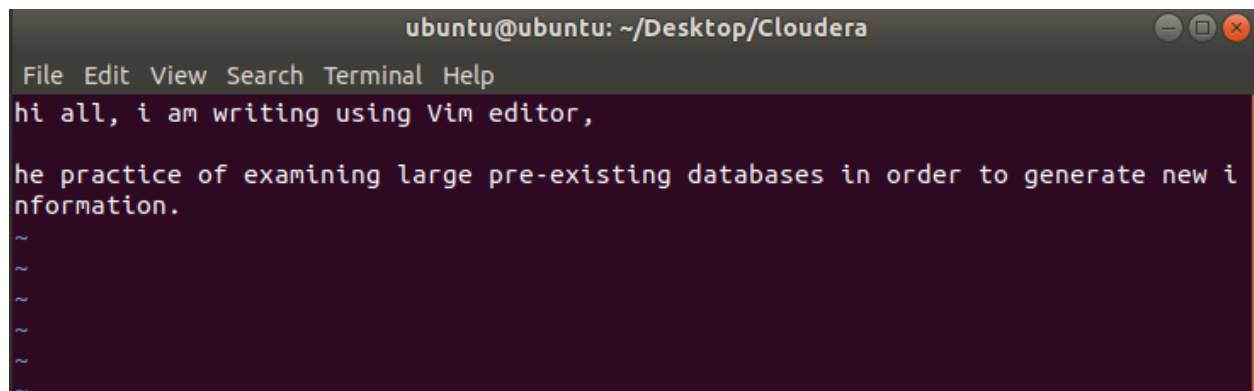ubuntu@ubuntu:~/Desktop$ ls
Cloudera
ubuntu@ubuntu:~/Desktop$ du -h Cloudera/
80K   Cloudera/
ubuntu@ubuntu:~/Desktop$ du -h Cloudera/*
0   Cloudera/clouderaFile.txt
0   Cloudera/copiedFile2.txt
4.0K   Cloudera/DataMining
ubuntu@ubuntu:~/Desktop$

21. Change group of file/directory

First as we list here, we can see that the group of these files is 'ubuntu', and the user is 'ubuntu'.

So, to change we first create another group, and we proceed furthermore,

So now is another group with the same user as shown below,

22. Create a group <group name> and a user <_user>

   Creating a group 'cloudera_group' and a user 'cloudera_user',

23. Change Group for a given file

24. Change file/directory permissions with chmod 777

```
ubuntu@ubuntu:~/Desktop/Cloudera$ ls
clouderaFile.txt   copiedFile2.txt   DataMining
ubuntu@ubuntu:~/Desktop/Cloudera$ chmod 777 clouderaFile.txt
ubuntu@ubuntu:~/Desktop/Cloudera$
```

25. Change owner

The owner and the group of 'copiedFile2.txt' is ubuntu, for the user and group.

```
ubuntu@ubuntu:~/Desktop/Cloudera$ ls -ltr
total 4
-rwxrwxrwx 1 ubuntu data mining  0 Apr 14 14:52 clouderaFile.txt
-rw-r--r-- 1 ubuntu ubuntu       0 Apr 14 14:52 copiedFile2.txt
-rw-r--r-- 1 ubuntu ubuntu      93 Apr 14 15:26 DataMining
ubuntu@ubuntu:~/Desktop/Cloudera$
```

And there after changing group and the user,

```
ubuntu@ubuntu:~/Desktop/Cloudera$ sudo chown cloudera_user:cloudera_group copiedFile2.txt
ubuntu@ubuntu:~/Desktop/Cloudera$ ls -ltr
total 4
-rwxrwxrwx 1 ubuntu         data_mining     0 Apr 14 14:52 clouderaFile.txt
-rw-r--r-- 1 cloudera_user  cloudera_group  0 Apr 14 14:52 copiedFile2.txt
-rw-r--r-- 1 ubuntu         ubuntu         93 Apr 14 15:26 DataMining
ubuntu@ubuntu:~/Desktop/Cloudera$
```