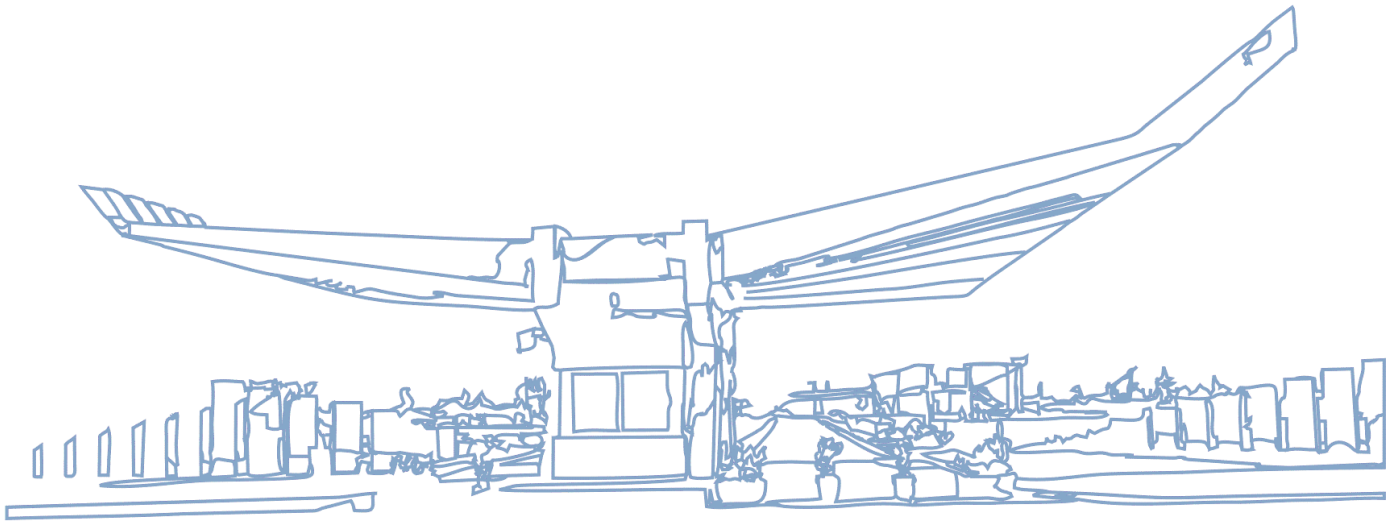
EPOKA UNIVERSITY | Computer Engineering Department

CEN 571 – Data Mining

Assignment 02- Question 1



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Tirana, ALBANIA

ACCEPTED:
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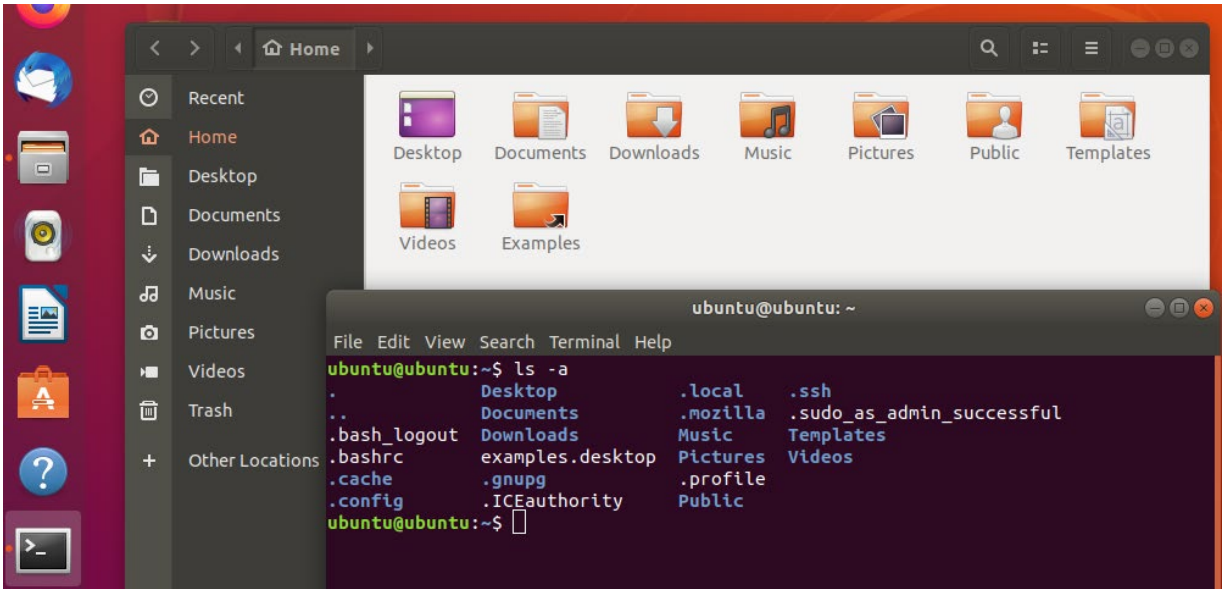
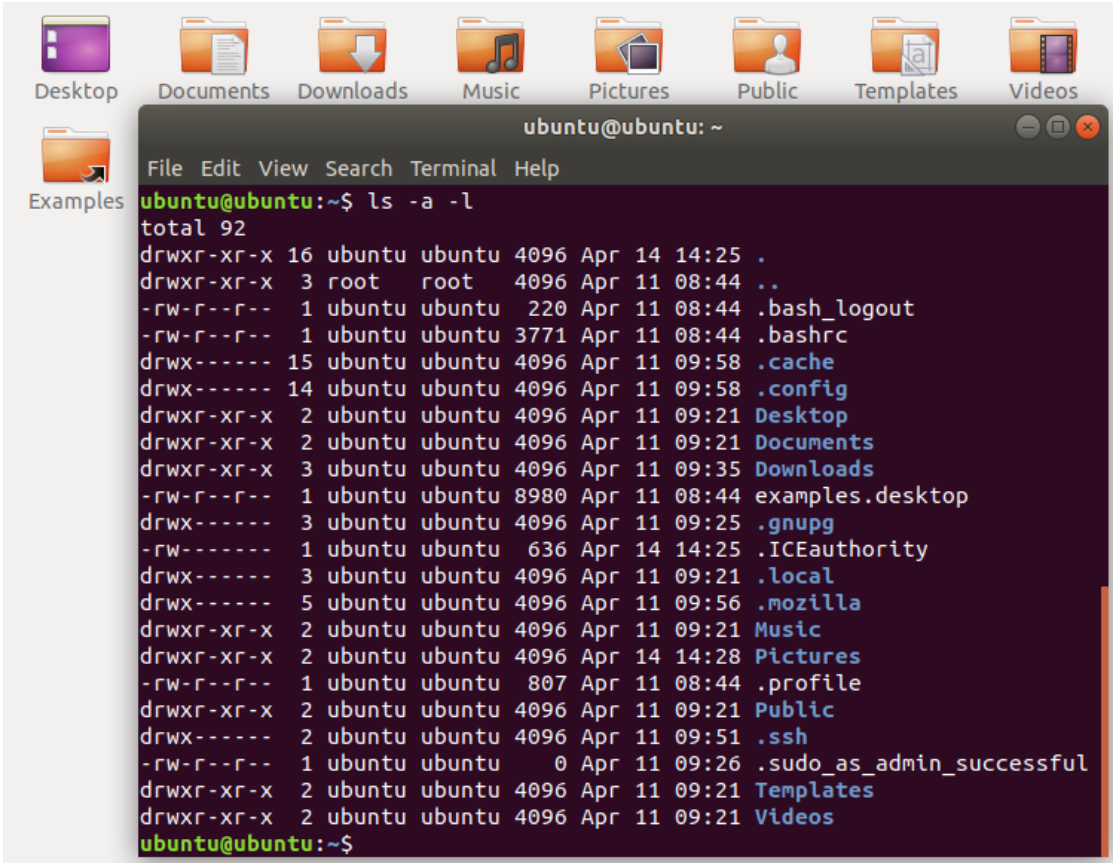
Question 1

Basic Linux commands, implemented in Ubuntu.

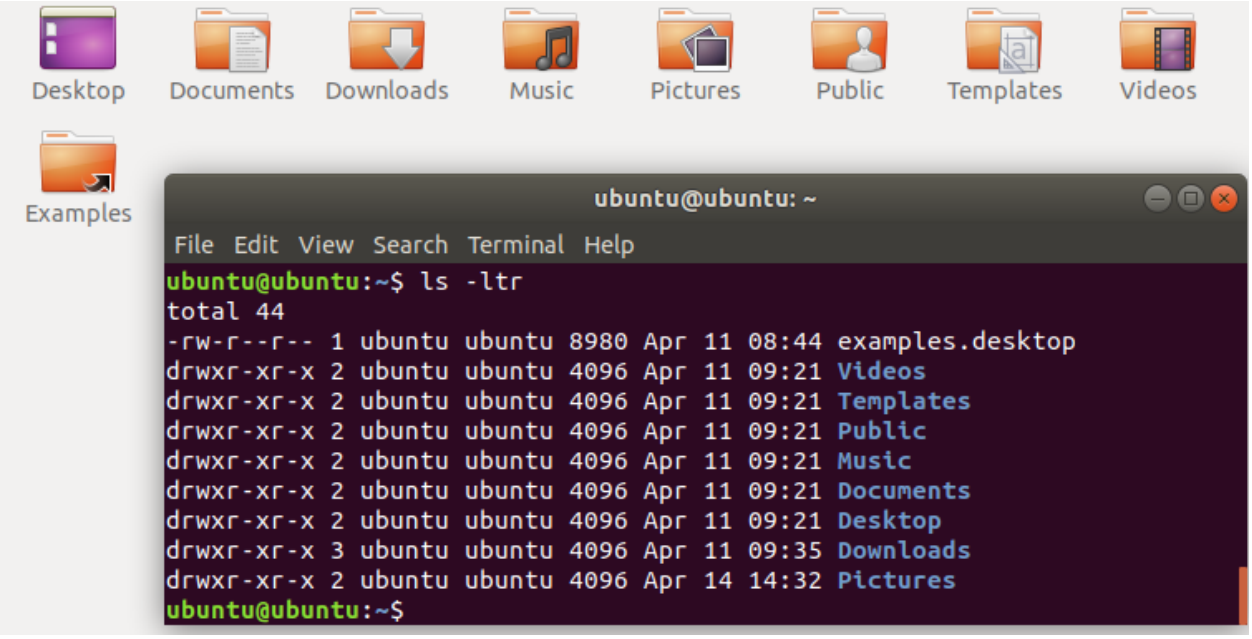
1. Displaying all files and folders in the current directory Displays all files including hidden ones too.



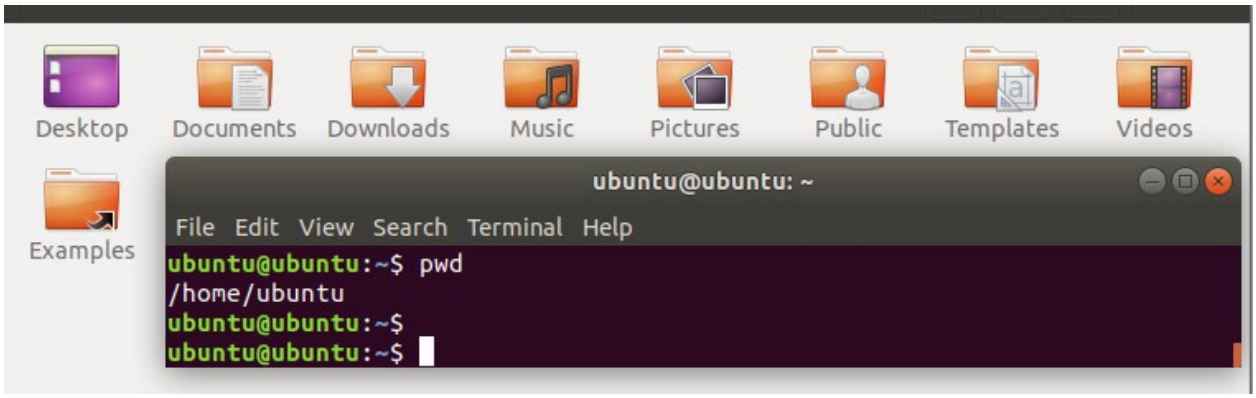
2. Displaying all files (optionally also the hidden too) along with size and time stamp.



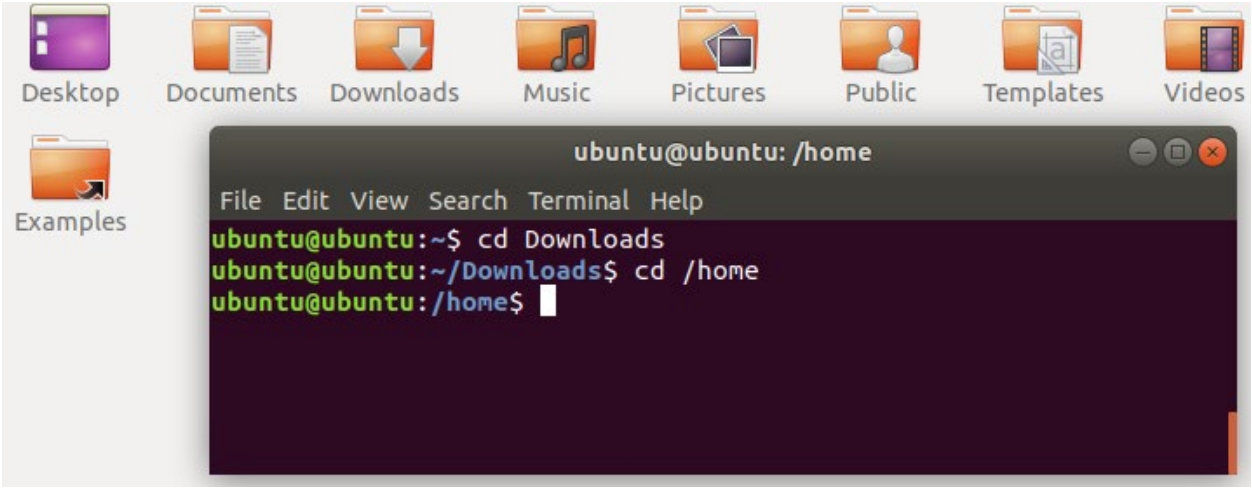
3. Displaying in long listing format with timestamp in reverse order



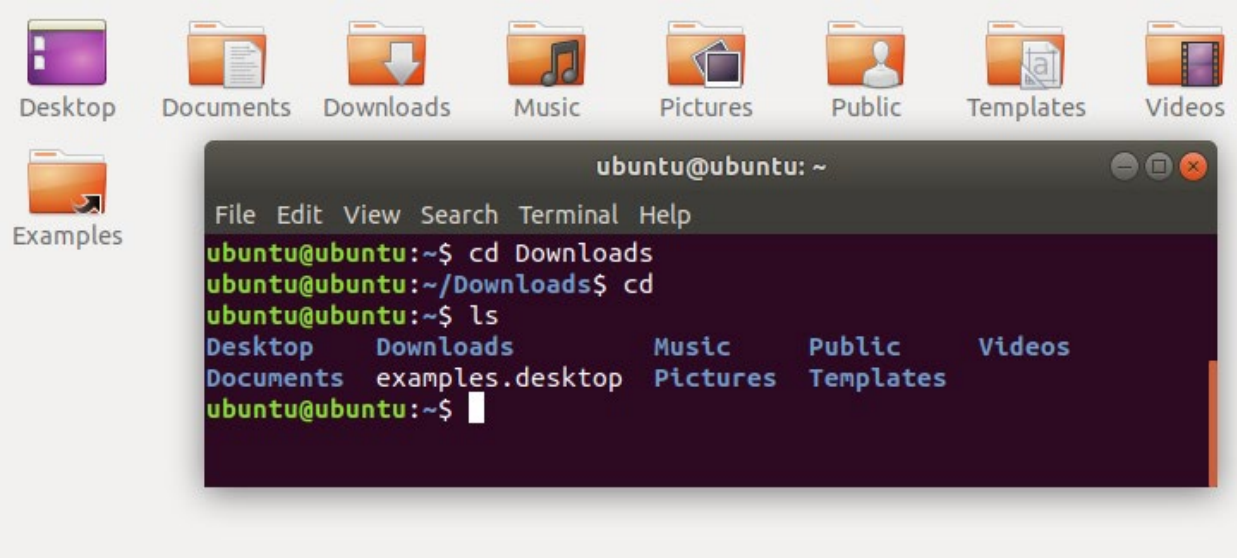
4. Displaying the "present working directory"



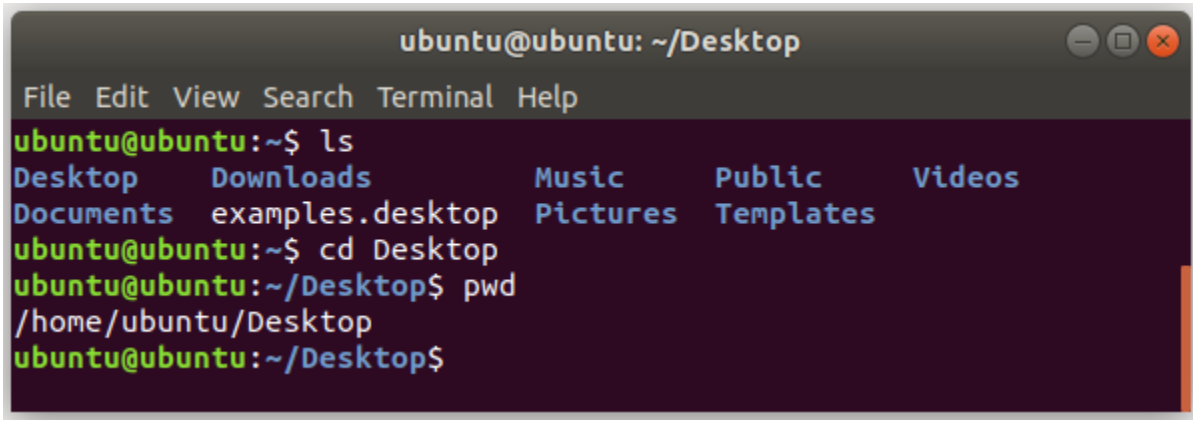
5. Changing the current directory to "HOME" directory



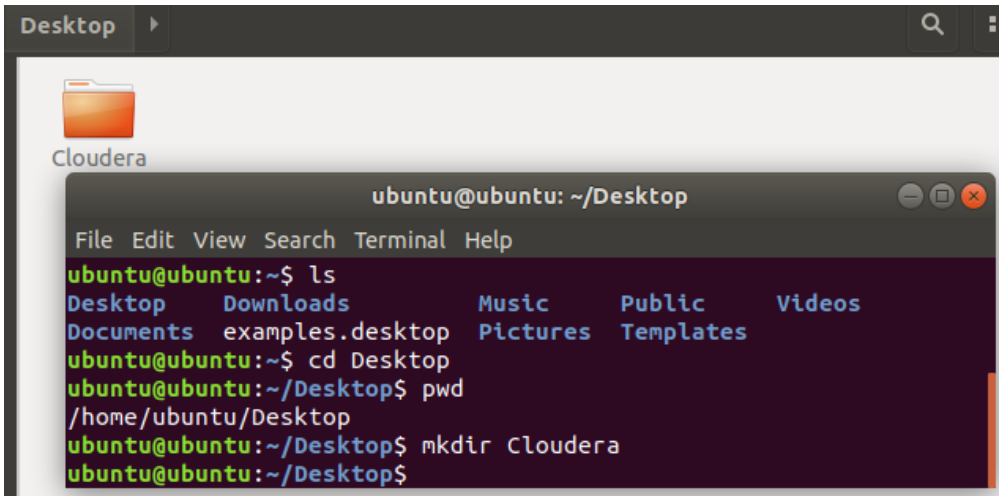
Or directly by typing “cd”



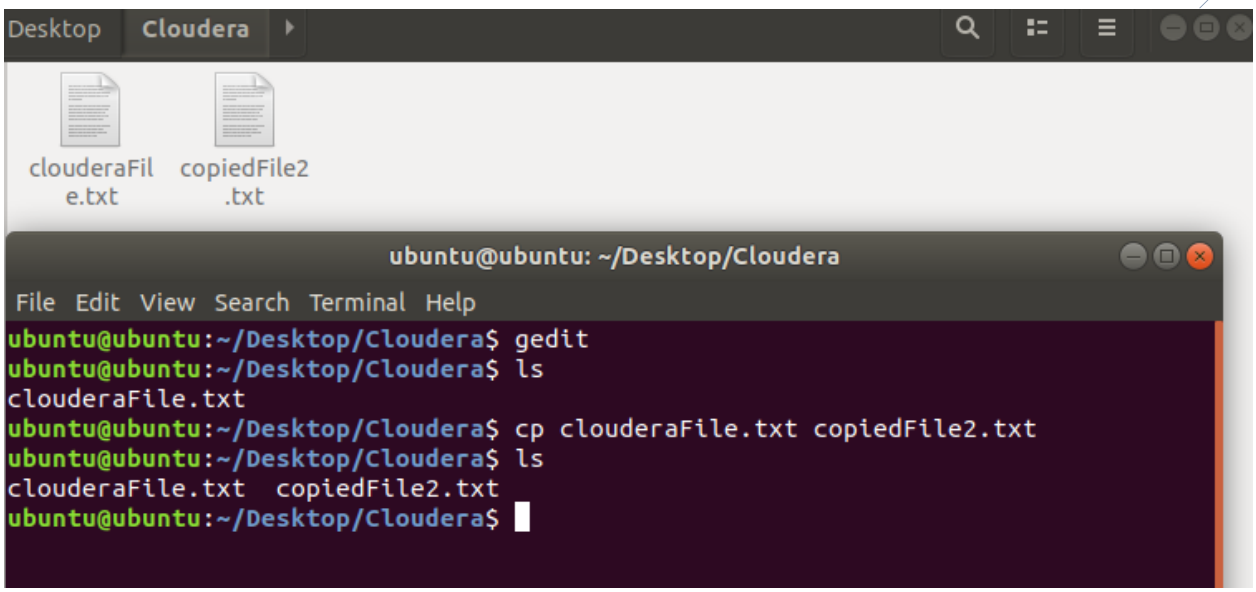
6. Look for a directory name desktop in the current working directory and changes to that.



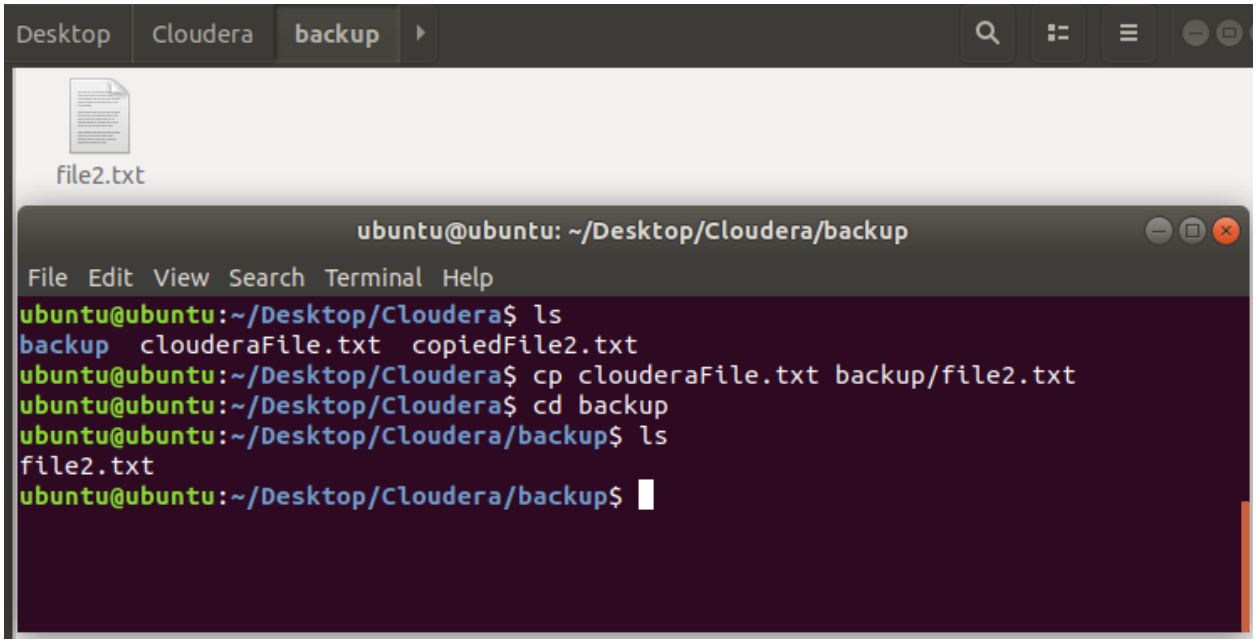
7. Create a directory <directory name> in the current directory



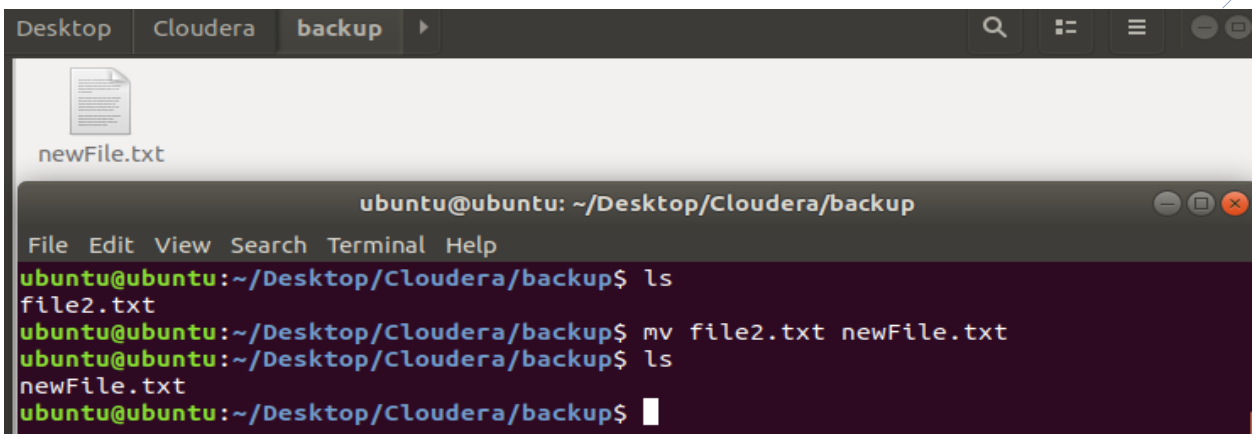
8. Create a copy of file in same directory.



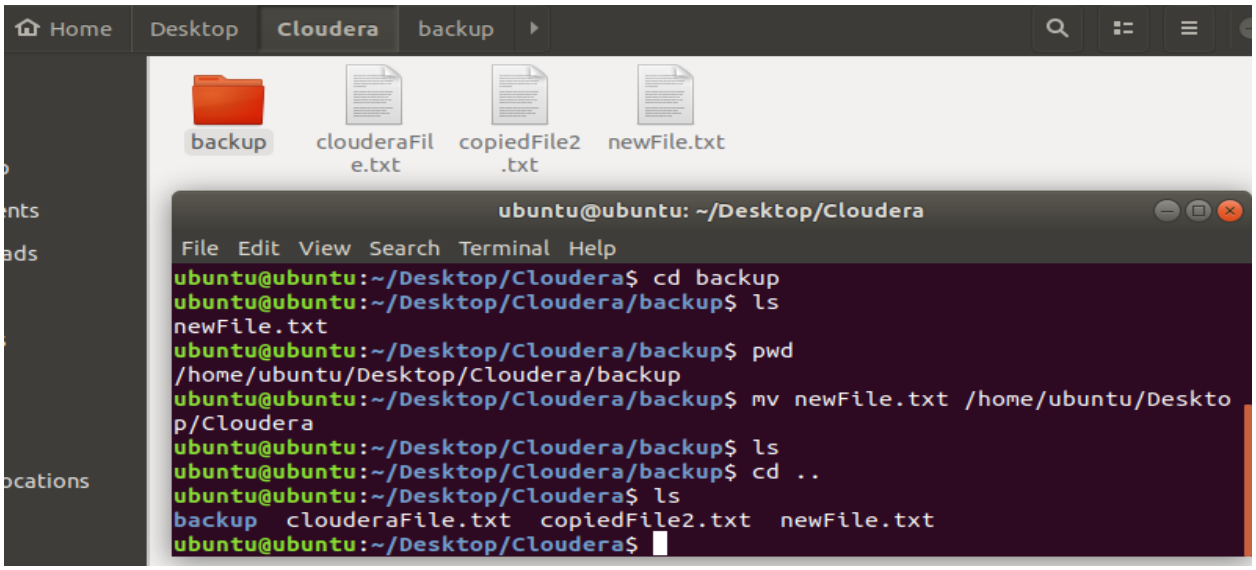
9. Create a copy of file in different directory



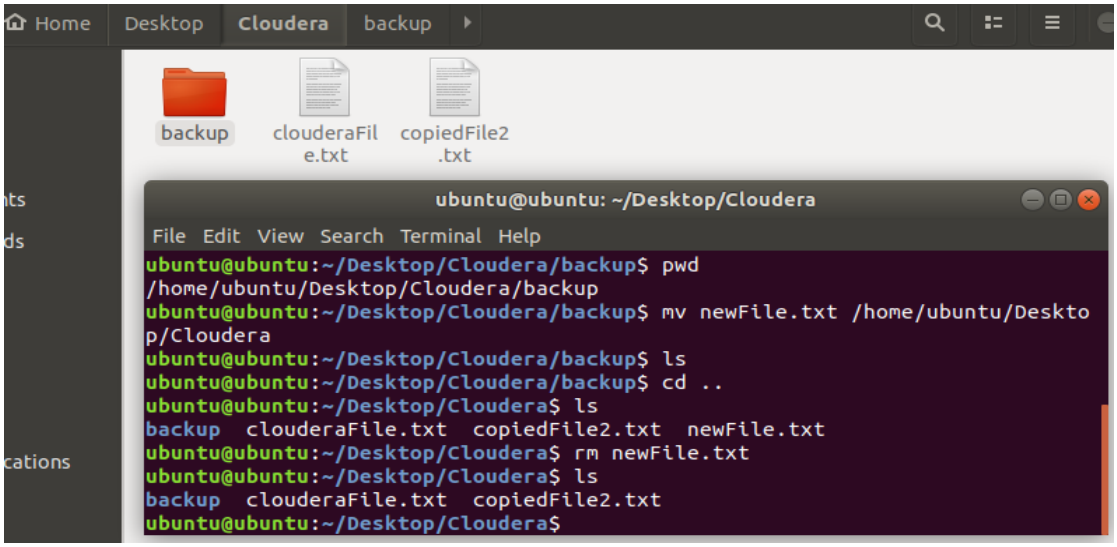
10. Rename a file



11. Move file from one directory to another

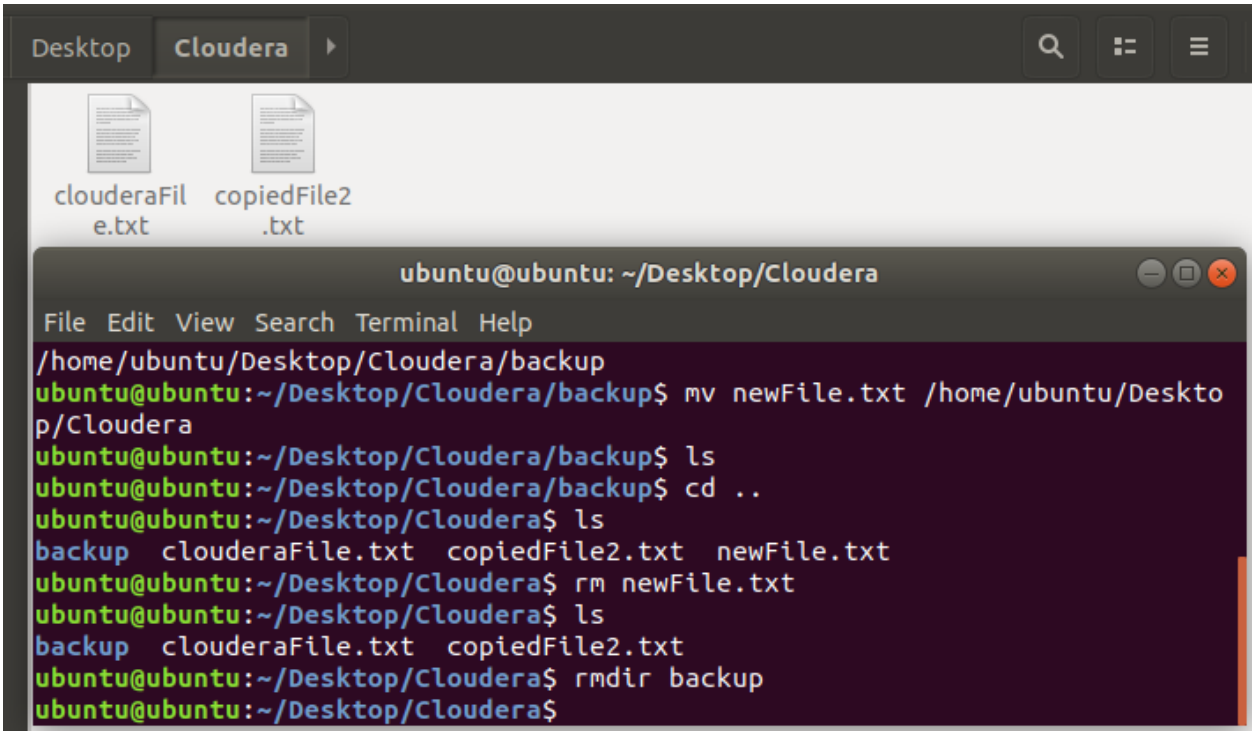


12. Delete a file



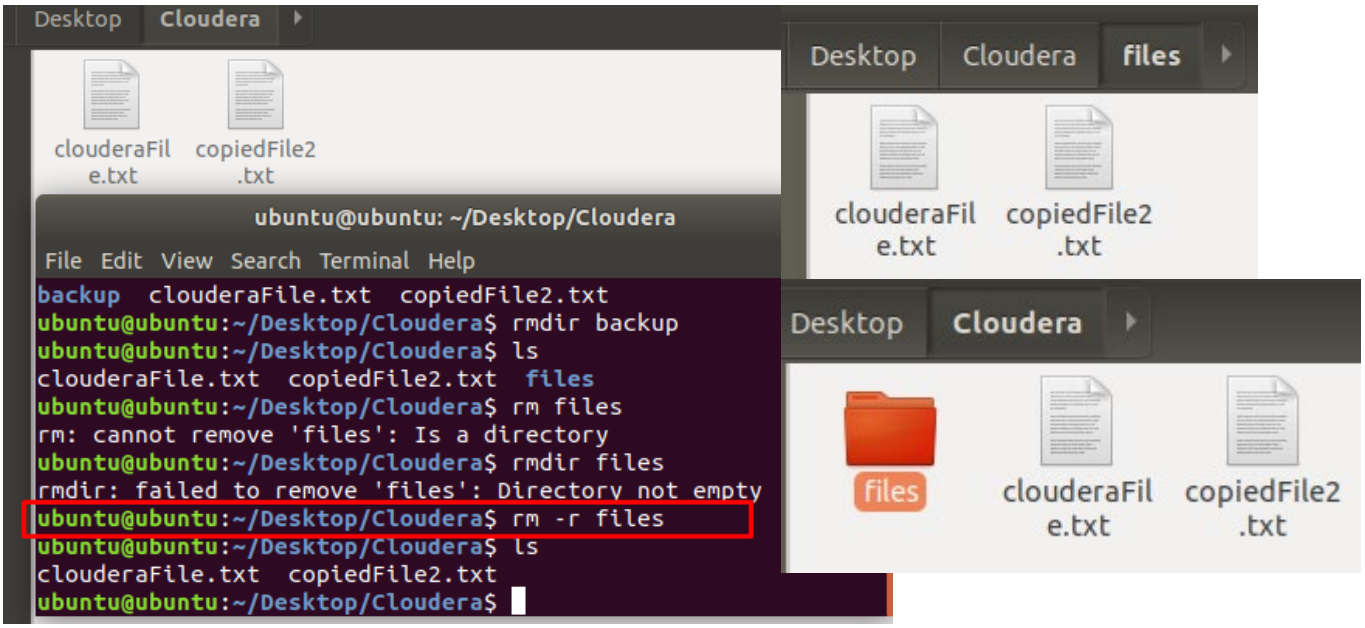
13. Delete an empty directory

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



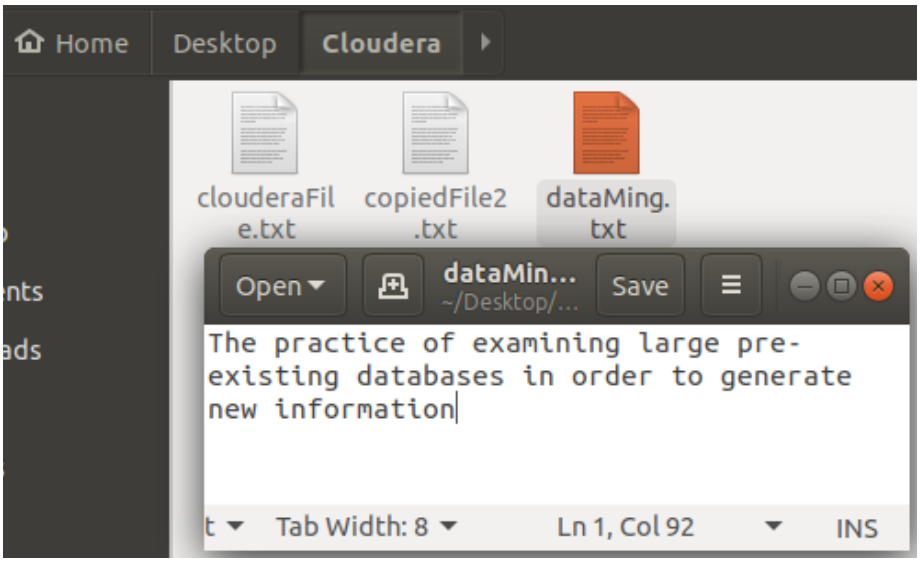
14. Delete a directory with files.

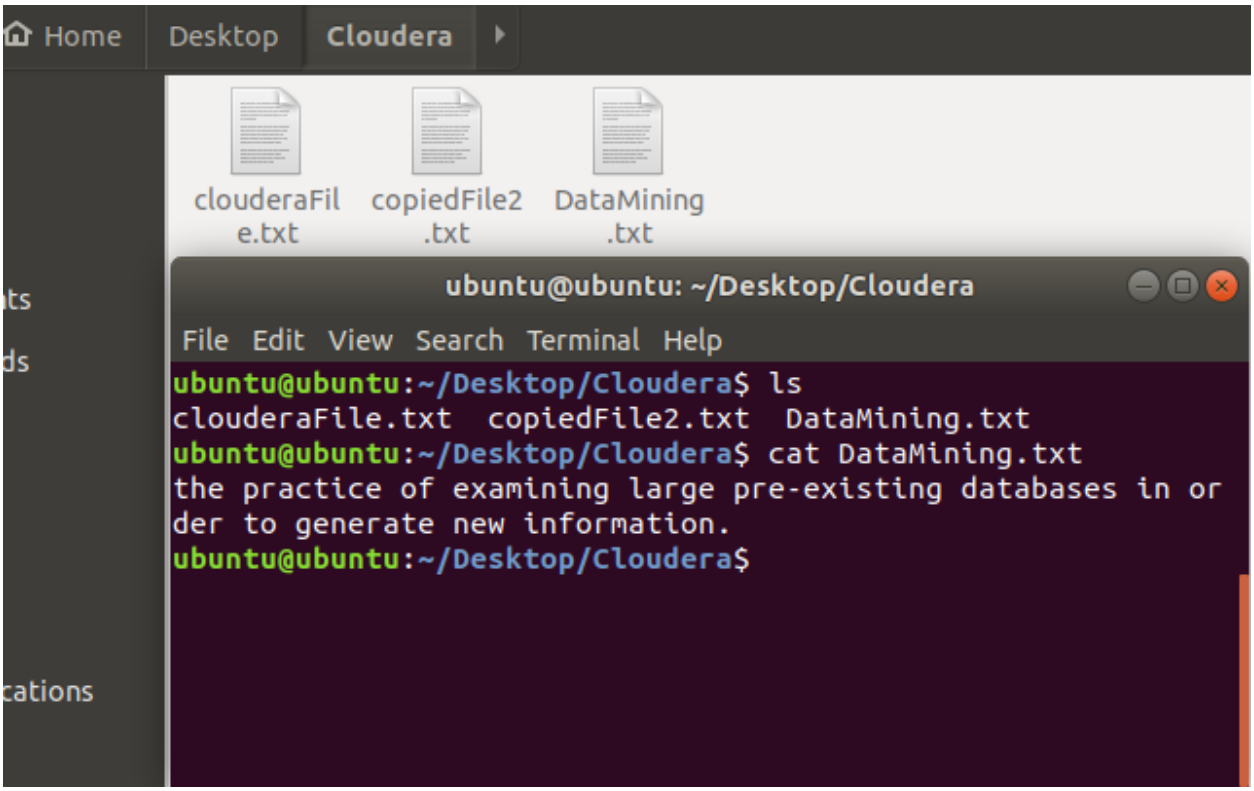
A new directory ‘files’ was created and there added a copy of two files, the we delete it.



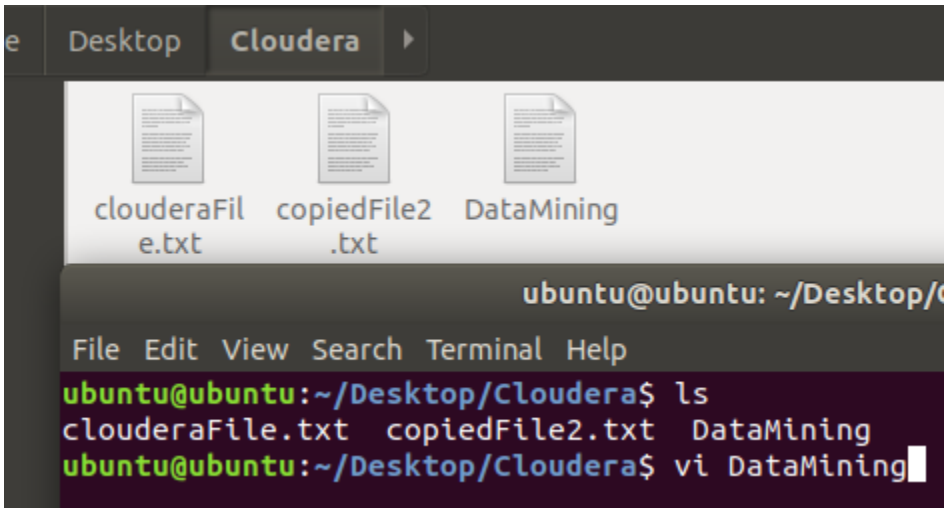
15. Viewing files

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



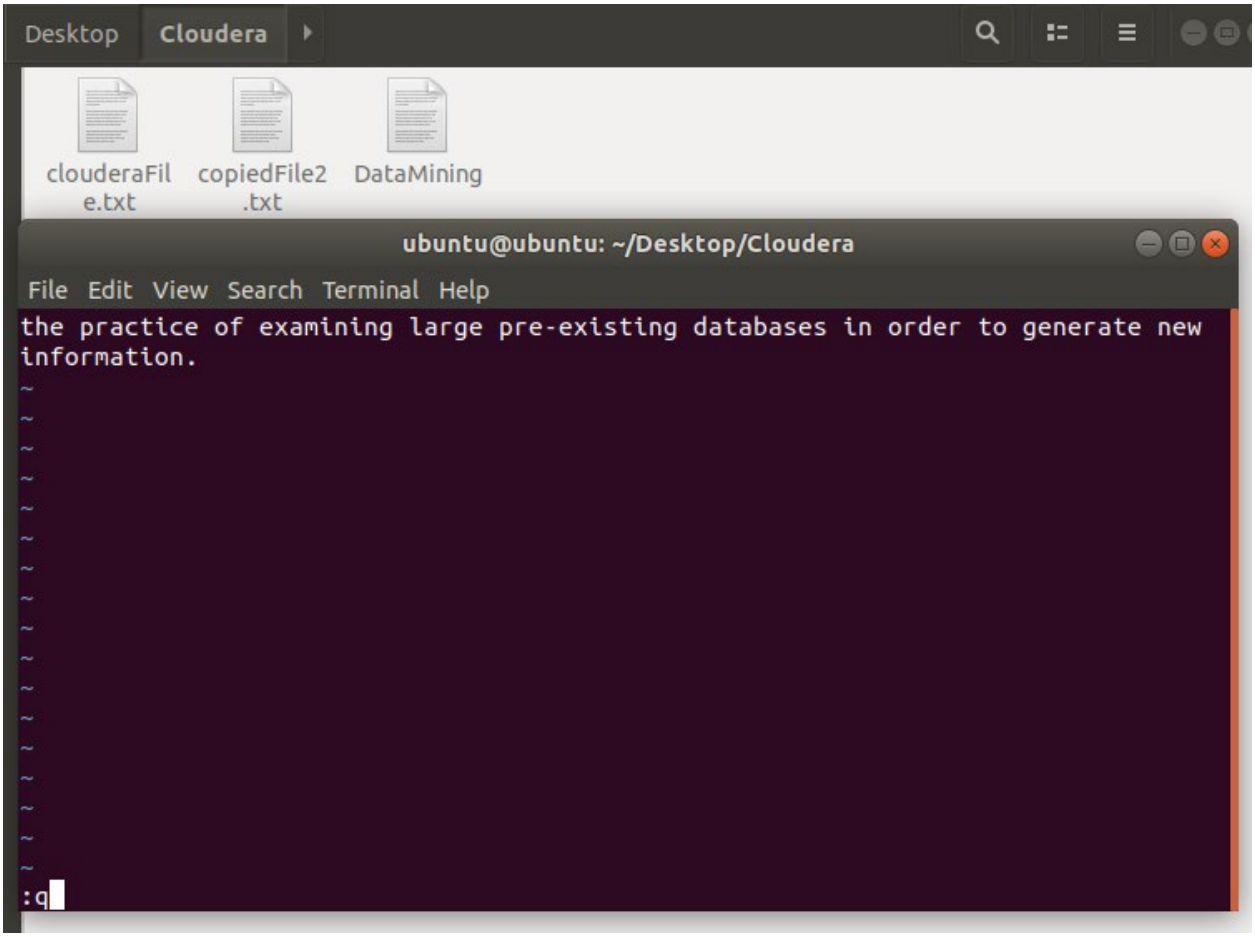


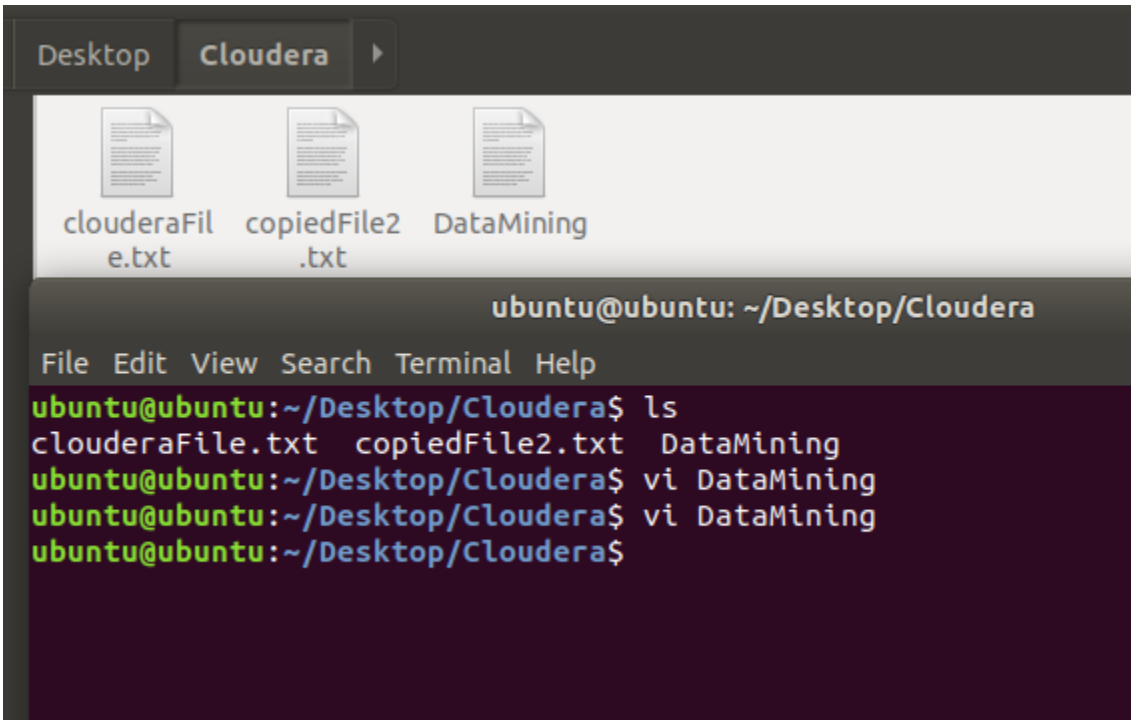
16. Open vi editor to edit file



17. Quit editor

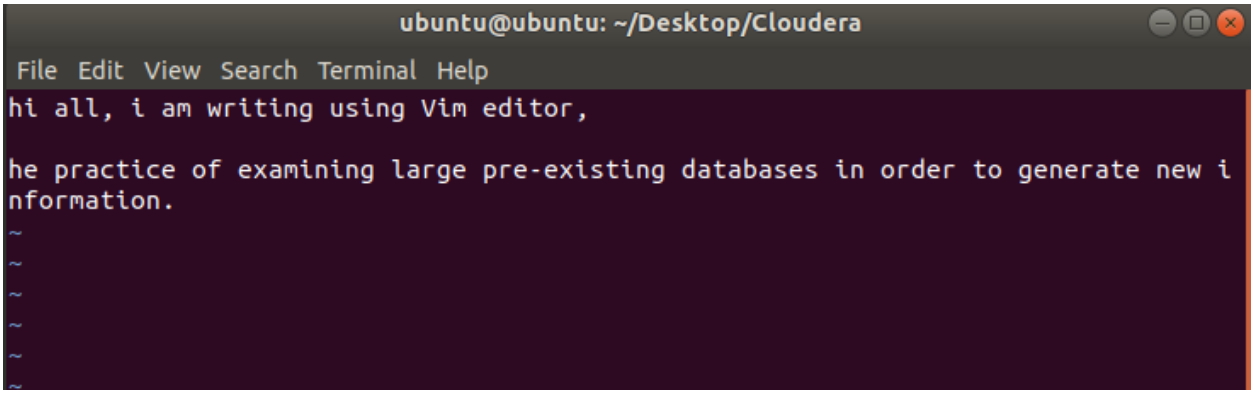
On vim editor, pressing '**:**' and 'q' and hitting 'enter' will exit,



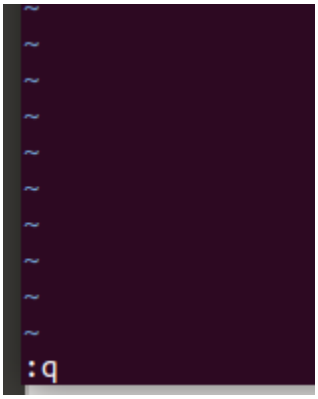


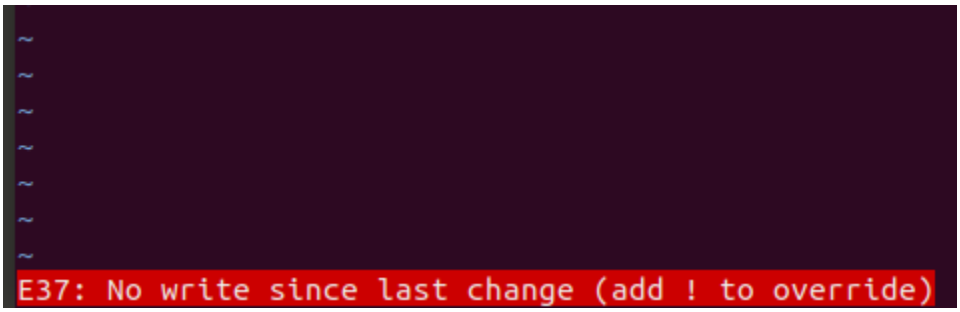
18. Write on a file

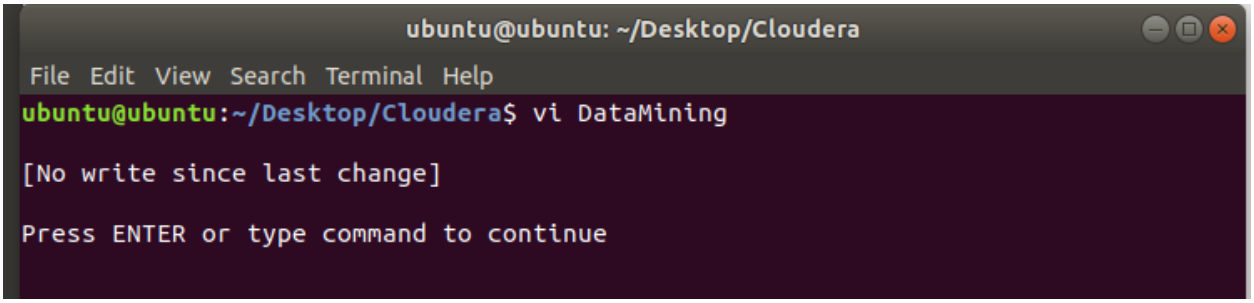
    Adding the text in the begin, 'hi all, i am writing using Vim editor,'



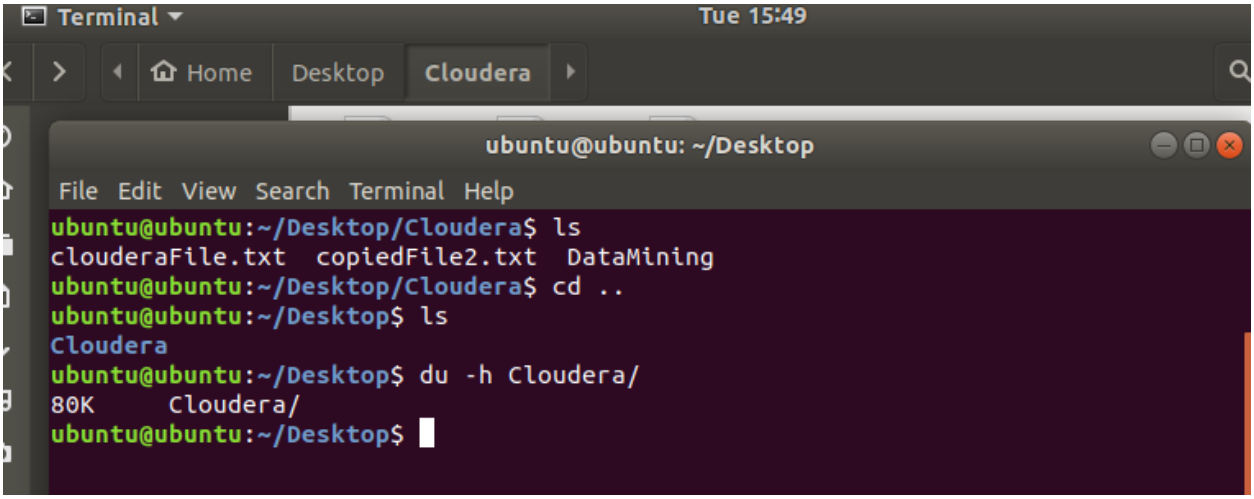
19. Quit editor

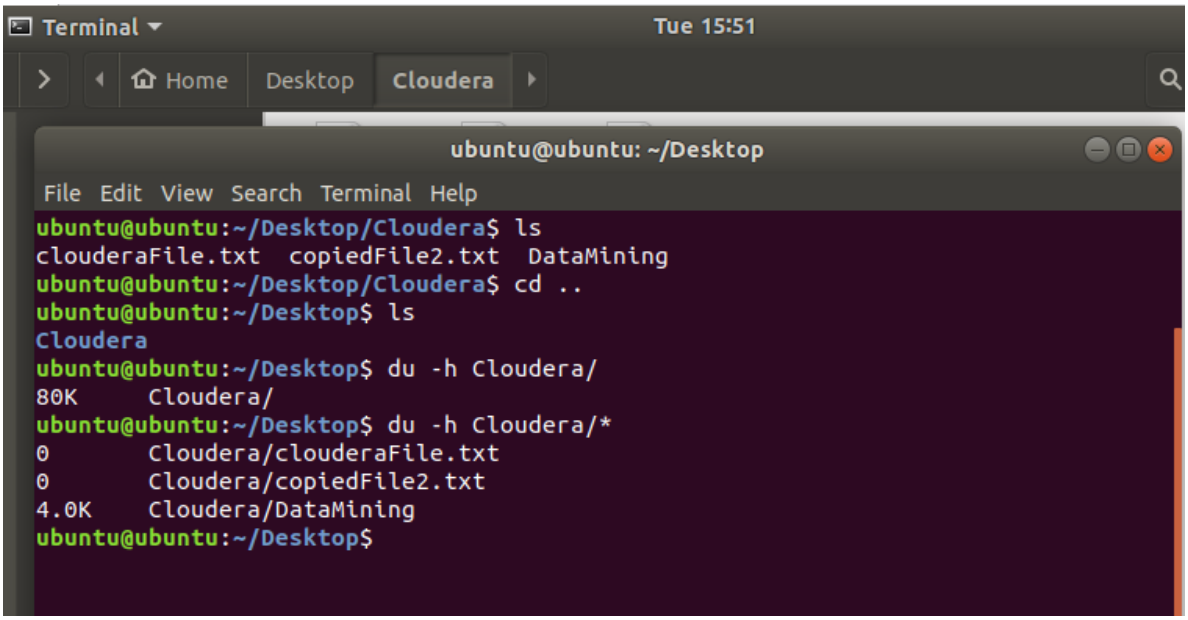






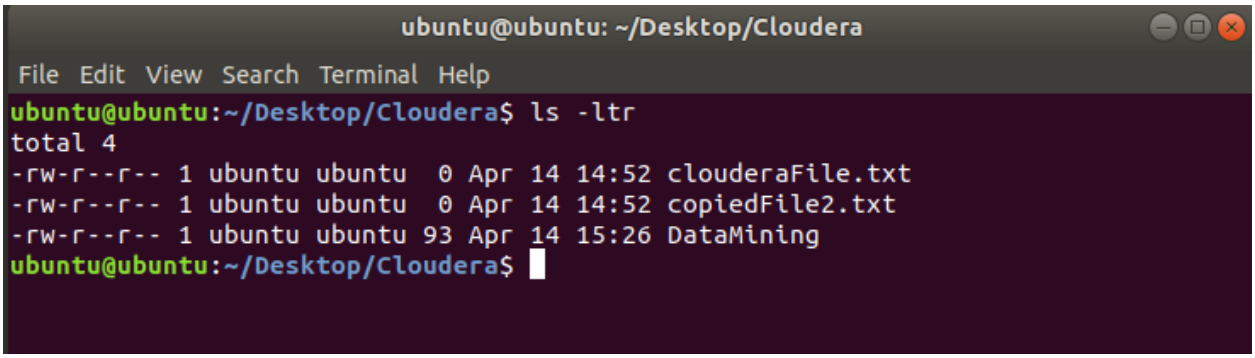
20. Display size of files



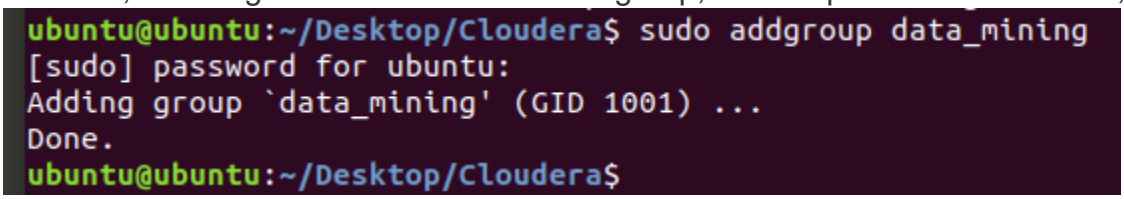


21. Change group of file/directory

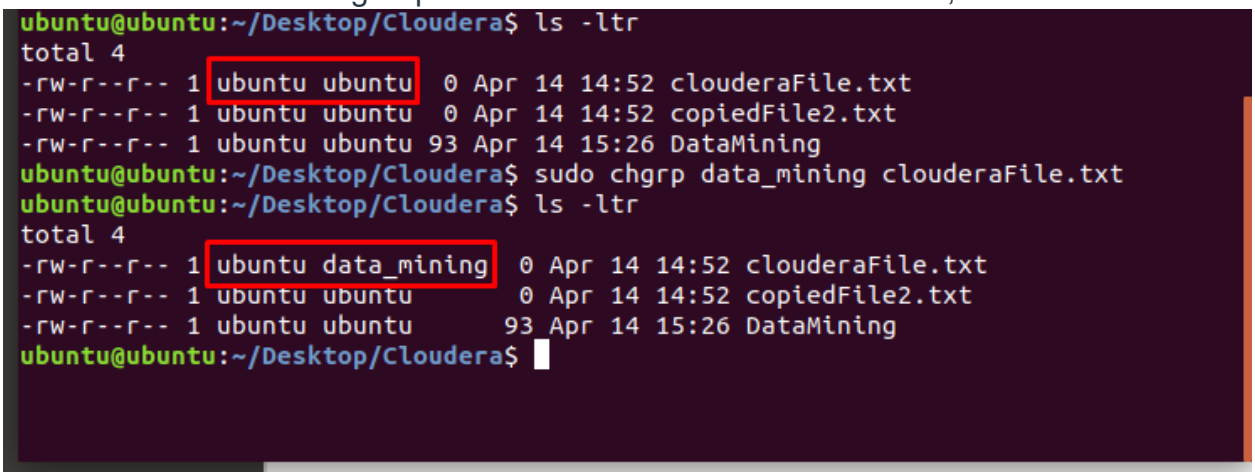
First as we list here, we can see that the group of these files is ‘ubuntu’, and the user is ‘ubuntu’.



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’,

```
ubuntu@ubuntu: ~/Desktop/Cloudera
File  Edit  View  Search  Terminal  Help
ubuntu@ubuntu:~/Desktop/Cloudera$ sudo addgroup cloudera_group
Adding group `cloudera_group' (GID 1002) ...
Done.
ubuntu@ubuntu:~/Desktop/Cloudera$ sudo adduser --ingroup cloudera_group cloudera
_user
Adding user `cloudera_user' ...
Adding new user `cloudera_user' (1001) with group `cloudera_group' ...
Creating home directory `/home/cloudera_user' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
Sorry, passwords do not match
passwd: Authentication token manipulation error
passwd: password unchanged
Try again? [y/N] y
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for cloudera_user
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
ubuntu@ubuntu:~/Desktop/Cloudera$
```

23. Change Group for a given file

```
ubuntu@ubuntu:~/Desktop/Cloudera$ ls -ltr
total 4
-rw-r--r-- 1 ubuntu ubuntu  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$ sudo chgrp data_mining clouderaFile.txt
ubuntu@ubuntu:~/Desktop/Cloudera$ ls -ltr
total 4
-rw-r--r-- 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$
```

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$
```