

- 1) List out 5 files in your system which consuming most of the disk space

```
ubuntu@ip-172-31-35-20:~$ du -ah | sort -rh | head -n 5
164K      .
28K       ./bash_history
20K       ./backupfile
16K       ./backupfile/tmp
16K       ./abc
ubuntu@ip-172-31-35-20:~$
```

- 2) Create one common folder in such a way that anyone can create files inside that independently and should not be able to delete other users files from that common folder.

`mkdir /temp_folder`

*assigning the stickybit so users cannot delete other directories or files

`Chmod +t /temp_folder`

- 2) Create user name "shubham" and add that user in the group "adm"

`Sudo useradd -m Shubham`

*adm grp should present

`Sudo usermod -aG adm Shubham`

- a) Create folder /data , change owner and group as "root:adm"

`Sudo mkdir /data`

`Sudo chown -R Shubham:adm /data`

- b) Change /data permission such a way that user can able to write data in this folder and ownership of files or folder which you creates in this folder should be same as parent folder i.e /data folder permission (root:adm)

`sudo chmod 777`