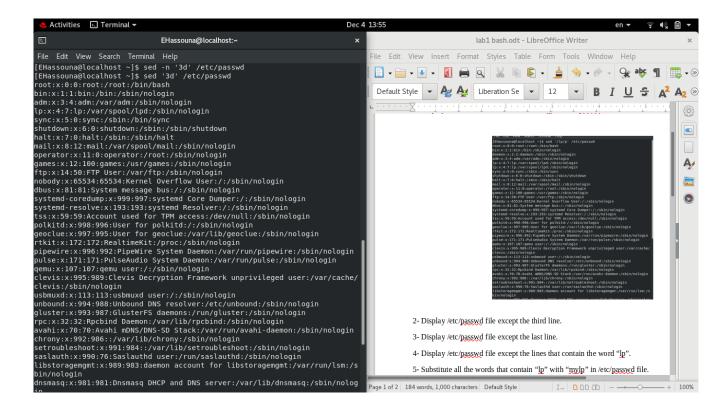
Using sed utility

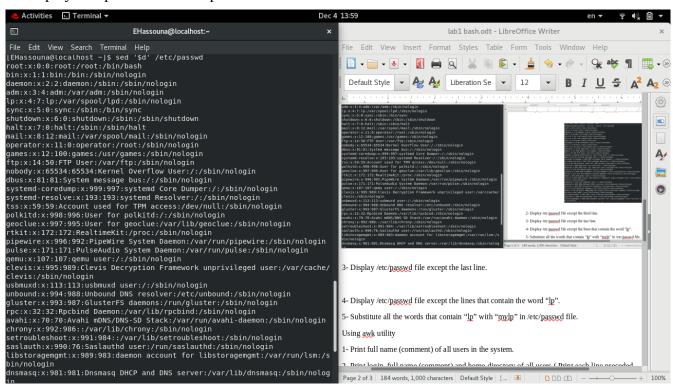
1- Display the lines that contain the word "lp" in /etc/passwd file.

```
[EHassouna@localhost ~]$ sed '/lp/p' /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
lp:x:4:7:lp:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/:/sbin/nologin
systemd-resolve:x:193:193:systemd Resolver:/:/sbin/nologin
systemd-resolve:x:193:193:systemd Resolver:/:/sbin/nologin
polkitd:x:998:996:User for polkitd:/:/sbin/nologin
polkitd:x:998:996:User for geoclue:/var/lib/geoclue:/sbin/nologin
ritkit:x:172:172:Realtimekit:/proc:/sbin/nologin
pipewire:x:996:992:Pipewire System Daemon:/var/run/pipewire:/sbin/nologin
pipewire:x:996:992:Pipewire System Daemon:/var/run/pulse:/sbin/nologin
quam:x:107:107:qemu user:/:/sbin/nologin
clevis:x:995:988:clevis Decryption Framework unprivileged user:/var/cache/
clevis:x:993:987:GlusterFS daemons:/run/gluster:/sbin/nologin
guster:x:993:987:GlusterFS daemons:/run/gluster:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/pcbind:/sbin/nologin
systen/uncologin
systen/uncologin
unbound:x:994:988:Unbound DNS resolver:/etc/unbound:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/setroubleshoot:/sbin/nologin
setroubleshoot:x:991:984::/var/lib/setroubleshoot:/sbin/nologin
libstoragemgmt:x:999:983:daemon account for libstoragemgmt:/var/run/ssi-/sbin/nologin
```

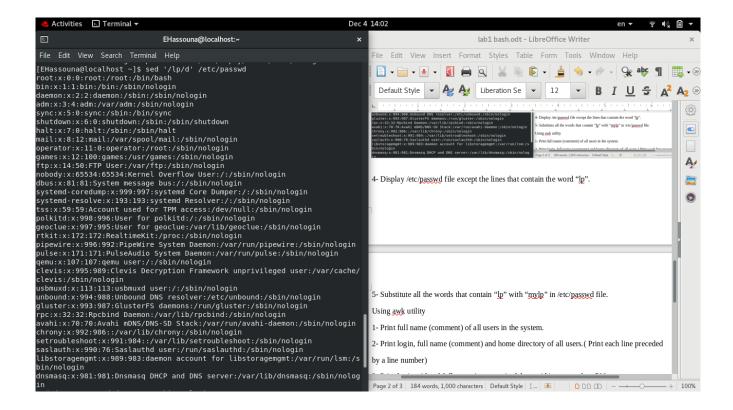
2- Display /etc/passwd file except the third line.



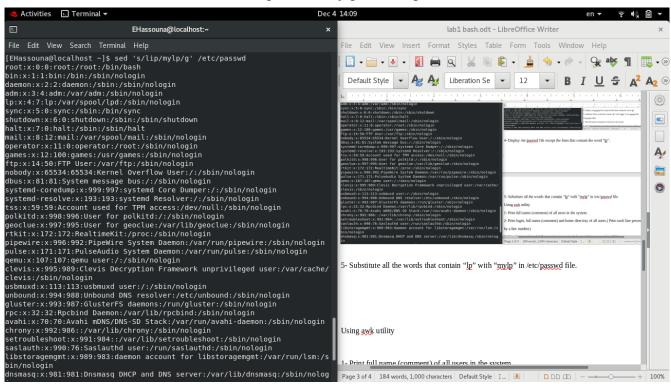
3- Display /etc/passwd file except the last line.



4- Display /etc/passwd file except the lines that contain the word "lp".



5- Substitute all the words that contain "lp" with "mylp" in /etc/passwd file.



Using awk utility

1- Print full name (comment) of all users in the system.
2- Print login, full name (comment) and home directory of all users.(Print each line preceded
by a line number)
3- Print login, uid and full name (comment) of those uid is greater than 500
4- Print login, uid and full name (comment) of those uid is exactly 500
5- Print line from 5 to 15 from /etc/passwd
6- Change lp to mylp
7- Print all information about greatest uid.
8- Get the sum of all accounts id's.
Bonus
1. Get the sum of accounts id's that has the same group.
12. Make the following report:
User-Group Report
Group1 Name:
User1
User2
Group2 Name:
User3
User4
•