

Part 1.

1. Add a new line, containing CHRISTOPHER#NOLAN#INCEPTION#DIRECTOR, at the end of the file. You should complete this exercise using commands instead of file editors.

```
marina@marina-VirtualBox:~$ cat > awards.txt
JESSE#EISENBERG#THE SOCIAL NETWORK#ACTOR
COLIN#FIRTH#THE KING'S SPEECH#ACTOR
HALLE#BERRY#FRANKIE AND ALICE#ACTRESS
NATALIE#PORTMAN#BLACK SWAN#ACTRESS
DARREN#FINCHER#THE SOCIAL NETWORK#DIRECTOR
ANNETTE#BENING#THE KIDS ARE ALRIGHT#ACTRESS
marina@marina-VirtualBox:~$ cat >> awards.txt
CHRISTOPHER#NOLAN#INCEPTION#DIRECTOR
```

2. Create a file called "actors" in which you only include ACTORS.

```
marina@marina-VirtualBox:~$ grep "ACTOR" awards.txt
JESSE#EISENBERG#THE SOCIAL NETWORK#ACTOR
COLIN#FIRTH#THE KING'S SPEECH#ACTOR
marina@marina-VirtualBox:~$ cat > actors.txt
JESSE#EISENBERG#THE SOCIAL NETWORK#ACTOR
COLIN#FIRTH#THE KING'S SPEECH#ACTOR
```

3. Display the files which begin with a in your home directory.

```
marina@marina-VirtualBox:~$ ls a* /
actors.txt  awards.txt
```

4. Create a file called "directors" in which you only include DIRECTORS.

```
marina@marina-VirtualBox:~$ grep -i "director" awards.txt
DARREN#FINCHER#THE SOCIAL NETWORK#DIRECTOR
CHRISTOPHER#NOLAN#INCEPTION#DIRECTOR
marina@marina-VirtualBox:~$ cat > directors.txt
DARREN#FINCHER#THE SOCIAL NETWORK#DIRECTOR
CHRISTOPHER#NOLAN#INCEPTION#DIRECTOR
```

5. Display the lines of "awards" containing actresses. Show the line number.

```
marina@marina-VirtualBox:~$ grep -n ACTRESS awards.txt
3:HALLE#BERRY#FRANKIE AND ALICE#ACTRESS
4:NATALIE#PORTMAN#BLACK SWAN#ACTRESS
6:ANNETTE#BENING#THE KIDS ARE ALRIGHT#ACTRESS
```

6. Display the lines in “awards” which are not directors. Show the line number.

```
marina@marina-VirtualBox:~$ grep -nv DIRECTOR awards.txt
1:JESSE#EISENBERG#THE SOCIAL NETWORK#ACTOR
2:COLIN#FIRTH#THE KING'S SPEECH#ACTOR
3:HALLE#BERRY#FRANKIE AND ALICE#ACTRESS
4:NATALIE#PORTMAN#BLACK SWAN#ACTRESS
6:ANNETTE#BENING#THE KIDS ARE ALRIGHT#ACTRESS
```

Part 2.

Create the file called “people.txt”

```
marina@marina-VirtualBox:~$ cat > people.txt
Ana;Perrrrrrrales;1000
Pedro;Soria;1600
Jacinto;Manzano;500
Claudia;Pastor;600
Xavier;Granados;1000
Soraya;Annnnnnnneja;3000
Xavier;Guerra;4500
Sara;Siria;675
Pablo;Serrano;1000
Sonia;Mono;1600
```

7. Create a file called “people2.txt”, containing those people whose name begins with J or S.

```
marina@marina-VirtualBox:~$ grep "^J" people.txt
Jacinto;Manzano;500
marina@marina-VirtualBox:~$ cat > people2.txt
Jacinto;Manzano;500
marina@marina-VirtualBox:~$ grep "^S" people.txt
Soraya;Annnnnnnneja;3000
Sara;Siria;675
Sonia;Mono;1600
marina@marina-VirtualBox:~$ cat >> people2.txt
Soraya;Annnnnnnneja;3000
Sara;Siria;675
Sonia;Mono;1600
marina@marina-VirtualBox:~$
```

8. Create a file called “people3.txt”, containing those people whose names do not begin with S.

```

marina@marina-VirtualBox:~$ grep -v "^S" people.txt
Ana;Perrrrrrrales;1000
Pedro;Soria;1600
Jacinto;Manzano;500
Claudia;Pastor;600
Xavier;Granados;1000
Xavier;Guerra;4500
Pablo;Serrano;1000
marina@marina-VirtualBox:~$ cat > people3.txt
Ana;Perrrrrrrales;1000
Pedro;Soria;1600
Jacinto;Manzano;500
Claudia;Pastor;600
Xavier;Granados;1000
Xavier;Guerra;4500
Pablo;Serrano;1000

```

Also you can run it with:

```
grep -v "^S" people.txt > people3.txt
```

9. Display people whose name begin with S and redirect to file to "people_s.txt.

```

marina@marina-VirtualBox:~$ grep "^S" people.txt > people_s.txt
marina@marina-VirtualBox:~$ cat people_s.txt
Soraya;Annnnnnnneja;3000
Sara;Siria;675
Sonia;Mono;1600

```

10. Display the number of people whose name begins with A (case insensitive).

```

marina@marina-VirtualBox:~$ grep -c -i "^A" people.txt
1

```

11. Display how many people earn 1000 and concatenate the result in people2.txt

```

marina@marina-VirtualBox:~$ grep -c "1000" people.txt
3

```

```
marina@marina-VirtualBox:~$ grep "1000" people.txt >> people2.txt
```

```

marina@marina-VirtualBox:~$ cat people2.txt
Jacinto;Manzano;500
Soraya;Annnnnnnneja;3000
Sara;Siria;675
Sonia;Mono;1600
3
Ana;Perrrrrrrales;1000
Xavier;Granados;1000
Pablo;Serrano;1000

```

Part 3.

12. Create a file called list, including the contents from the current directory
13. Open the file to check if the content is right using cat, more and less and observe the differences

```
marina@marina-VirtualBox:~$ ls / > list
marina@marina-VirtualBox:~$ cat list
bin
boot
cdrom
dev
etc
home
lib
lib32
lib64
libx32
lost+found
media
mnt
opt
proc
root
run
sbin
snap
srv
sys
tmp
usr
var
```

14. Print the contents of the current directory in reverse alphabetical order.

```
marina@marina-VirtualBox:~$ ls -r
Videos      Public      people_s.txt  Music       exercises    directors.txt  actors.txt
Templates   pro-c       people3.txt   ls.txt      errors.txt   Desktop
Systems     Pictures    people2.txt   log.txt     Downloads    config
'Shared folder' people.txt  output        list        Documents    awards.txt
marina@marina-VirtualBox:~$
```

15. Create a file called inform, containing the long format list of the files and directories in your home directory.

```
marina@marina-VirtualBox:~$ ls -l >> longlist.txt
marina@marina-VirtualBox:~$ cat longlist.txt
total 124
-rw-rw-r-- 1 marina marina 79 dic 2 15:30 actors.txt
-rw-rw-r-- 1 marina marina 276 dic 1 18:54 awards.txt
drwxrwxr-x 2 marina marina 4096 nov 10 17:53 config
drwxr-xr-x 2 marina marina 4096 oct 30 22:53 Desktop
-rw-rw-r-- 1 marina marina 80 dic 2 16:06 directors.txt
drwxr-xr-x 3 marina marina 4096 nov 4 16:31 Documents
drwxr-xr-x 3 marina marina 4096 nov 4 16:36 Downloads
-rw-rw-r-- 1 marina marina 26146 dic 2 15:46 errors.txt
drwxrwxr-x 5 marina marina 4096 nov 18 18:03 exercises
-rw-rw-r-- 1 marina marina 120 dic 2 16:58 list
-rw-r--r-- 1 root root 1518 dic 1 18:12 log.txt
-rw-rw-r-- 1 marina marina 0 dic 2 17:33 longlist.txt
-rw-rw-r-- 1 marina marina 1103 dic 2 15:51 ls.txt
drwxr-xr-x 2 marina marina 4096 oct 30 22:53 Music
-rw-r--r-- 1 root root 4 dic 1 18:17 output
-rw-rw-r-- 1 marina marina 147 dic 2 16:53 people2.txt
-rw-rw-r-- 1 marina marina 144 dic 2 16:36 people3.txt
-rw-rw-r-- 1 marina marina 58 dic 2 16:40 people_s.txt
-rw-rw-r-- 1 marina marina 203 dic 2 16:20 people.txt
drwxr-xr-x 2 marina marina 4096 nov 11 16:20 Pictures
drwxrwxr-x 2 marina marina 4096 nov 18 17:53 pro-c
drwxr-xr-x 2 marina marina 4096 oct 30 22:53 Public
drwxrwxr-x 2 marina marina 4096 oct 31 13:47 Shared folder
drwxrwxr-x 2 marina marina 4096 nov 4 17:47 Systems
drwxr-xr-x 2 marina marina 4096 oct 30 22:53 Templates
drwxr-xr-x 2 marina marina 4096 oct 30 22:53 Videos
```

16. Find the word FILE in each file of your home directory, ignoring case and showing the line number (create files containing this word if you want any match).

```
marina@marina-VirtualBox:~$ grep -i "FILE" /home/marina/*.txt
/home/marina/errors.txt:cd-create-profile
/home/marina/errors.txt:cd-fix-profile
/home/marina/errors.txt:desktop-file-edit
/home/marina/errors.txt:desktop-file-install
/home/marina/errors.txt:desktop-file-validate
/home/marina/errors.txt:file
/home/marina/errors.txt:file2brl
/home/marina/errors.txt:file-roller
/home/marina/errors.txt:grub-file
/home/marina/errors.txt:gvfs-monitor-file
/home/marina/errors.txt:lessfile
/home/marina/errors.txt:printer-profile
/home/marina/errors.txt:remmina-file-wrapper
/home/marina/errors.txt:systemd-tmpfiles
/home/marina/errors.txt:tempfile
/home/marina/errors.txt:profile
/home/marina/errors.txt:profile.d
/home/marina/errors.txt:tmpfiles.d
/home/marina/errors.txt:file
/home/marina/errors.txt:tmpfiles.d
/home/marina/errors.txt:filesystems
/home/marina/errors.txt:tmpfiles.d
/home/marina/errors.txt:filefrag
/home/marina/errors.txt:readprofile
/home/marina/errors.txt:tracker-extract-files.1000
/home/marina/errors.txt:tracker-extract-files.125
```