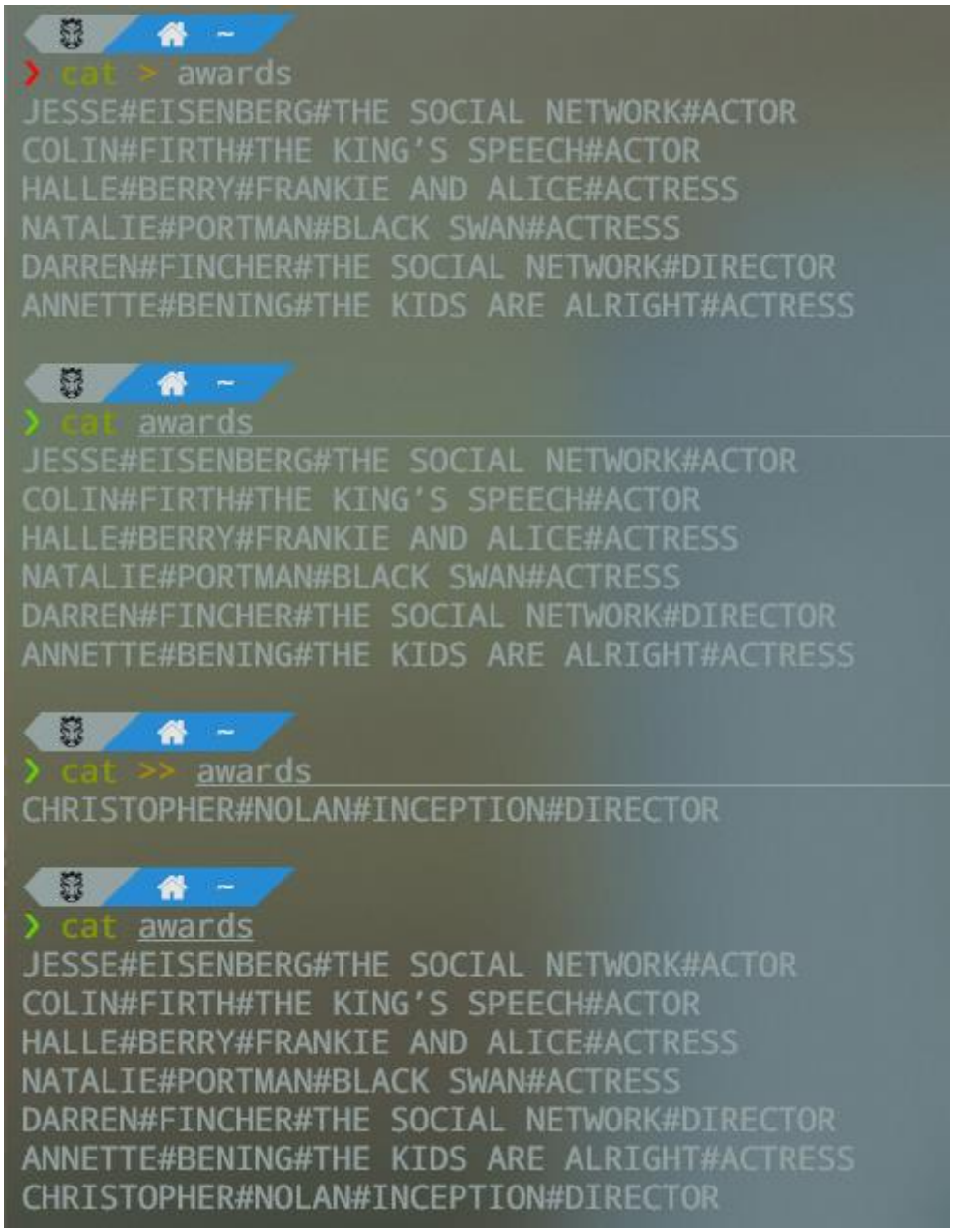
LINUX: Exercises about files manipulation

Part 1

Create a file called “awards” in your home directory, containing

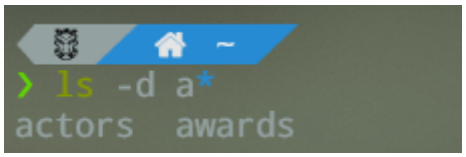
JESSE#EISENBERG#THE SOCIAL NETWORK#ACTOR
COLIN#FIRTH#THE KING’S SPEECH#ACTOR
HALLE#BERRY#FRANKIE AND ALICE#ACTRESS
NATALIE#PORTMAN#BLACK SWAN#ACTRESS
DARREN#FINCHER#THE SOCIAL NETWORK#DIRECTOR
ANNETTE#BENING#THE KIDS ARE ALRIGHT#ACTRESS

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.

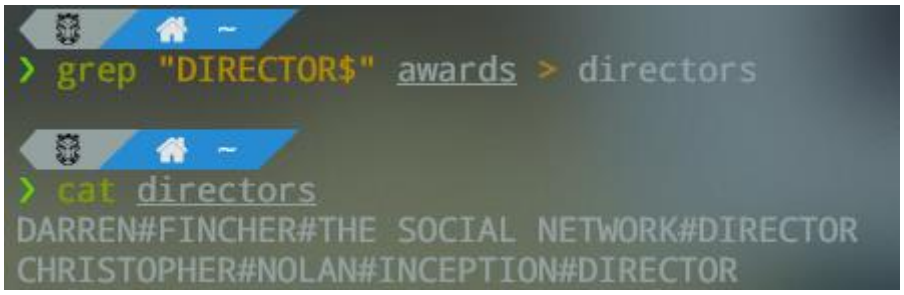


2. Create a file called “actors” in which you only include ACTORS.

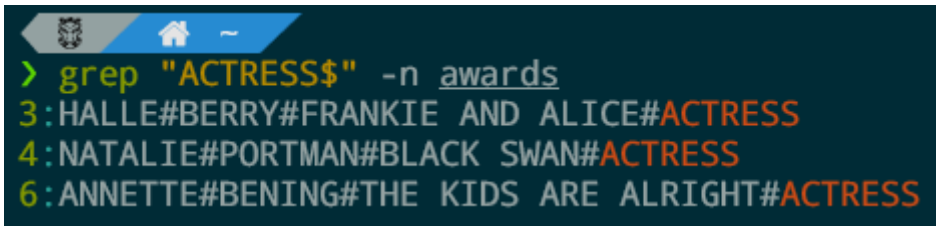
3. Display the files which begin with a in your home directory.



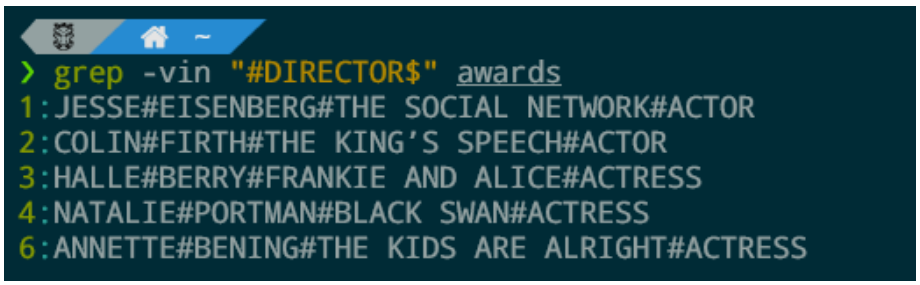
4. Create a file called “directors” in which you only include DIRECTORS.



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



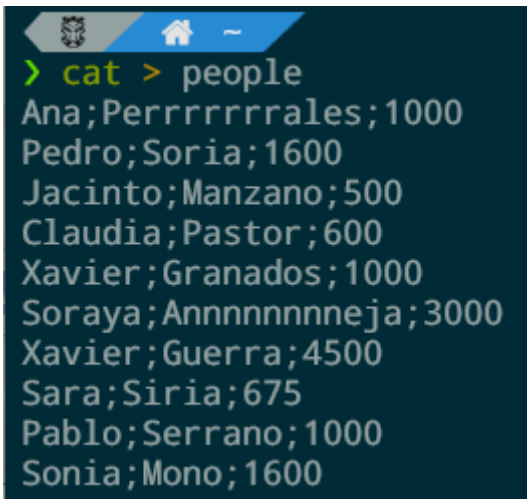
6. Display the lines in “awards” which are not directors. Show the line number.



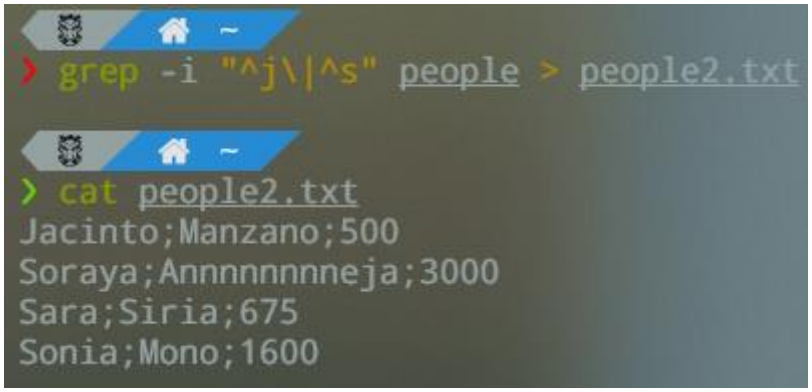
Part 2

Create the file called “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.



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

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

```
~
❯ grep -i "^S" people && grep -i "^S" people | 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).

```
~
❯ grep -i "^A" people
Ana;Perrrrrrrrales;1000
```

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

```
~
❯ grep "1000" people && grep "1000" people | cat >> people2.txt
Ana;Perrrrrrrrales;1000
Xavier;Granados;1000
Pablo;Serrano;1000
```

Part 3

12. Create a file called list, including the contents from the current directory

```
~
❯ dir > list

~
❯
```

list: Bloc de notas

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actors	exercises	people	people_s.txt
awards	list	people2.txt	systems
directors	mygit_Miguel_Rodriguez.sh	people3.txt	

13. Open the file to check if the content is right using cat, more and less and observe

```
~
❯ touch list && ls

~
❯ touch list && ec

~
❯ dir > list

~
❯ ls | cat > list

~
```

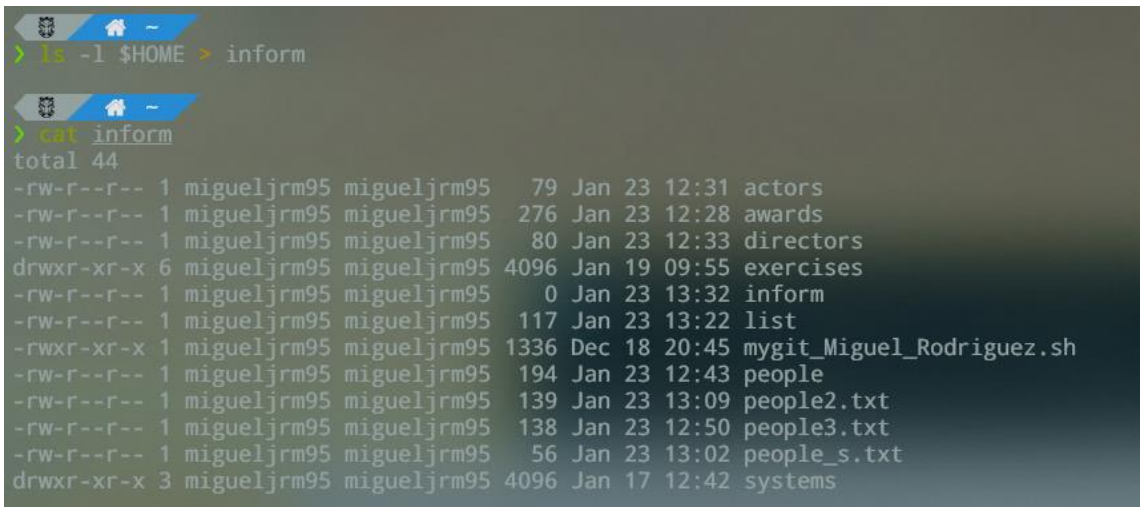
list: Bloc de notas

Archivo Edición Formato Ver Ay

```
actors
awards
directors
exercises
list
mygit_Miguel_Rodriguez.sh
people
people2.txt
people3.txt
people_s.txt
systems
```

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

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



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).