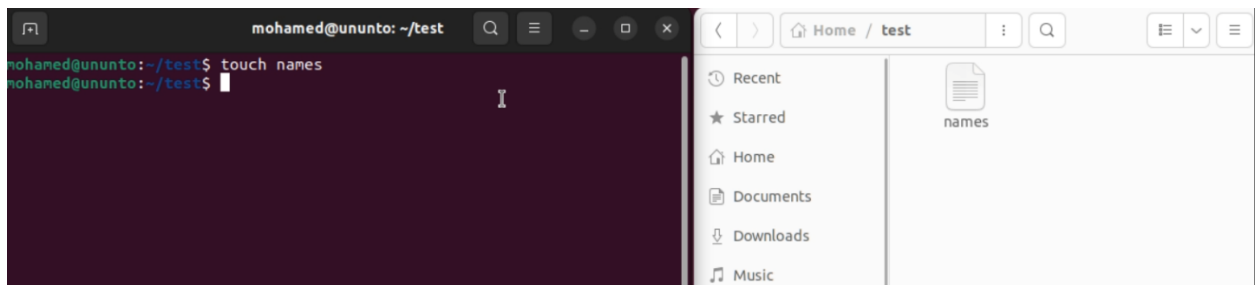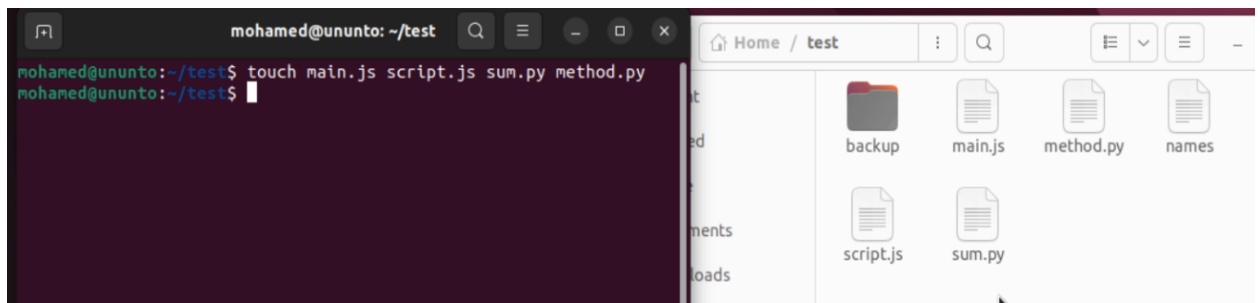# Sheet 2

1- touch

used to create an empty file.

Example   touch names

We can use touch to create multiple files
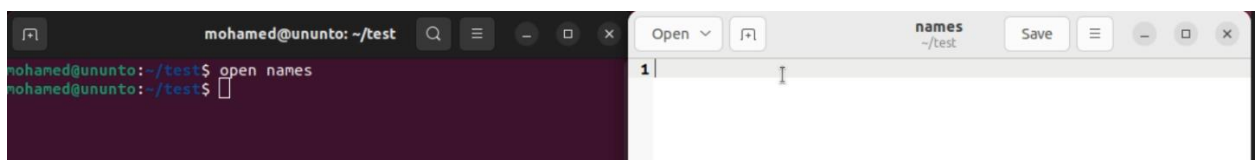
Example   touch main.js scripts.js sum.py method.py

2- open

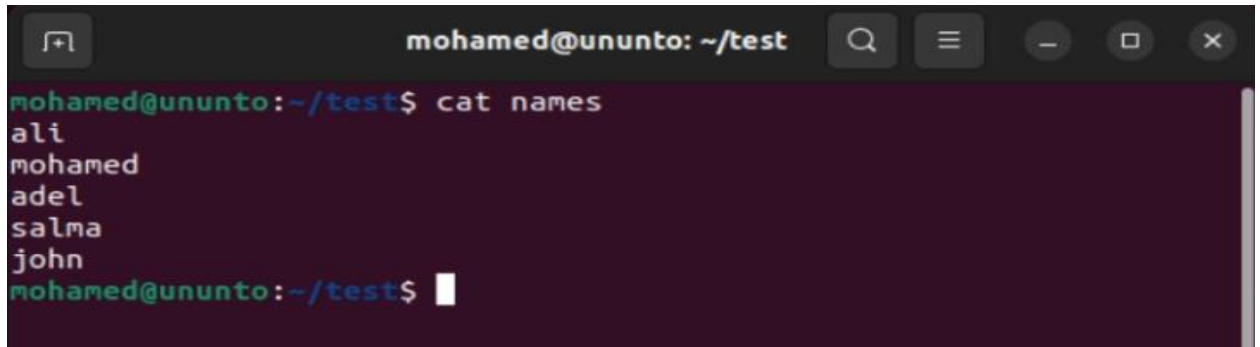used to open a file or directory and we can also run applications

Example   open names

3- cat

used to show file content

Example   cat names

4- nano

used to edit file using terminal

Example   nano names

use   ctrl + O to save changes   ctrl + X   to exit from nano

5- mv

used to rename file or move it to another location
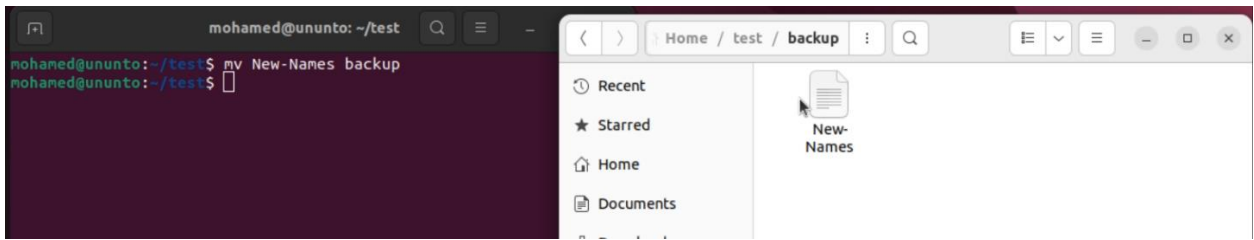
Example   mv names New-Names
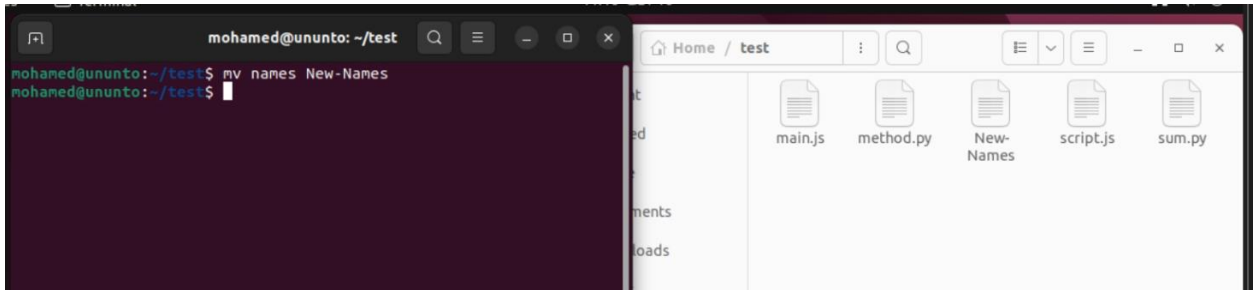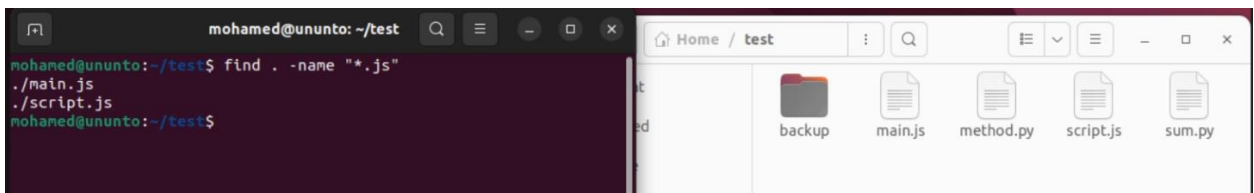

Move it to a backup directory

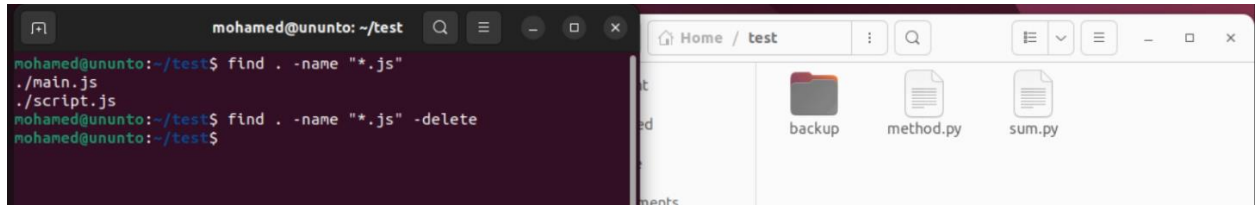Hint   we must create a backup directory first with mkdir

6- find

used to search for files or directories

Example   find . -name "*.js"   get all files with extension .js

We also can take action with find command

Example   find . -name "*.js" -delete   this will delete all files
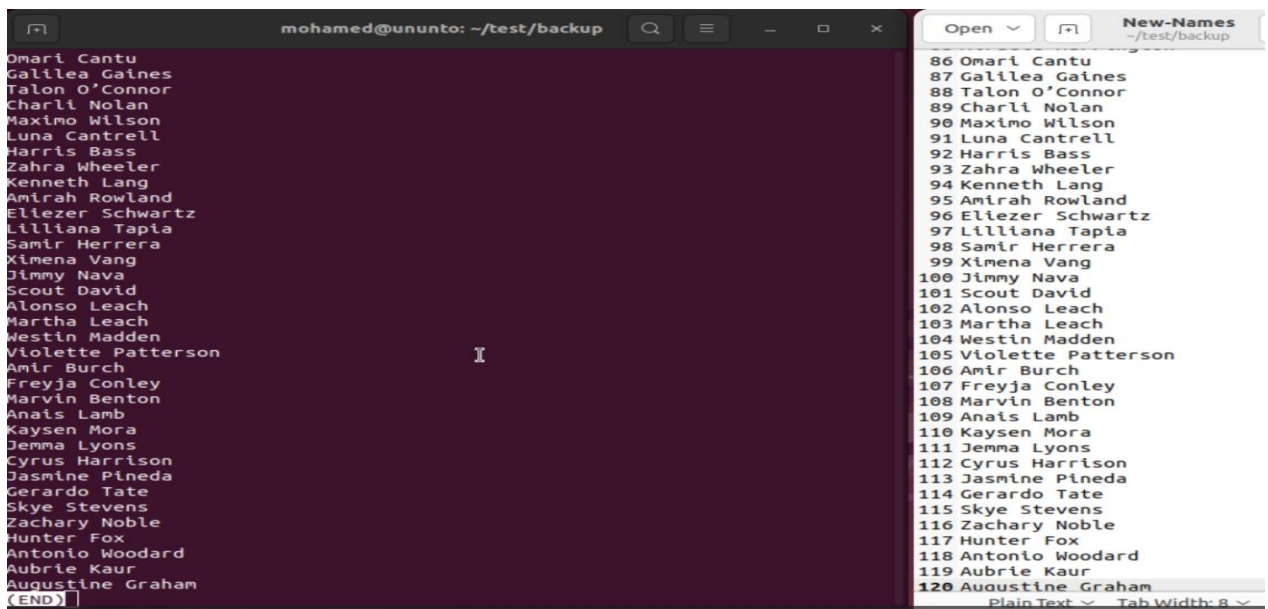which have .js extensions

7- less

used to view file content interacvely. less file - Opens "file" in
viewer.

Example less New-Names

We can use space to scroll next page   b to scroll back one page

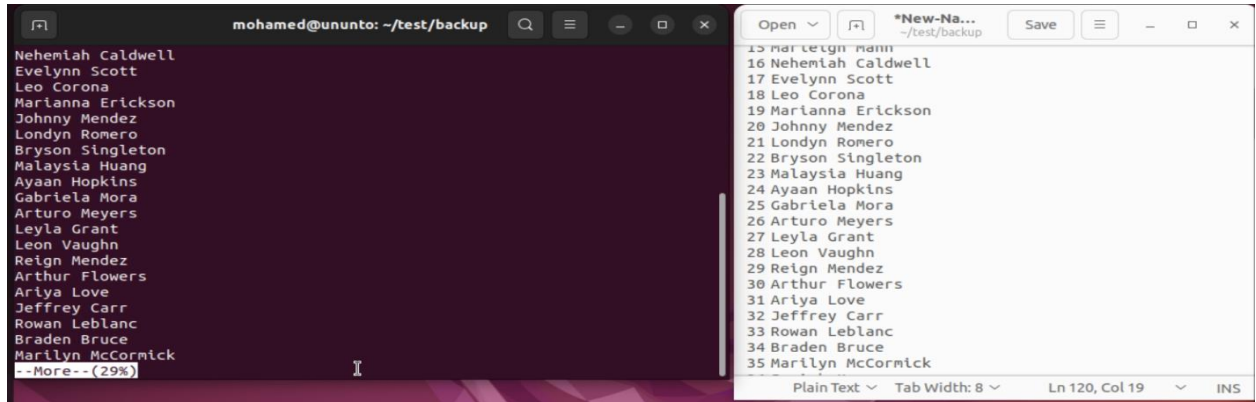G to get the end of the file   g to get the start of the file

q to exit less   /word to search for the word

8- more

the oldest version of less with the same purpose but here we cannot scroll back to the previous page and when we reach to the end of the file the file will exit automatically
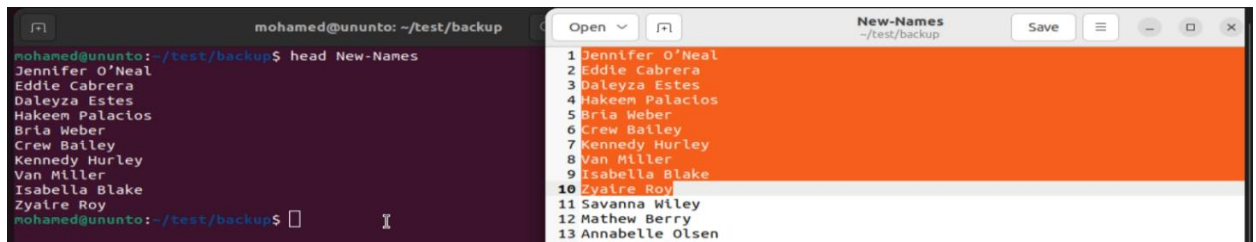
Example   more New-Names

At the end of each page we see a percentage of the data that has been viewed

9- head

used to show the first lines of the file by default it will be 10 lines

Example   head New-Names

If we want of print a specific number of lines we will write
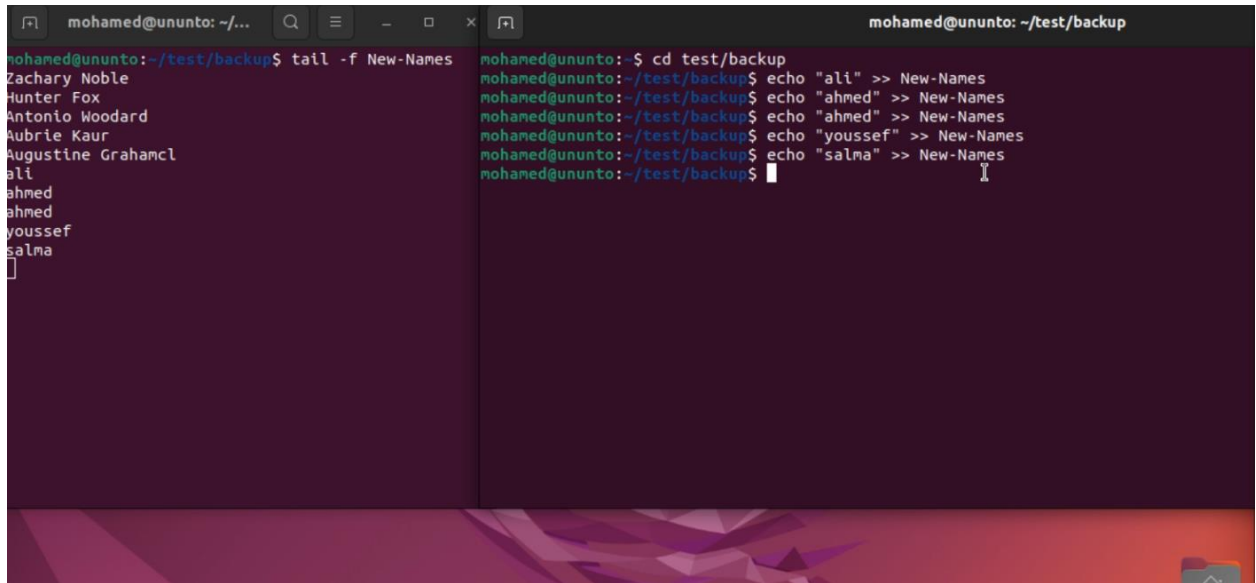
Head -n 5 New-Names   this will show the first five lines only

10- tail

used to show the last lines of the file and also we can use this command to follow the changes that applied to the file.

Example   tail -f New-Names
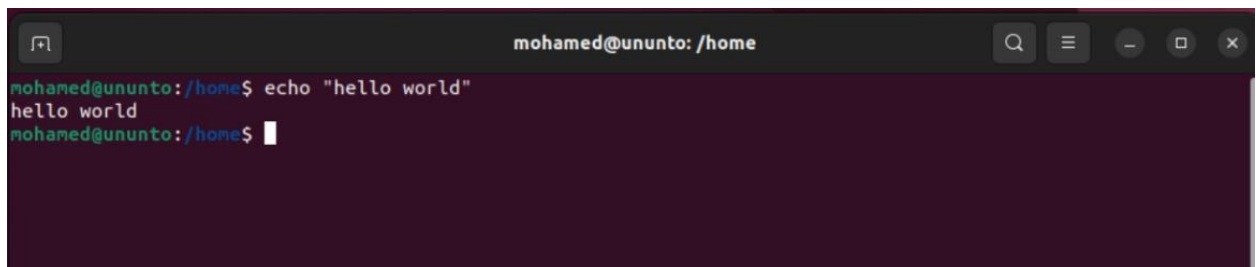
11- echo

used to write text in files or to print message on the terminal.

Example   echo "hello world"

Hint   if you write text into file and write the file name like this

> this will delete all text in the file and start to write from first line

>>   this will write in the end of the file without delete anything

12- grep

very useful tool used to search in files

Example   grep Nolan New-Names

grep -i Nolan New-Names   (incase sensitive)

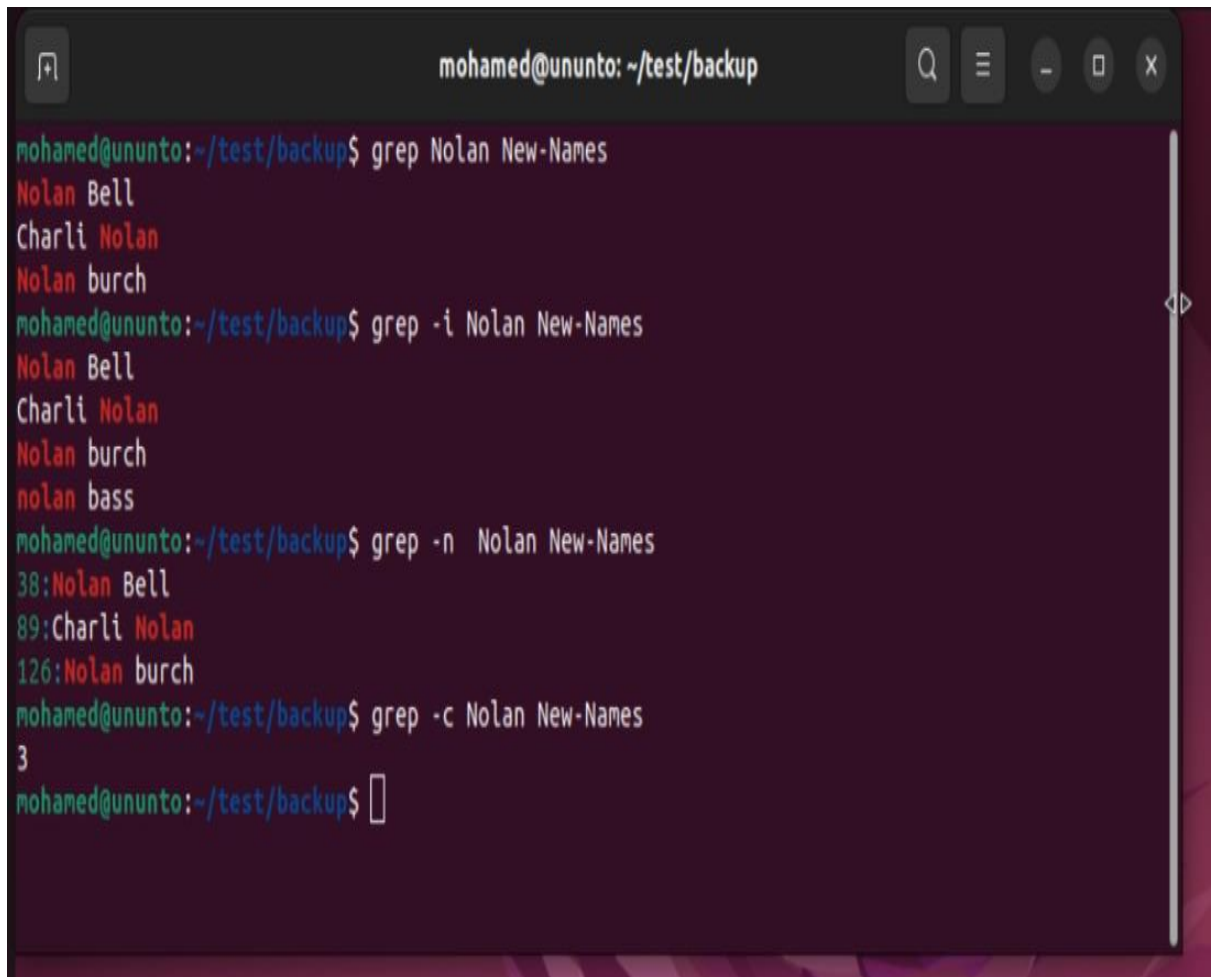grep -n Nolan New-Names   (show lines number)

grep -c Nolan New-Names   (show how many times)

13- sort

used to sort and order text in files

Example   sort animals   (sort in ascending order)

          sort -r animals   (sort in descending order)

          sort -u animals   (remove the redundancy)

```
mohamed@ununto:~/test$ cat animals
elephant
lion
cat
dog
tiger
wolf
cat
cat
dog

mohamed@ununto:~/test$ sort animals

cat
cat
cat
dog
dog
elephant
lion
tiger
wolf
mohamed@ununto:~/test$ sort -r animals
```

```
mohamed@ununto:~/test$ sort -u animals

cat
dog
elephant
lion
tiger
wolf
```

Complete the following questions.

1- …… is command used to create empty files .

2- open command used to open ……

3- If we want to show file content we use ……

4- we can use ………command to create a multiple files in one step.

5- ……. is command used to rename files.

6- If we want to edit file we use …….

7- less command used to …….

8- command dose not allow scroll back …….

9- the head command display …..

10- the command …….. file.txt display the last five lines of the file.

11- we can use the character …. to scroll back one page in less

13- ……. Command used to print messages in the terminal.

14- ……. is very useful tool for searching in files

15- if we want to order text in descending order in file we use……