Unix system command line for beginners
Some bases for a good start

February 2020

To run command line, you need to be in a Unix-like environment , some of the possibilities to do that are describe here.

Some basic shell command need to be known web_tuto_link.

Listing 1: Navigation

```
# See the location of the pointer :
    pwd

# Show contents of folder :
    ls

# Move to parent:
    cd ..

# Move to specific folder :
    cd folderName

# Move to root:
    cd /

# Move to home:
    cd ~
```
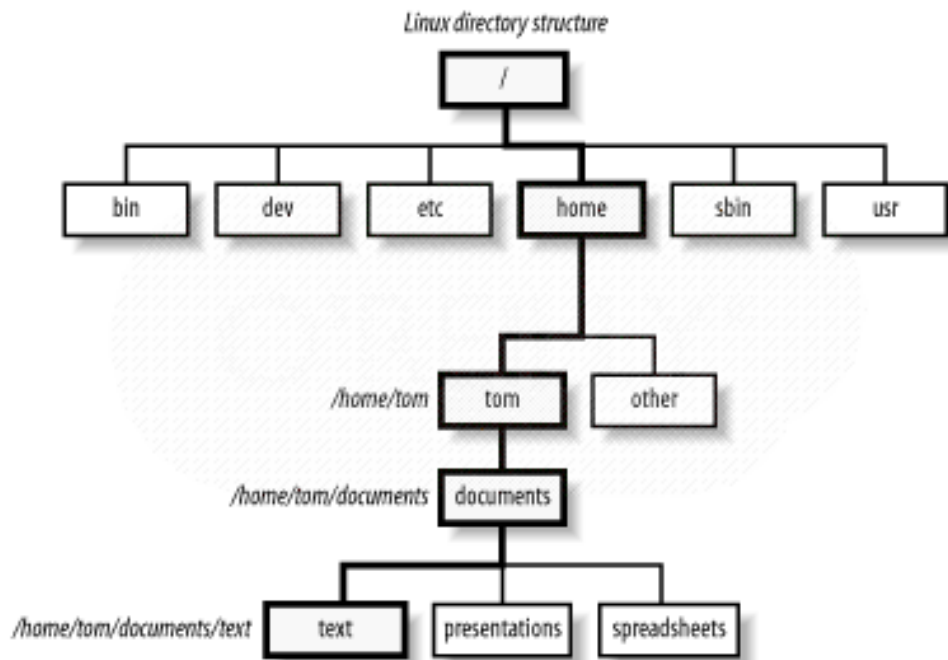
There is some usual terms to know:

An **absolute path** starts from root to the targeted folder

A **relative path** starts from current directory to the targeted folder

Current directory: current directory you are in

Working directory: directory where your jobs are going to do something

Linux directory structure

Listing 2: Content handling

```
# make a new directory
    mkdir directoryName

# delete
# be careful when using that !
    rm −r directoryName
    rm nameOfFile

# create a file
    touch f.txt

# see contents of a text file in the terminal :
    cat f.txt

# if the file is too large it's better to look inside with
    less f.txt # quit interface using "q"

# See the 10 first lines
    head f.txt

# see the 10 last lines
```

```
    tail f.txt

# moving a file
    mv f.txt newName

# copy a file
    cp newName.txt copied.txt
# note that you can also change file/folder name using mv and cp

# locating a file/folder:
    which fileName
```

Listing 3: system management

```
# do more with basic command
man ls
ls ——help

# get some information
    ls −lthra

# see what commands you used up to 500 :
    history

# See system usage data :
    top
```

Some tips:
In command line, space is a special character replace it for _ in the file/folder
name
"ctrl + c" will stop the current command in terminal
"ctrl + d" will disconnect you from terminal
"#" is use to comment stuff
"tab" command will try to do auto-completion
"*" mean "all" example: ls *.txt will show all the txt file
Mouse selection of something in terminal is copying !