MANAGING DIRECTORIES

1. Change the current directory to /home/<user>
When we open the terminal we are already in the /home/palo directory, but if we weren't this is the command we should use:

```
palo@palo-VirtualBox:/$ cd /home/palo
palo@palo-VirtualBox:~$ ls
D1  Desktop    Downloads  Music     Public     Videos
DA  Documents  FOLDER     Pictures  Templates
palo@palo-VirtualBox:~$ s
```

2. Create a directory called systems

```
palo@palo-VirtualBox:~$ mkdir systems
palo@palo-VirtualBox:~$ ls
D1  Desktop    Downloads  Music     Public    Templates
DA  Documents  FOLDER     Pictures  systems   Videos
palo@palo-VirtualBox:~$
```

3. Create a directory called exercises. Go to this directory and create another new directory called programming

```
palo@palo-VirtualBox:~$ mkdir exercises
palo@palo-VirtualBox:~$ cd exercises
palo@palo-VirtualBox:~/exercises$ mkdir programming
palo@palo-VirtualBox:~/exercises$ ls
programming
palo@palo-VirtualBox:~/exercises$
```

4. Go back to the user's home directory. Delete the directories "exercises" and "programming" using just one command. Create the directories again with one command.

```
palo@palo-VirtualBox:~/exercises$ cd ..
palo@palo-VirtualBox:~$ rmdir -p exercises/programming
palo@palo-VirtualBox:~$ ls
D1  Desktop    Downloads  Music     Public    Templates
DA  Documents  FOLDER     Pictures  systems   Videos
palo@palo-VirtualBox:~$ mkdir -p exercises/programming
palo@palo-VirtualBox:~$ ls
D1        Documents  FOLDER     Public     Videos
DA        Downloads  Music      systems
Desktop   exercises  Pictures   Templates
palo@palo-VirtualBox:~$ cd exercises
palo@palo-VirtualBox:~/exercises$ ls
programming
palo@palo-VirtualBox:~/exercises$
```

5. Print the contents of the root directory
We first go to root using: cd ../.. and then use the command: ls

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

6. Print all the files and directories that begin with d in the /usr/bin directory

```
palo@palo-VirtualBox:/$ cd /usr/bin
palo@palo-VirtualBox:/usr/bin$ ls d*
dash                                    df
date                                    dfu-tool
dbus-cleanup-sockets                    dh_bash-completion
dbus-daemon                             dh_installxmlcatalogs
dbus-launch                             dh_perl_openssl
dbus-monitor                            diff
dbus-run-session                        diff3
dbus-send                               dig
dbus-update-activation-environment      dir
dbus-uuidgen                            dircolors
dc                                      dirmngr
dconf                                   dirmngr-client
dd                                      dirname
ddstdecode                              dirsplit
deallocvt                               dmesg
debconf                                 dnsdomainname
debconf-apt-progress                    domainname
debconf-communicate                     do-release-upgrade
debconf-copydb                          dpkg
debconf-escape                          dpkg-deb
debconf-set-selections                  dpkg-divert
debconf-show                            dpkg-maintscript-helper
deb-systemd-helper                      dpkg-query
deb-systemd-invoke                      dpkg-split
delpart                                 dpkg-statoverride
delv                                    dpkg-trigger
desktop-file-edit                       driverless
desktop-file-install                    du
desktop-file-validate                   dumpkeys
devdump                                 dvipdf
palo@palo-VirtualBox:/usr/bin$
```

7. List all the files and directories in /etc, including subdirectories

```
palo@palo-VirtualBox:~$ ls -l /etc
total 1068
drwxr-xr-x   3 root root    4096 feb  9  2021 acpi
-rw-r--r--   1 root root    3028 feb  9  2021 adduser.conf
drwxr-xr-x   3 root root    4096 feb  9  2021 alsa
drwxr-xr-x   2 root root    4096 oct  9 11:19 alternatives
-rw-r--r--   1 root root     401 jul 16  2019 anacrontab
-rw-r--r--   1 root root     433 oct  2  2017 apg.conf
drwxr-xr-x   5 root root    4096 feb  9  2021 apm
drwxr-xr-x   3 root root    4096 feb  9  2021 apparmor
```

8. Create the empty files called student.txt, student1.txt, student2.txt, list, luggage and last
in the directory named "systems"

```
palo@palo-VirtualBox:~$ cd systems; touch student.txt student
2.txt list luggage last
palo@palo-VirtualBox:~/systems$ ls
last  list  luggage  student2.txt  student.txt
palo@palo-VirtualBox:~/systems$
```

9. Print all the files that begin with "l" in the directory "systems"

```
palo@palo-VirtualBox:~/systems$ ls l*
last  list  luggage
palo@palo-VirtualBox:~/systems$
```

10. Print all the files that end with "txt" in the directory "systems"

```
palo@palo-VirtualBox:~/systems$ ls *txt
student2.txt   student.txt
palo@palo-VirtualBox:~/systems$
```

11. Create a new directory into $HOME called "config"

```
palo@palo-VirtualBox:~/systems$ mkdir $HOME/config
```

12. Copy all the files in /etc which begin with "a" into "config"

```
palo@palo-VirtualBox:~$ cp /etc/a* config
cp: -r not specified; omitting directory '/etc/acpi'
cp: -r not specified; omitting directory '/etc/alsa'
cp: -r not specified; omitting directory '/etc/alternatives'
cp: -r not specified; omitting directory '/etc/apm'
cp: -r not specified; omitting directory '/etc/apparmor'
cp: -r not specified; omitting directory '/etc/apparmor.d'
cp: -r not specified; omitting directory '/etc/apport'
cp: -r not specified; omitting directory '/etc/apt'
cp: -r not specified; omitting directory '/etc/avahi'
```

13.Delete all the files in "config" which end with "conf"

```
palo@palo-VirtualBox:~$ rm config/*conf
palo@palo-VirtualBox:~$
```