Managing directories:

1, 2 and 3: Change your current directory to the home directory. Create directories. To create these directories we will need to use the mkdir command. Then we will need to introduce the following commands

```
ignacio@ignacio-VirtualBox:~$ cd
ignacio@ignacio-VirtualBox:~$ mkdir systems
ignacio@ignacio-VirtualBox:~$ mkdir exercises
ignacio@ignacio-VirtualBox:~$ cd exercises
ignacio@ignacio-VirtualBox:~/exercises$ mkdir programming
ignacio@ignacio-VirtualBox:~/exercises$ cd
```

4. Deleting the exercises directory will automatically delete the programming directory

```
ignacio@ignacio-VirtualBox:~$ rm -r exercises
```

This command will create the two directories previously deleted at the same time

```
ignacio@ignacio-VirtualBox:~$ mkdir -p exercises/programming
```

5. This will print the root contents of the ubuntu virtual machine.

```
ignacio@ignacio-VirtualBox:~$ sudo ls /root
snap
```

6. This command will print every file and directory starting with **d** inside the /usr/bin directory.

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

7. This command will print every file, directory and subdirectory in the /etc directory.

```
ignacio@ignacio-VirtualBox:~$ ls /etc
acpi                             hdparm.conf            pnm2ppa.conf
adduser.conf                     host.conf              polkit-1
alsa                             hostid                 popularity-contest.conf
alternatives                     hostname               ppp
anacrontab                       hosts                  profile
apg.conf                         hosts.allow            profile.d
apm                              hosts.deny             protocols
apparmor                         hp                     pulse
apparmor.d                       ifplugd                python3
apport                           init                   python3.8
appstream.conf                   init.d                 rc0.d
apt                              initramfs-tools        rc1.d
avahi                            inputrc                rc2.d
bash.bashrc                      insserv.conf.d         rc3.d
bash_completion                  iproute2               rc4.d
bash_completion.d                issue                  rc5.d
bindresvport.blacklist           issue.net              rc6.d
binfmt.d                         kernel                 rcS.d
bluetooth                        kernel-img.conf        resolv.conf
brlapi.key                       kerneloops.conf        rmt
brltty                           ldap                   rpc
brltty.conf                      ld.so.cache            rsyslog.conf
ca-certificates                  ld.so.conf             rsyslog.d
ca-certificates.conf             ld.so.conf.d           rygel.conf
ca-certificates.conf.dpkg-old    legal                  sane.d
calendar                         libao.conf             security
chatscripts                      libaudit.conf          selinux
console-setup                    libblockdev            sensors3.conf
```

8. This command will create the directory "**systems**" with the "**student**" files as well as the **list luggage** and **last** files.

```
ignacio@ignacio-VirtualBox:~$ cd systems; touch student.txt student1.txt studen
t2.txt list luggage last
ignacio@ignacio-VirtualBox:~/systems$ cd
ignacio@ignacio-VirtualBox:~$ 
```

9. The **cd systems** command will enter the "**systems**" directory. Then we will introduce the **ls l*** command to show only the files starting with l.

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

10. The **cd systems** command will enter the "**systems**" directory. Then we will introduce the **ls *txt** to show us the files ending with "txt".

```
ignacio@ignacio-VirtualBox:~/systems$ ls *txt
student1.txt  student2.txt  student.txt
ignacio@ignacio-VirtualBox:~/systems$ 
```

11. The following command will create the "**config**" directory inside $HOME.

```
ignacio@ignacio-VirtualBox:~$ mkdir $HOME/config
ignacio@ignacio-VirtualBox:~$ 
```

12. The "**cp /etc/a* config**" command will copy the files starting with "a" from **/etc** into config.

```
ignacio@ignacio-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'
ignacio@ignacio-VirtualBox:~$
```

13. The **rm config/*conf** command will delete all the files in **config** ending with "conf".

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