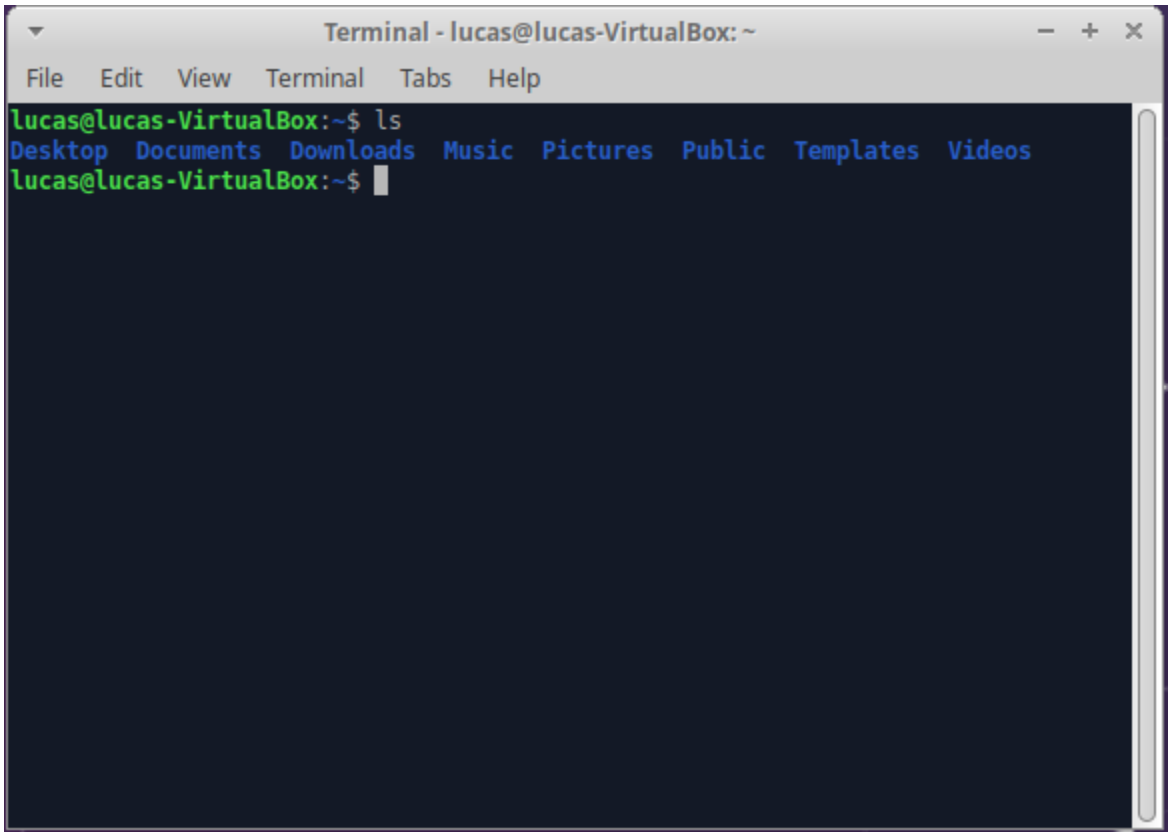
Semana_1b

Link deste documento no Google Docs para melhor visualização com os outlines
https://docs.google.com/document/d/1UTeeS-lWKxPAvj380uhWvBRtYPqQo_tsDj9FxwVsIgg/edit?usp=sharing

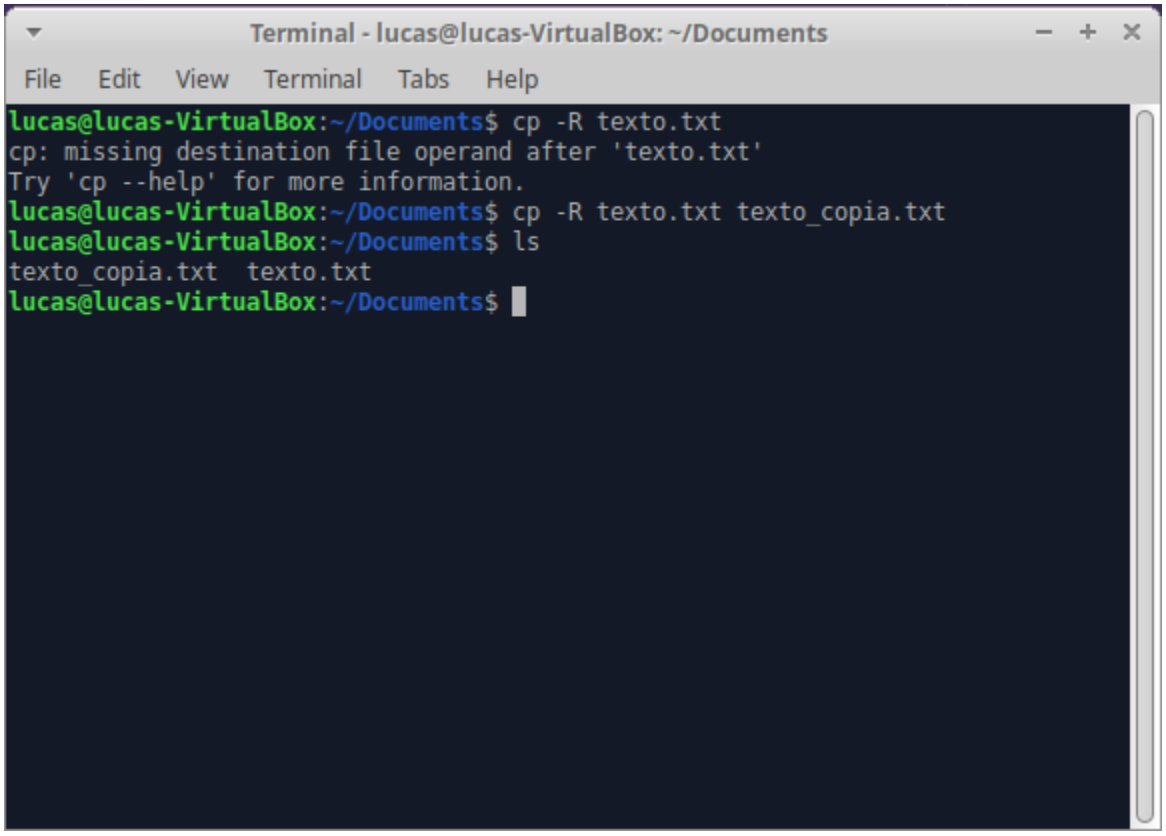
Lucas Eduardo Marra de Lima 11611EMT002

Capítulo 1

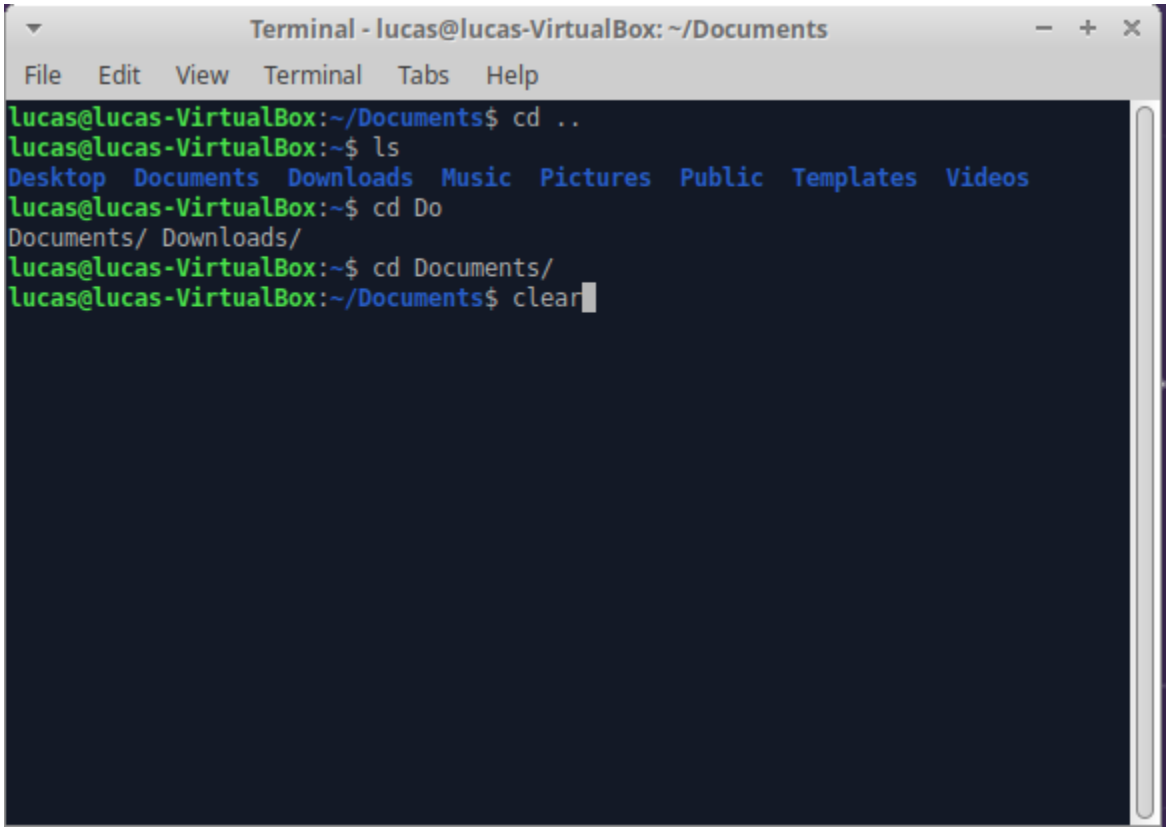
Comando: ls

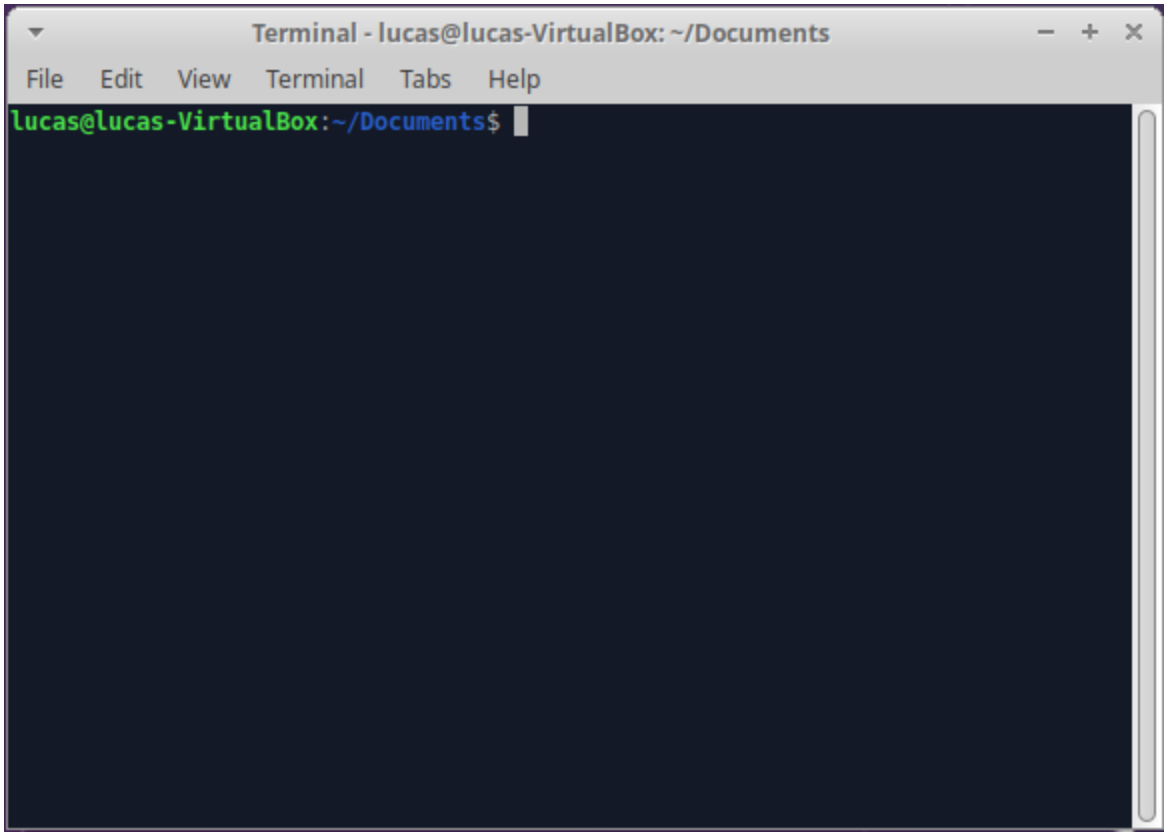


Comando: cp

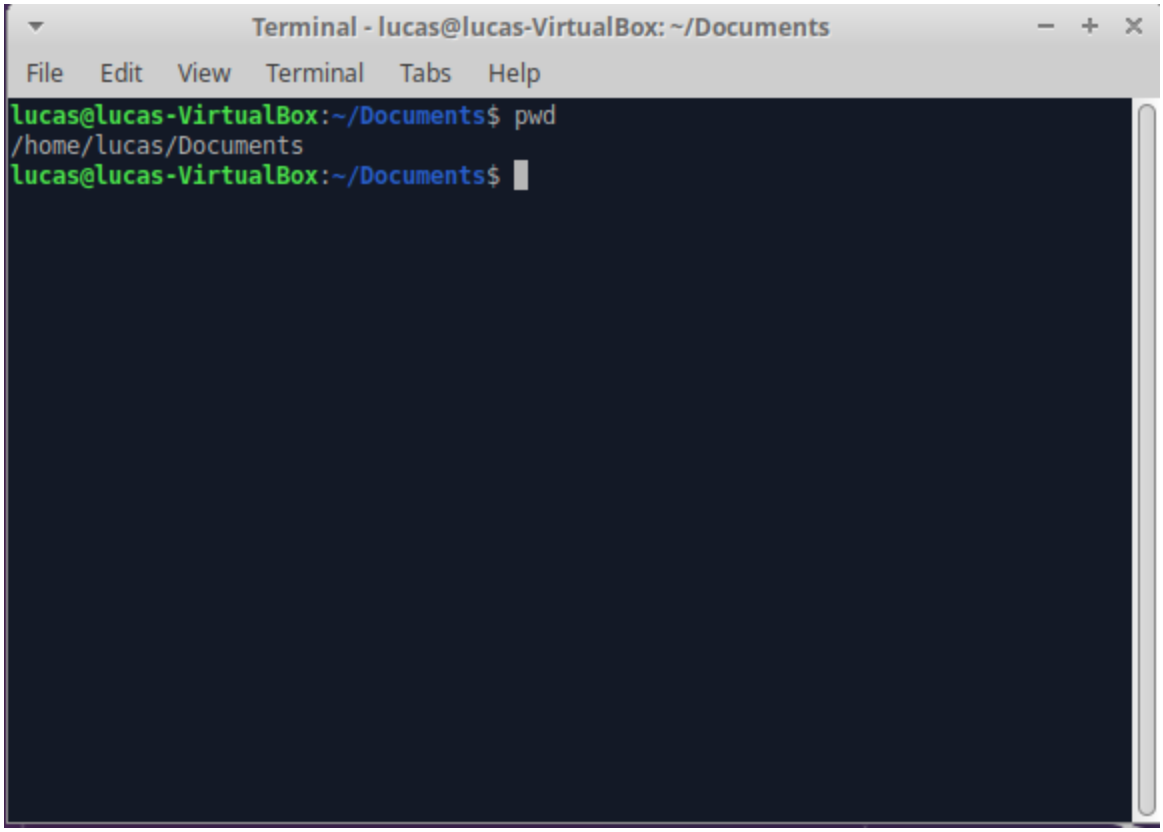

Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ cp -R texto.txt
cp: missing destination file operand after 'texto.txt'
Try 'cp --help' for more information.
lucas@lucas-VirtualBox:~/Documents$ cp -R texto.txt texto_copia.txt
lucas@lucas-VirtualBox:~/Documents$ ls
texto_copia.txt texto.txt
lucas@lucas-VirtualBox:~/Documents$

Comandos: cd e clear



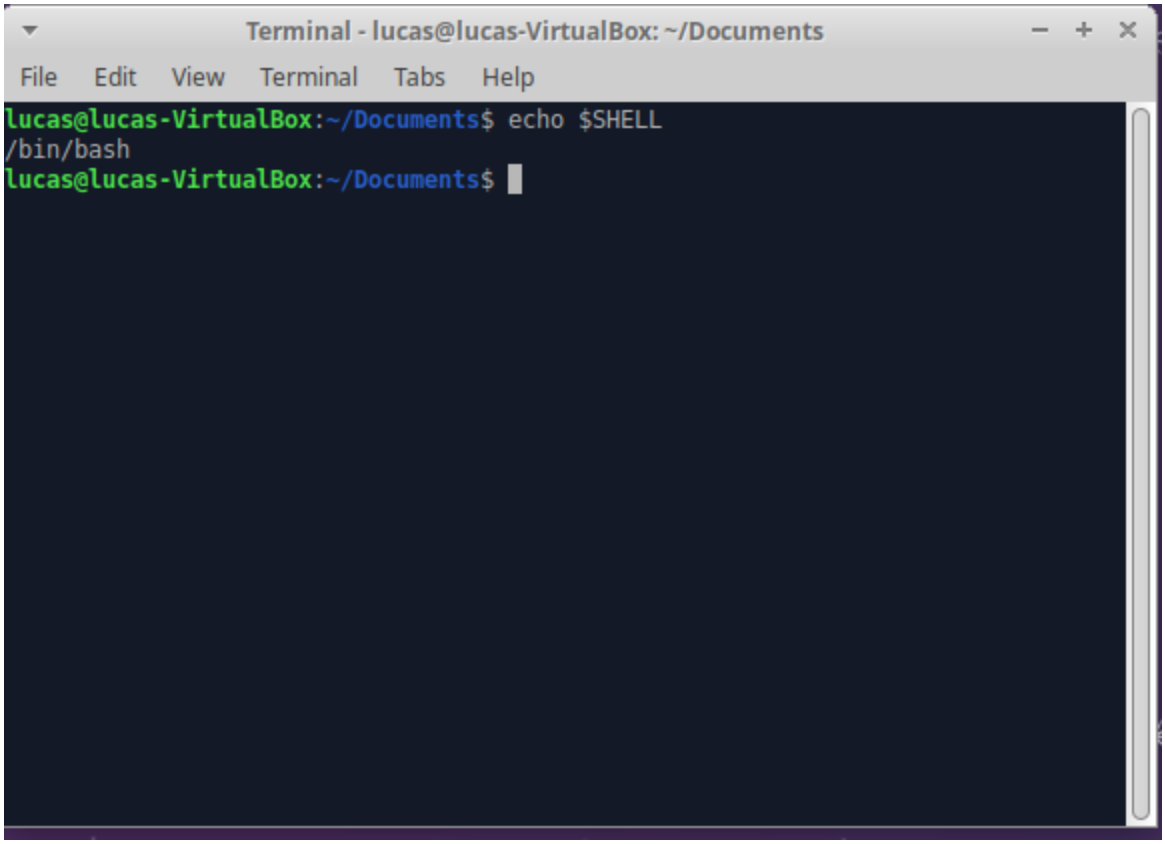

Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$

Comando: pwd



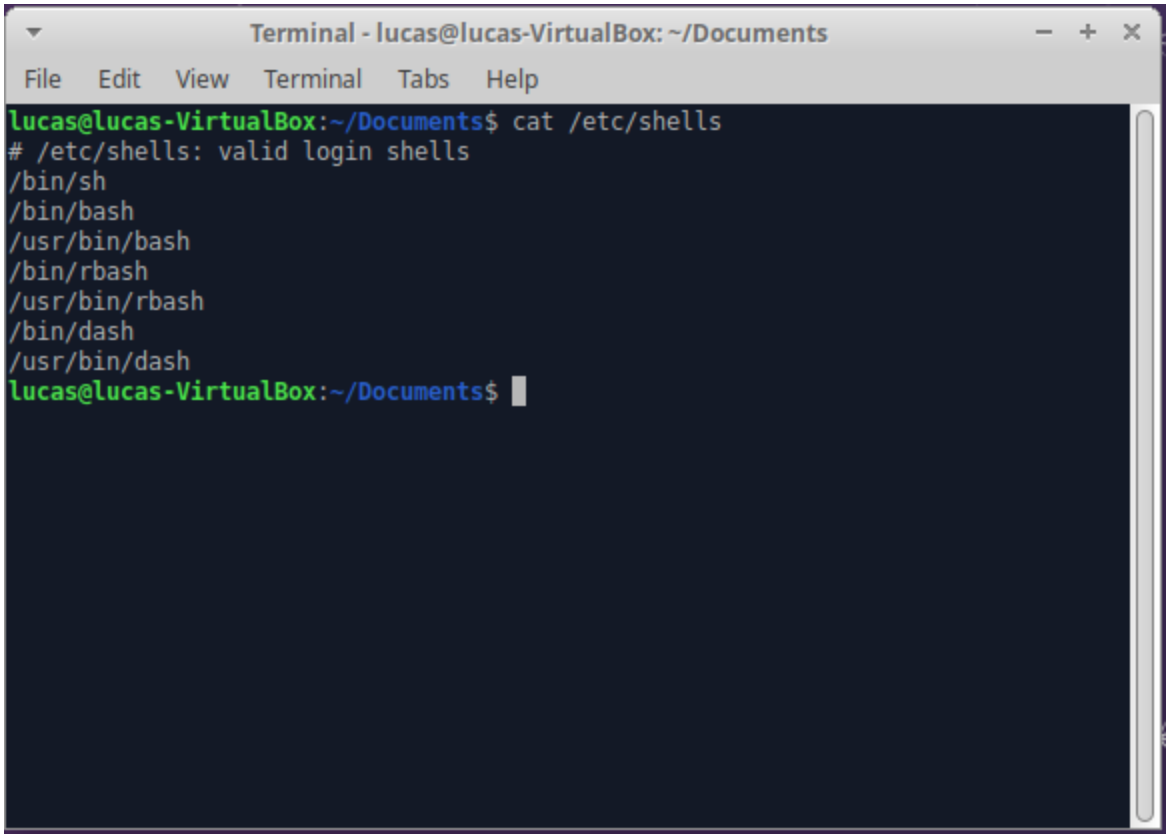
Comando: echo

O comando echo é utilizado para imprimir variáveis de ambiente ou textos no terminal.



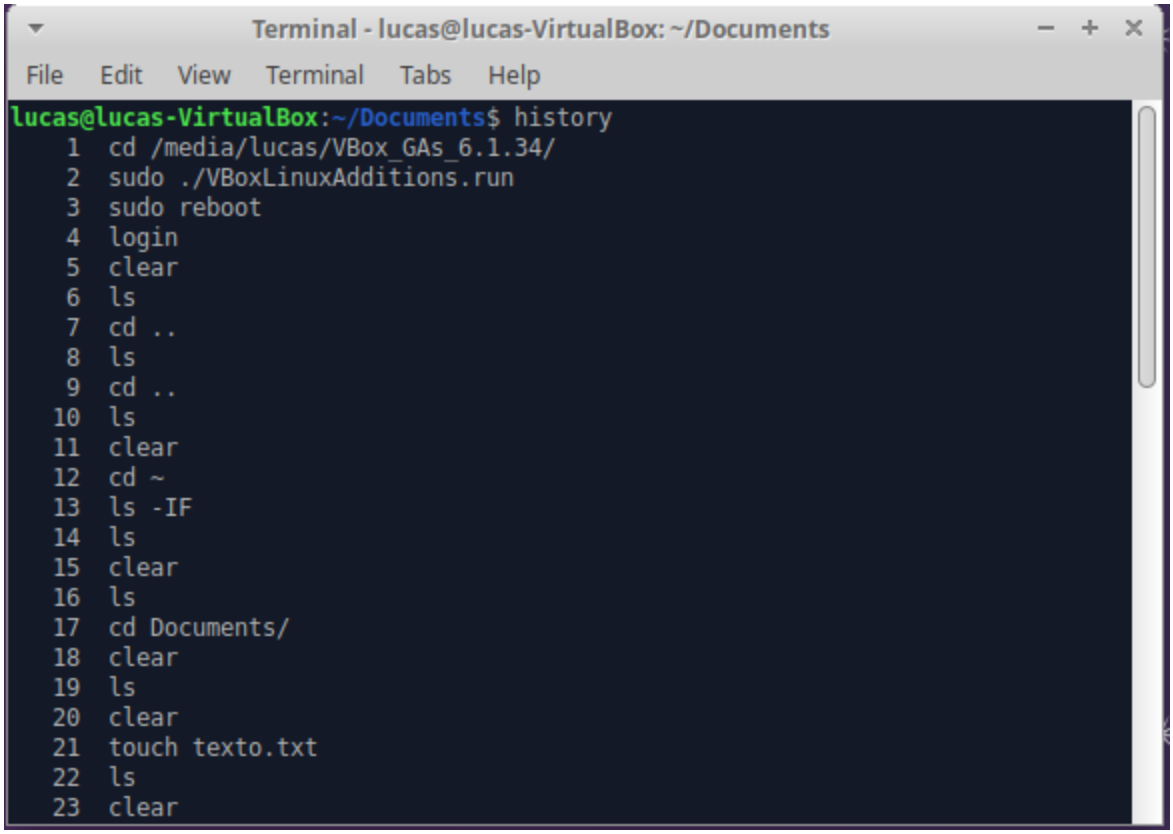
Comando: cat

O comando cat é utilizado para concatenar arquivos, ou entrada padrão, e imprimir o resultado na saída padrão, sendo, muitas vezes utilizado para ler conteúdos de arquivos,visualizando-os no terminal



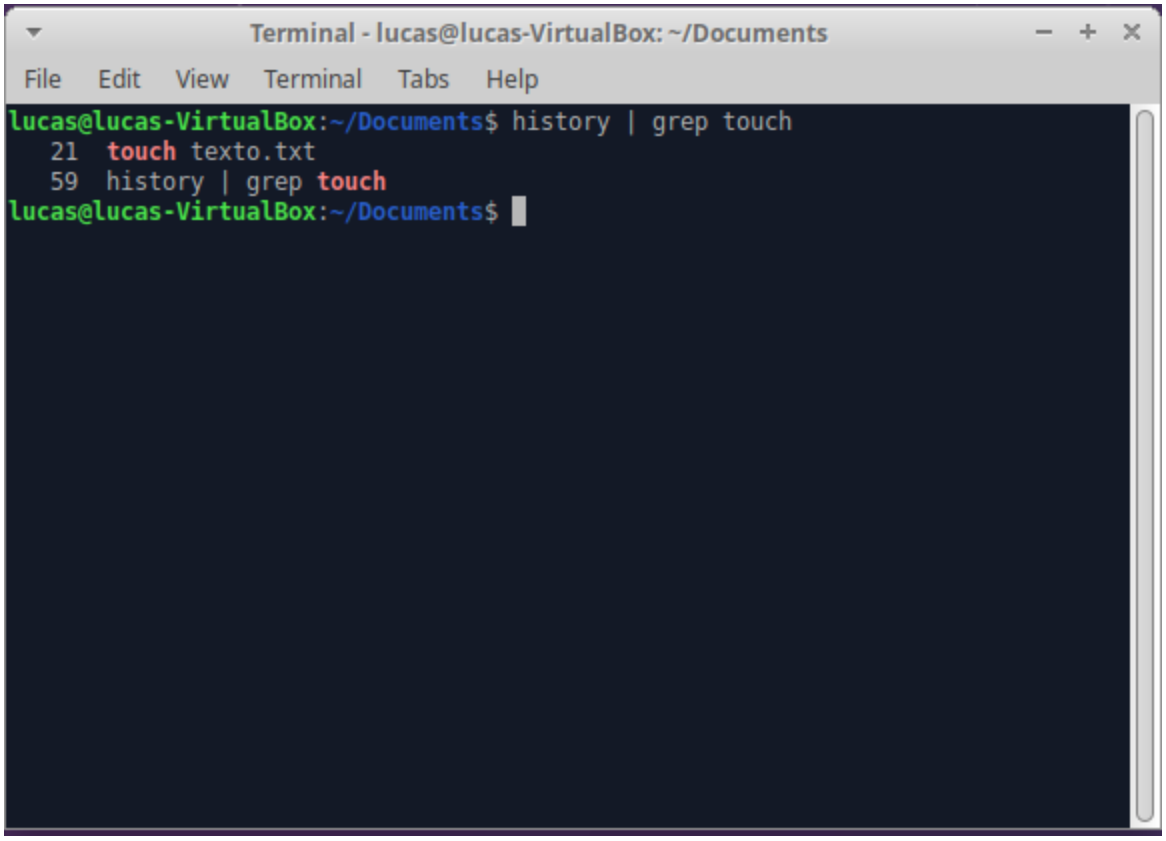
Comando: history

O comando history pode ser executado para listar o histórico de comandos utilizados no Terminal.



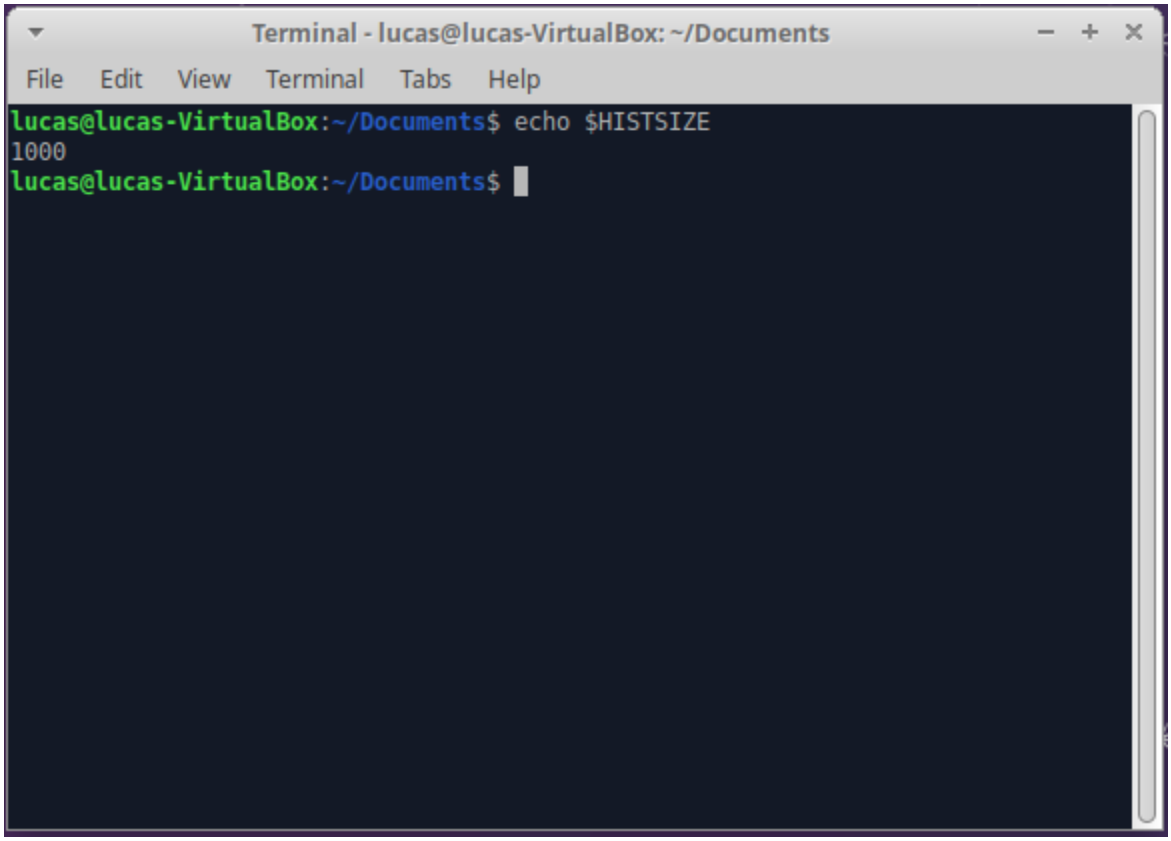
Comando: history | grep ${COMANDO}

Para procurar um determinado comando no history, basta usá-lo em combinação com o comando grep.

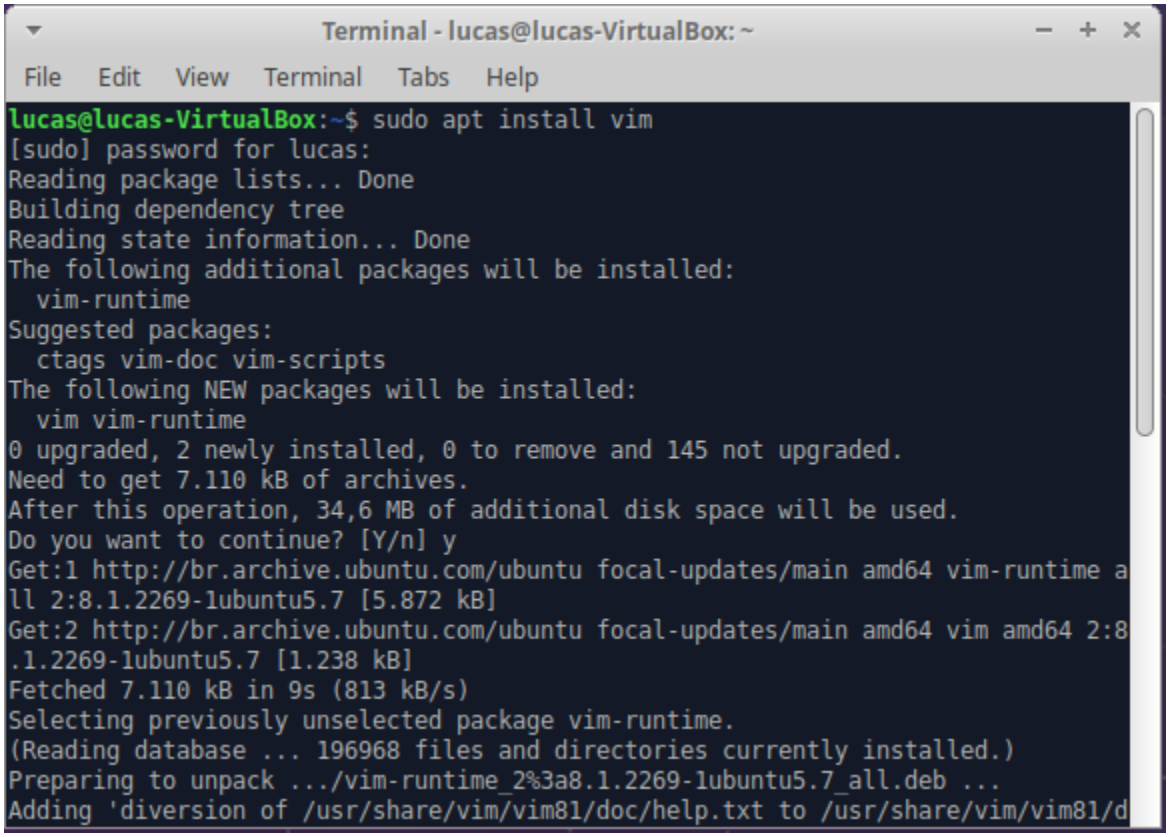

Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ history | grep touch
21 touch texto.txt
59 history | grep touch
lucas@lucas-VirtualBox:~/Documents$

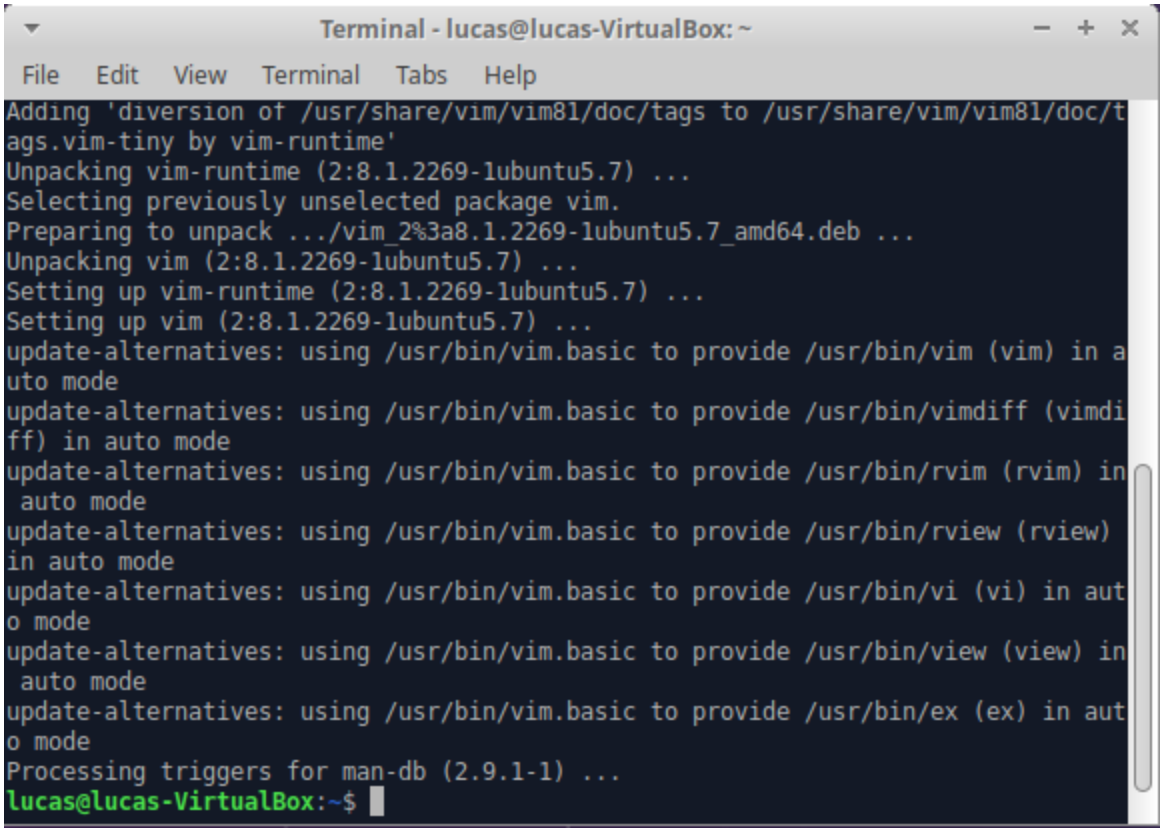
Comando: echo $HISTSIZE

Para listar o valor atual da variável de ambiente que define o tamanho máximo utiliza-se o comando echo para printar o valor da variável $HISTSIZE



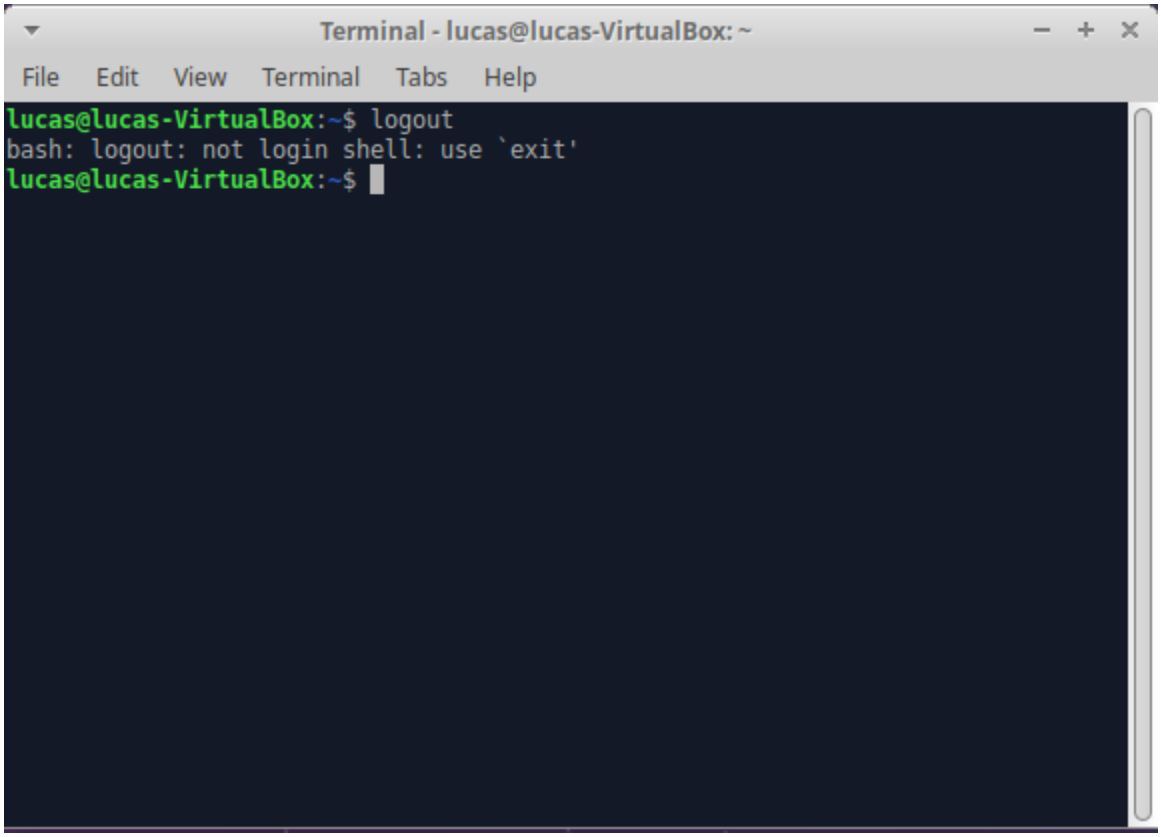
Comando: apt install




Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
Adding 'diversion of /usr/share/vim/vim81/doc/tags to /usr/share/vim/vim81/doc/tags.vim-tiny by vim-runtime'
Unpacking vim-runtime (2:8.1.2269-1ubuntu5.7) ...
Selecting previously unselected package vim.
Preparing to unpack .../vim_2%3a8.1.2269-1ubuntu5.7_amd64.deb ...
Unpacking vim (2:8.1.2269-1ubuntu5.7) ...
Setting up vim-runtime (2:8.1.2269-1ubuntu5.7) ...
Setting up vim (2:8.1.2269-1ubuntu5.7) ...
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimdiff) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in auto mode
Processing triggers for man-db (2.9.1-1) ...
lucas@lucas-VirtualBox:~$

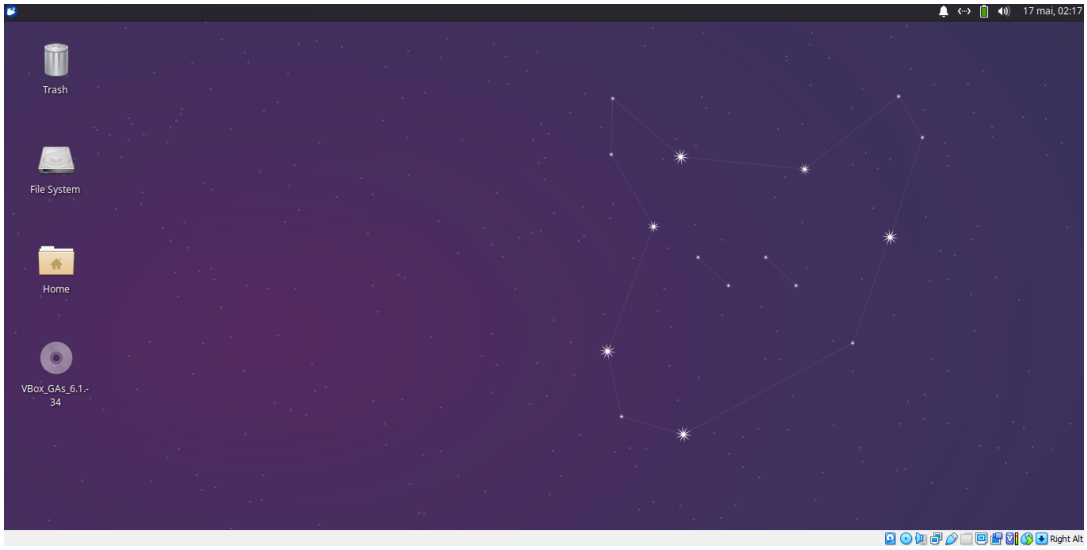
Capítulo 2

Comando: logout

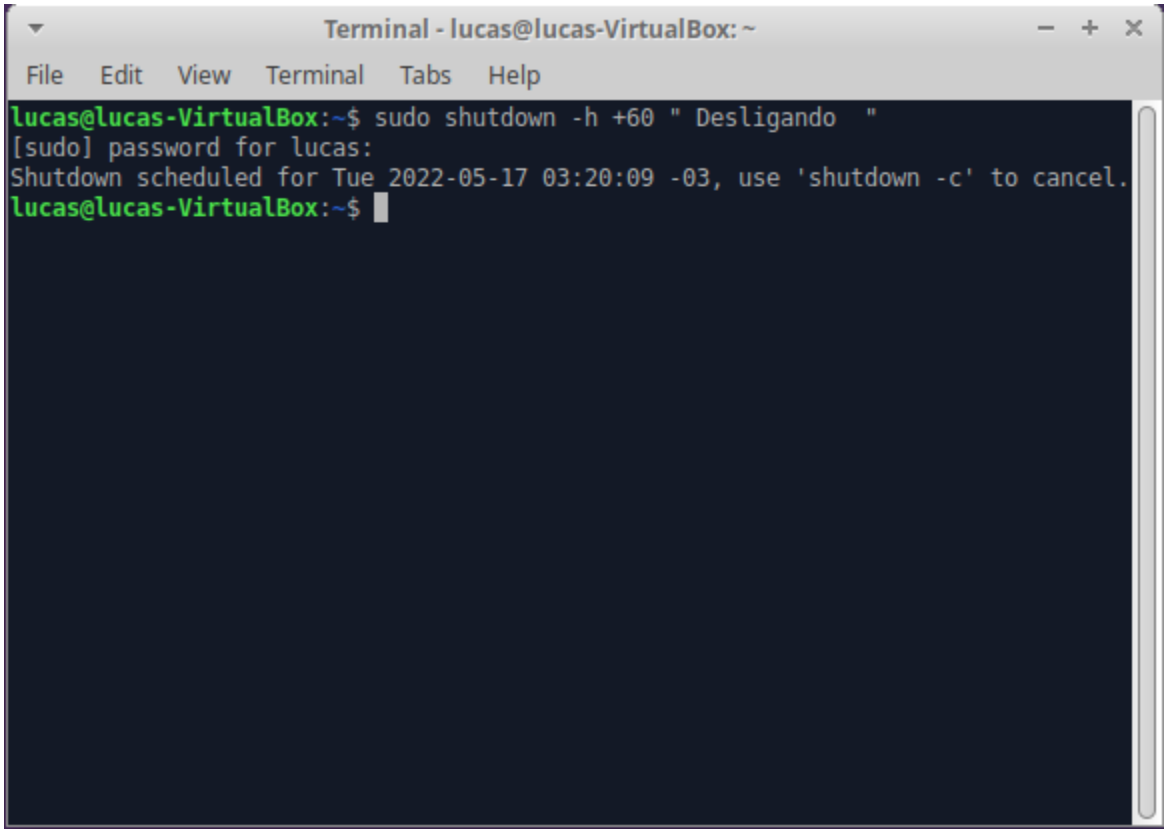


Comando: exit

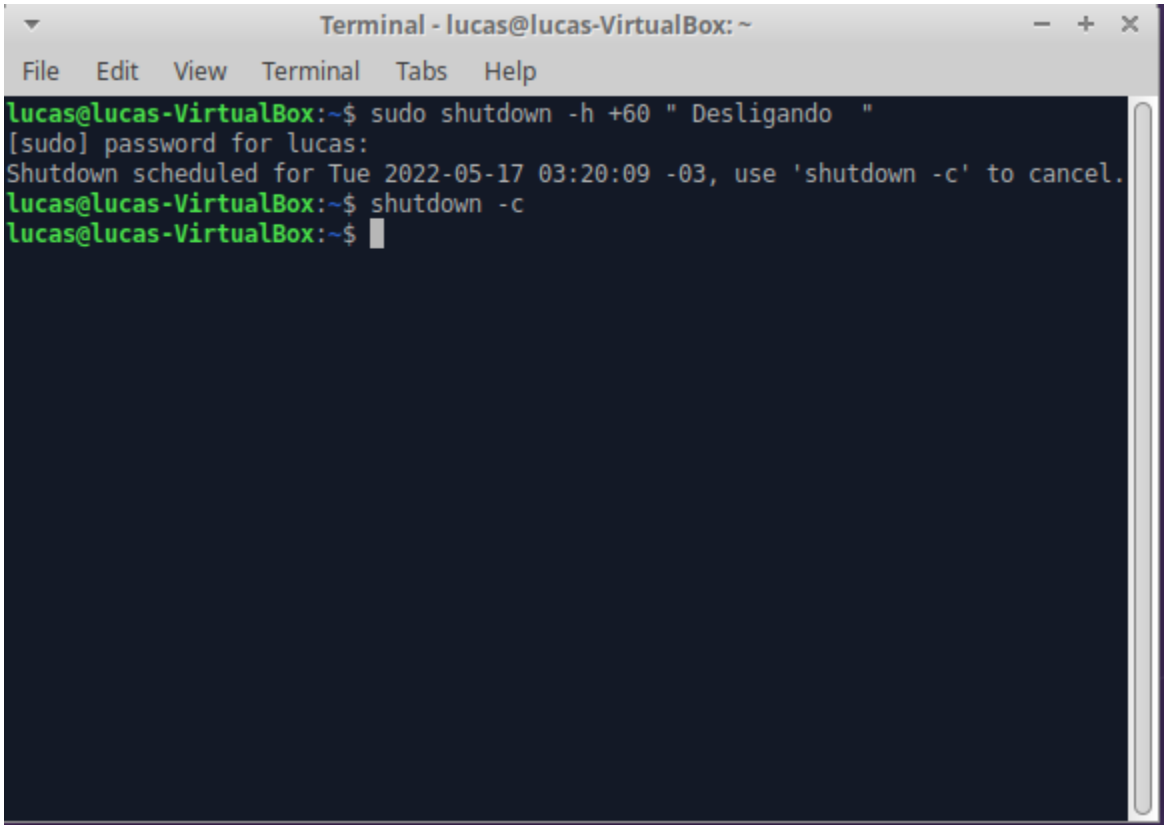
Após executar o comando no shell, o shell foi fechado



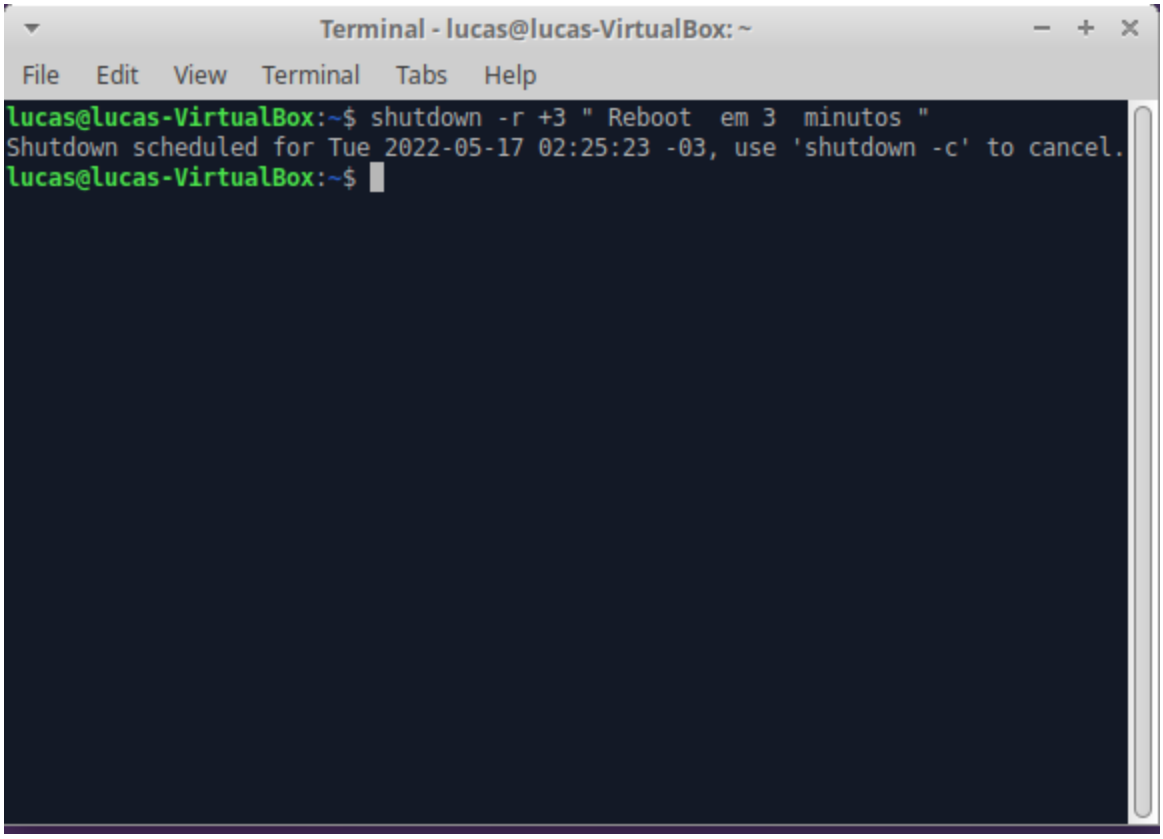
Comando: sudo shutdown -h +60 " Desligando "



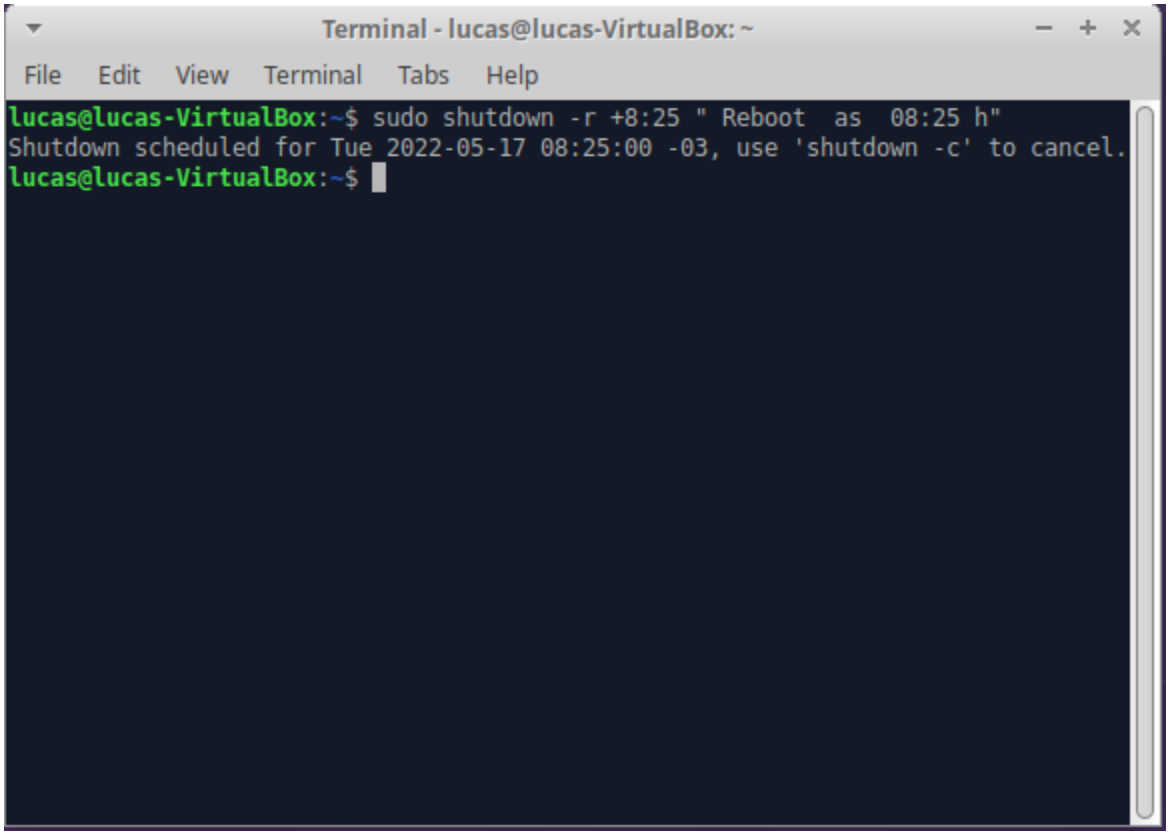
Comando: shutdown -c



Comando: shutdown -r +3 " Reboot em 3 minutos "

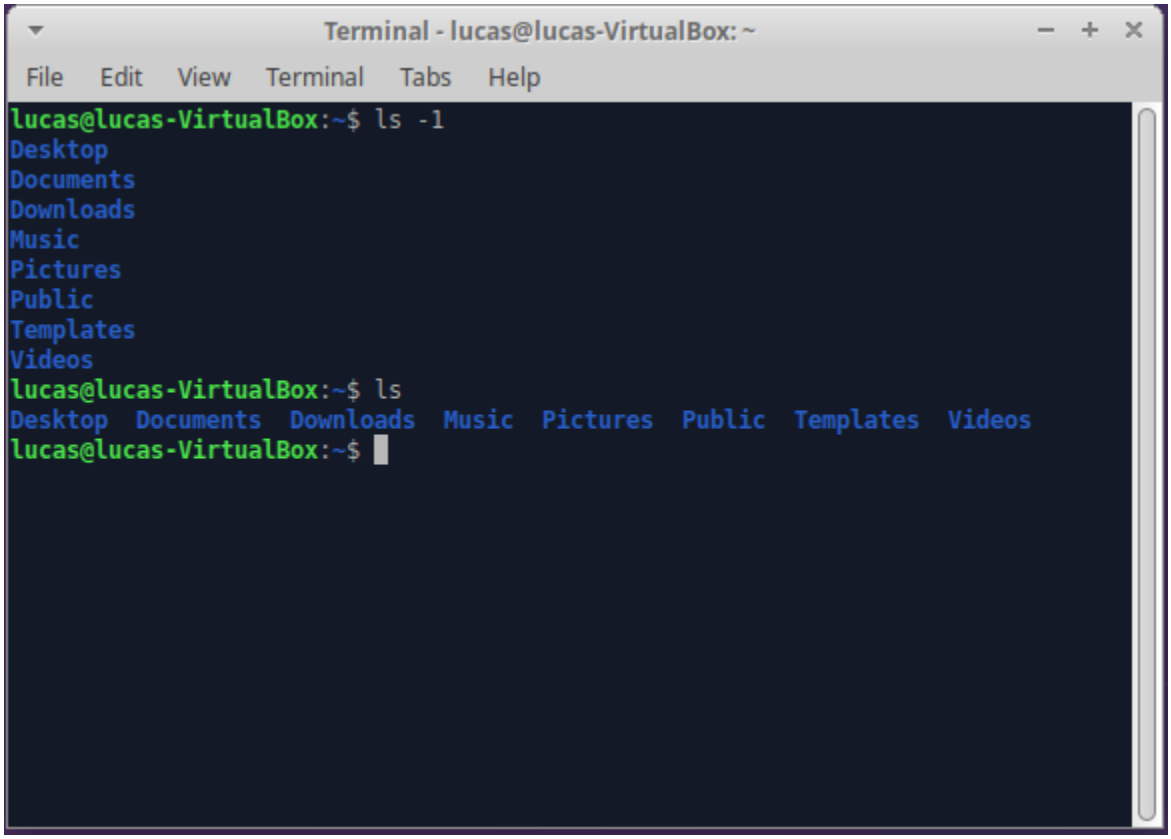

Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ shutdown -r +3 " Reboot em 3 minutos "
Shutdown scheduled for Tue 2022-05-17 02:25:23 -03, use 'shutdown -c' to cancel.
lucas@lucas-VirtualBox:~$

Comando: sudo shutdown -r +8:25 " Reboot as 08:25 h"

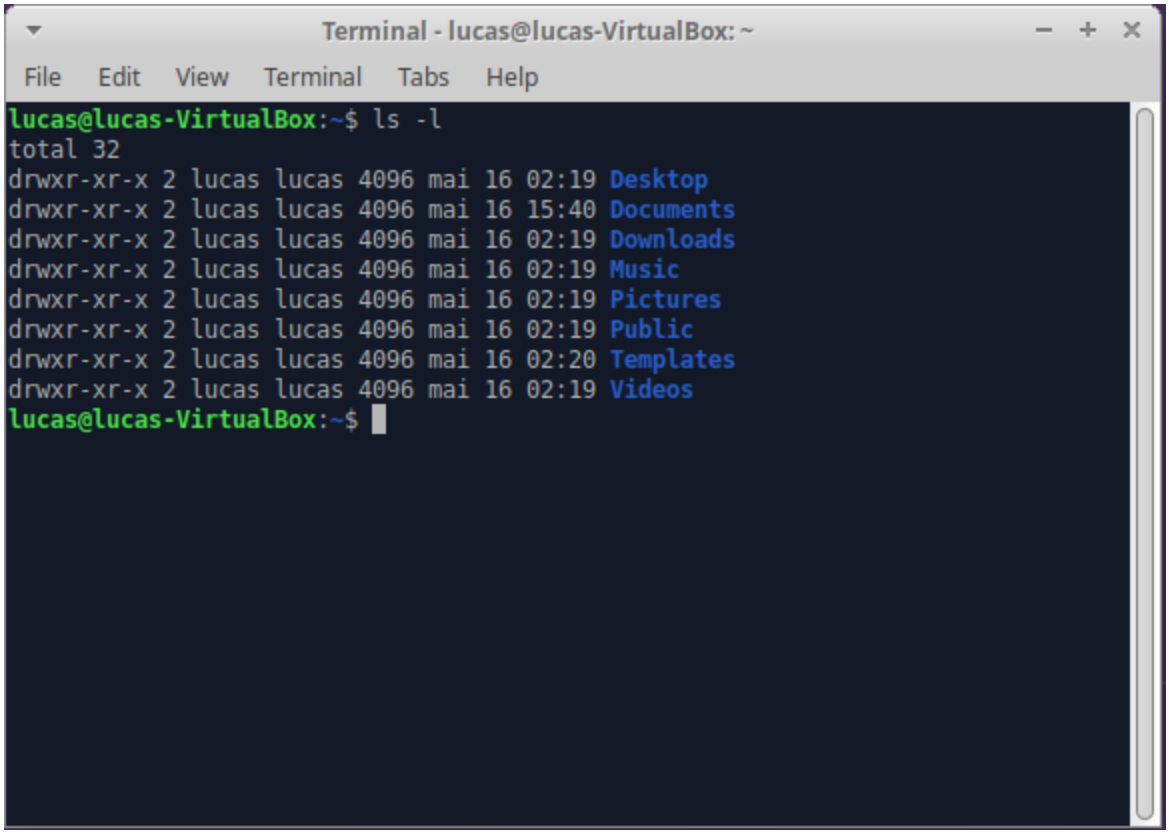


Capítulo 3

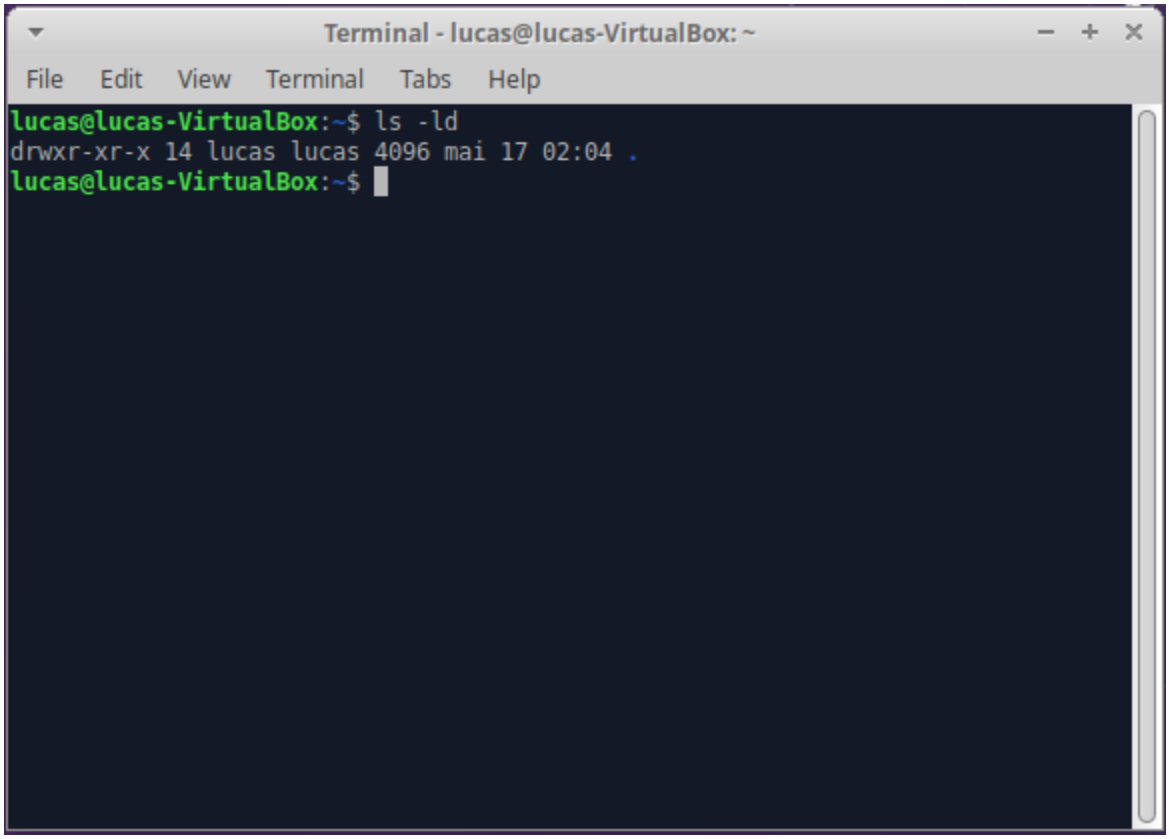
Comando: ls -1



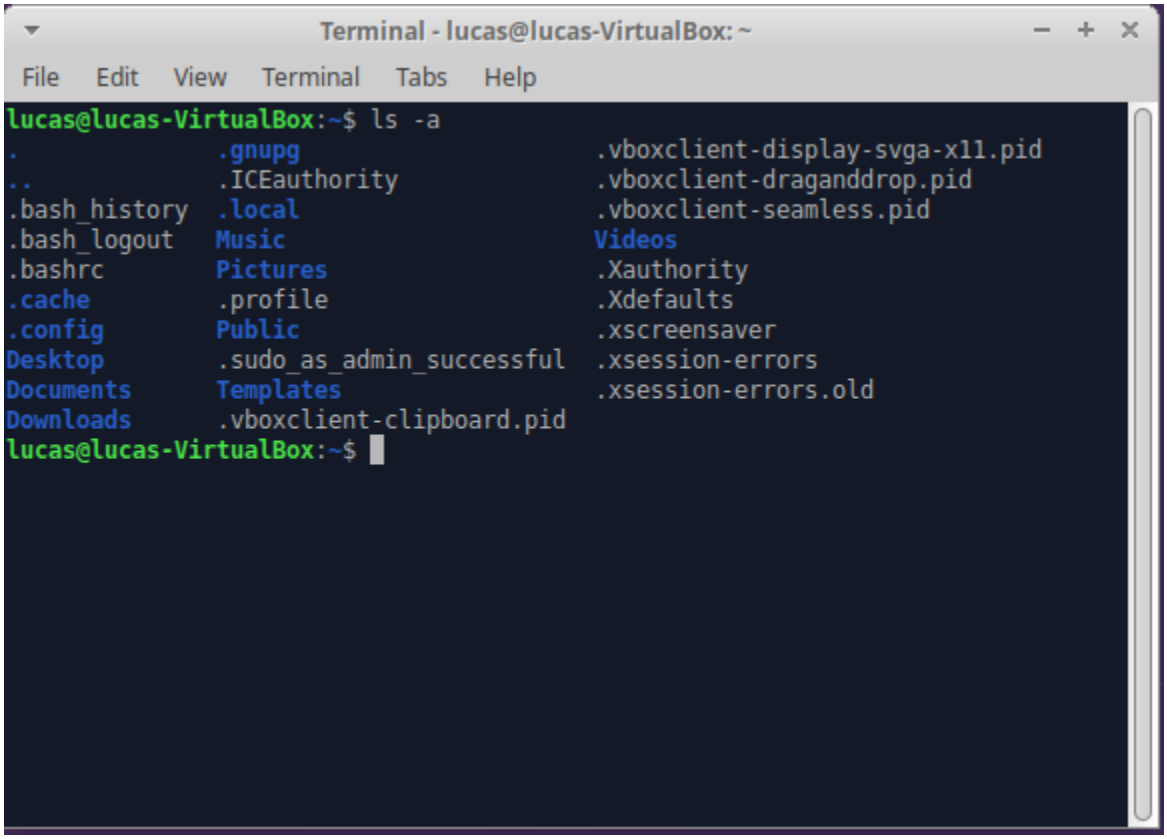
Comando: ls -l


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ ls -l
total 32
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:19 Desktop
drwxr-xr-x 2 lucas lucas 4096 mai 16 15:40 Documents
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:19 Downloads
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:19 Music
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:19 Pictures
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:19 Public
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:20 Templates
drwxr-xr-x 2 lucas lucas 4096 mai 16 02:19 Videos
lucas@lucas-VirtualBox:~$

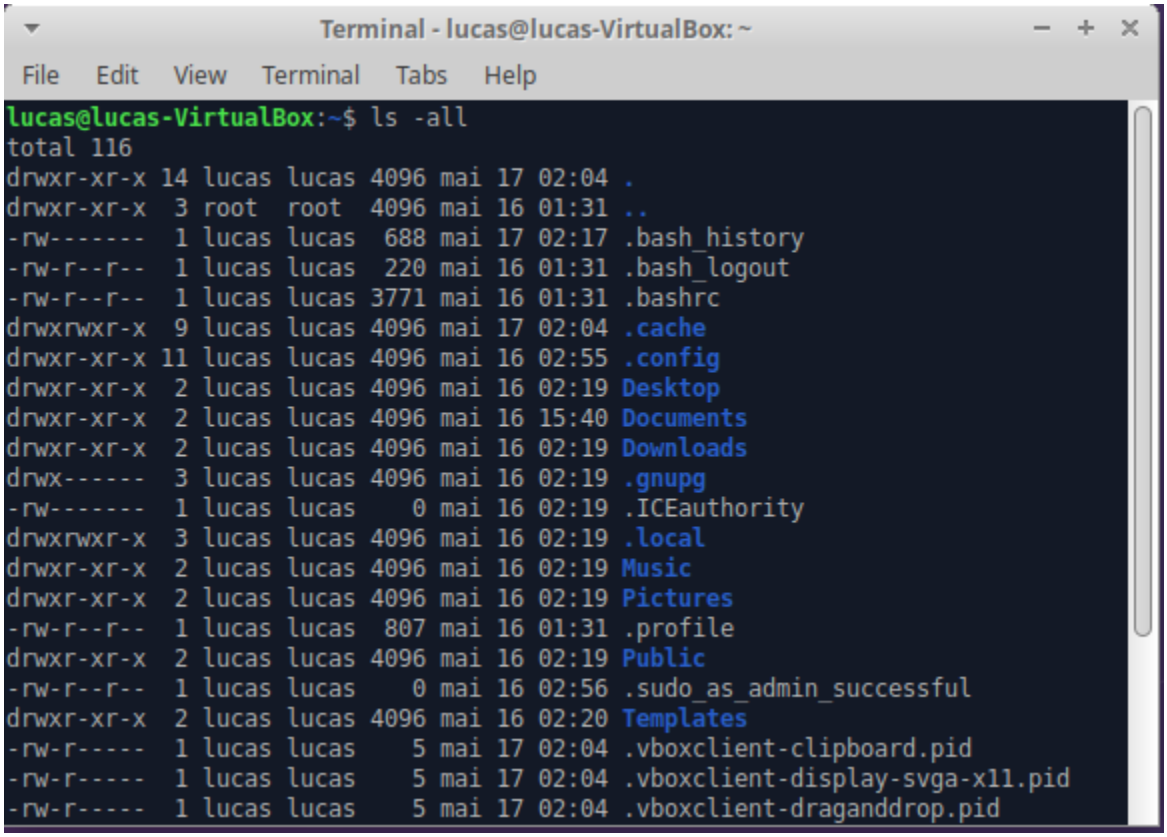
Comando: ls -ld



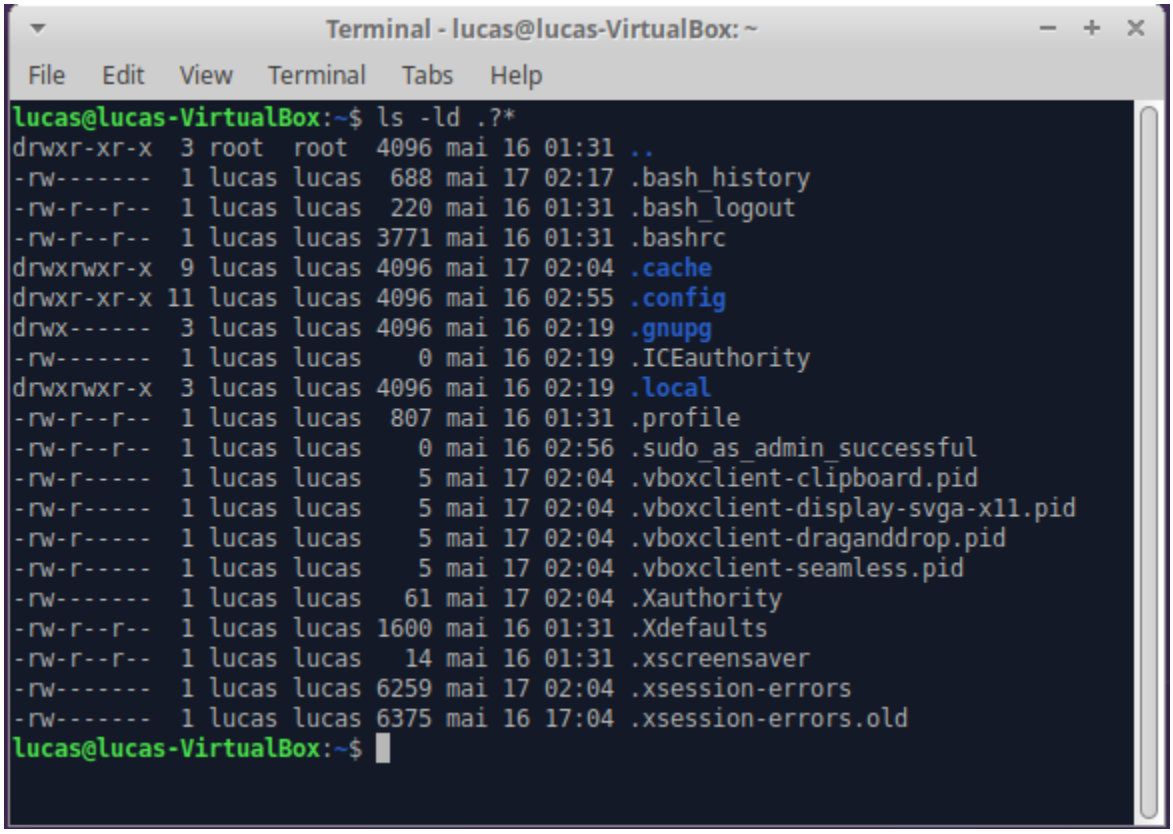
Comando: ls -a


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ ls -a
. .gnupg .vboxclient-display-svga-x11.pid
.. .ICEauthority .vboxclient-draganddrop.pid
.bash_history .local .vboxclient-seamless.pid
.bash_logout Music Videos
.bashrc Pictures .Xauthority
.cache .profile .Xdefaults
.config Public .xscreensaver
Desktop .sudo_as_admin_successful .xsession-errors
Documents Templates .xsession-errors.old
Downloads .vboxclient-clipboard.pid
lucas@lucas-VirtualBox:~$

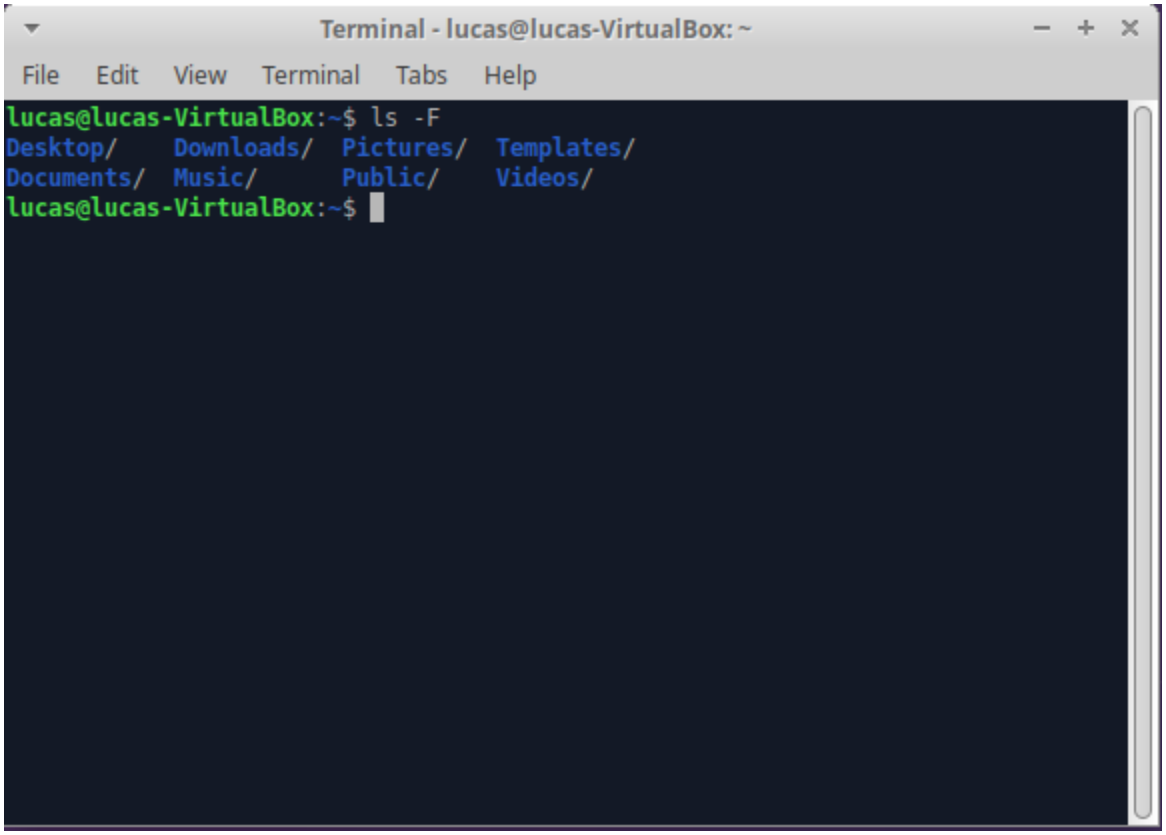
Comando: ls -all



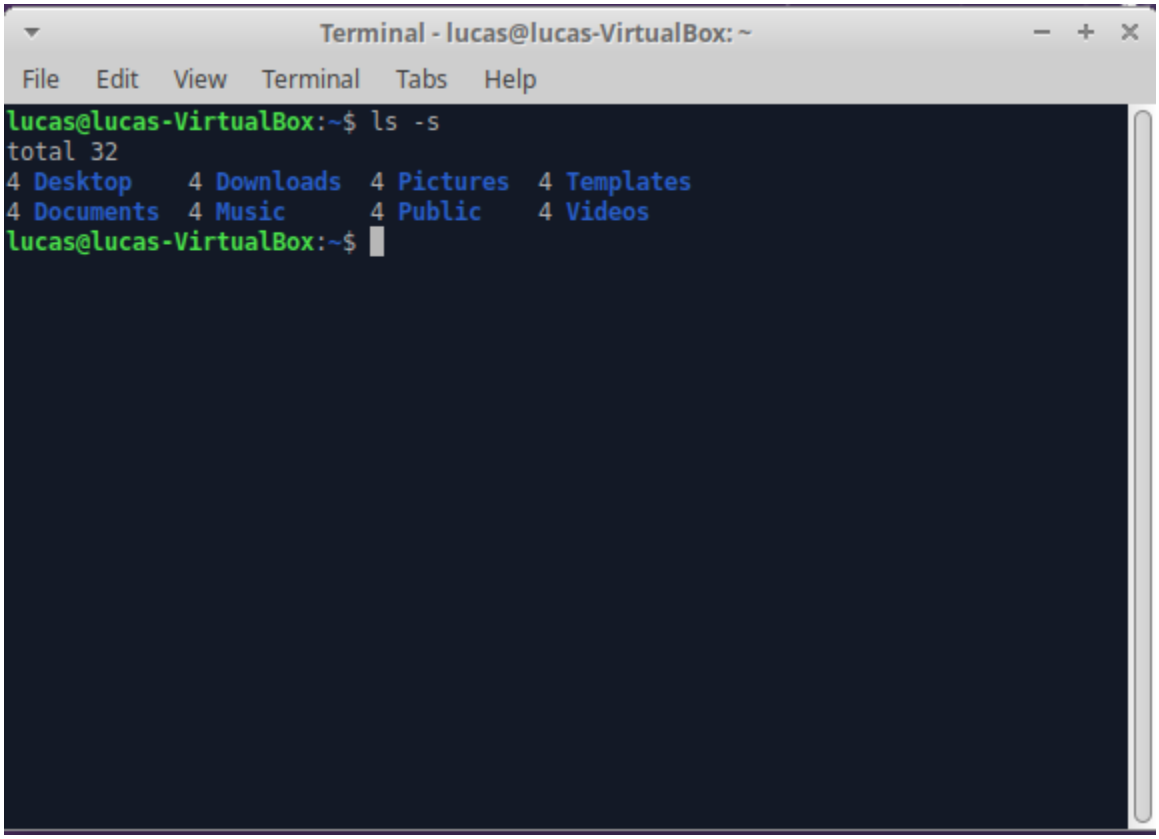
Comando: ls -ls .?*



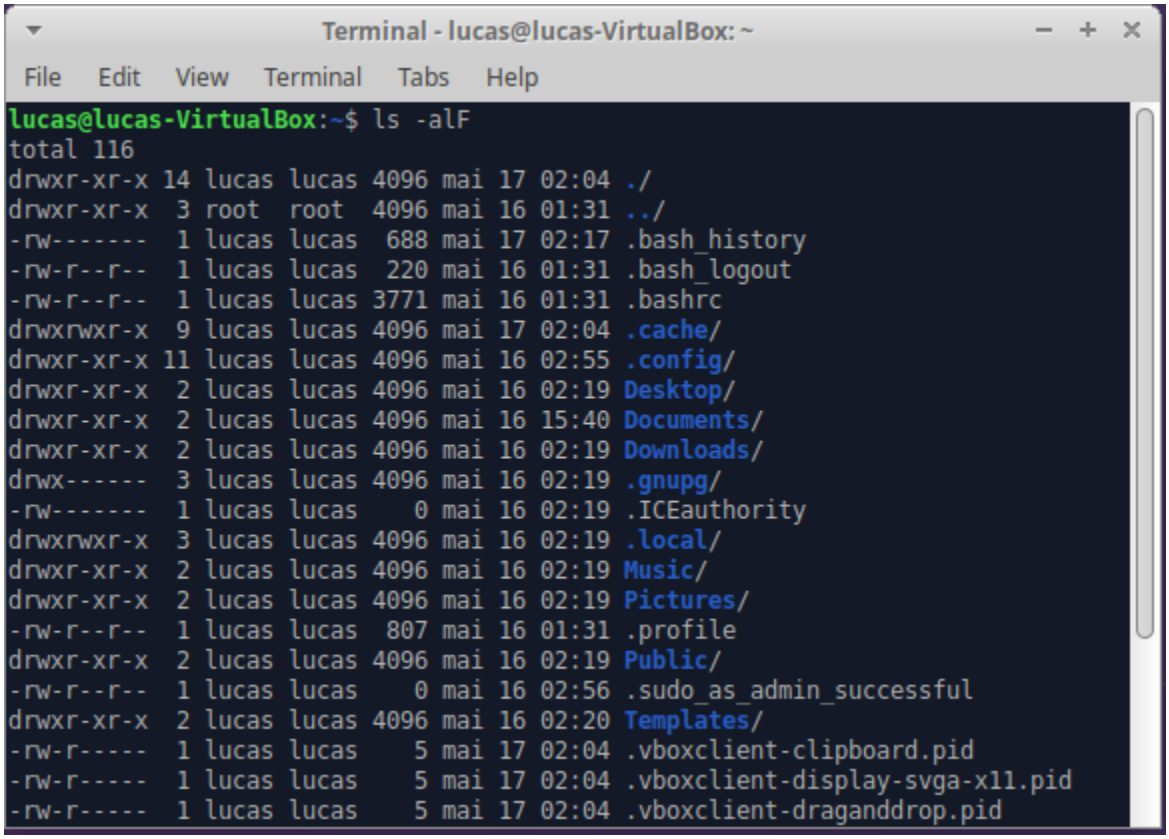
Comando: ls -F


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ ls -F
Desktop/ Downloads/ Pictures/ Templates/
Documents/ Music/ Public/ Videos/
lucas@lucas-VirtualBox:~$

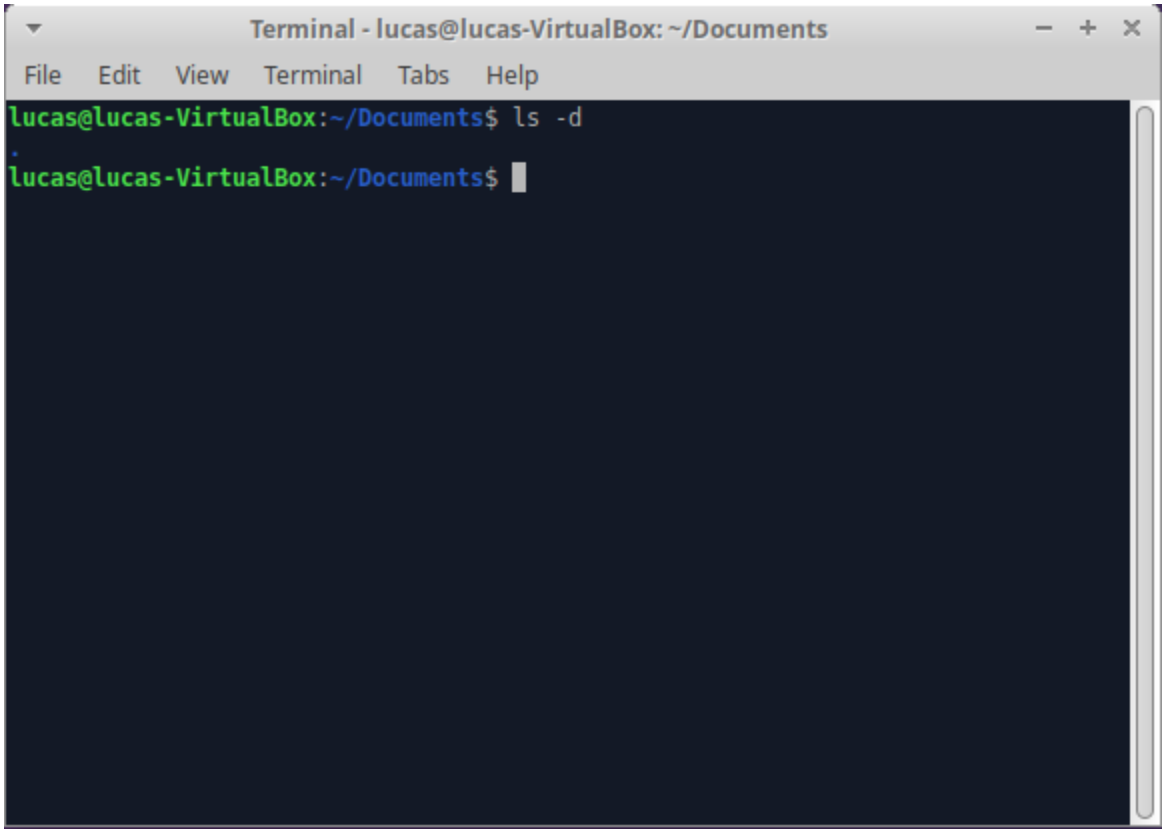
Comando: ls -s


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ ls -s
total 32
4 Desktop 4 Downloads 4 Pictures 4 Templates
4 Documents 4 Music 4 Public 4 Videos
lucas@lucas-VirtualBox:~$

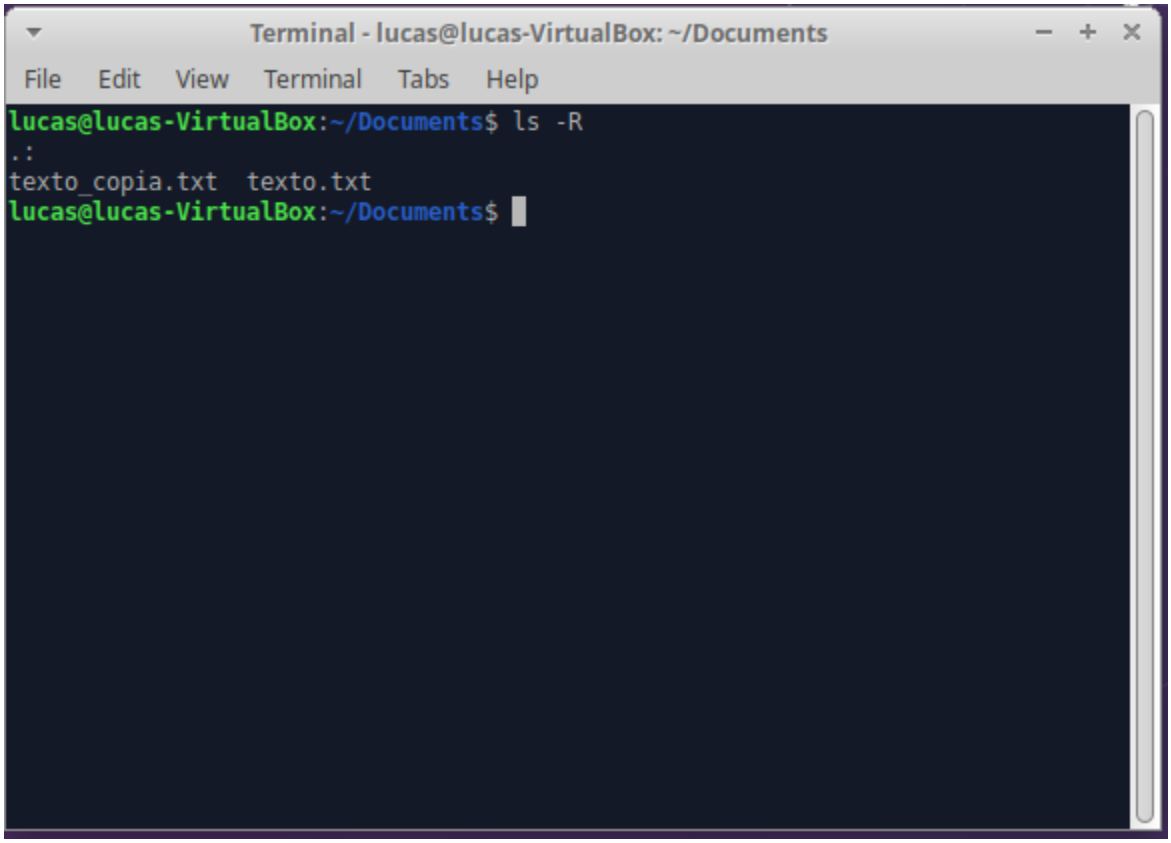
Comando: ls -alF



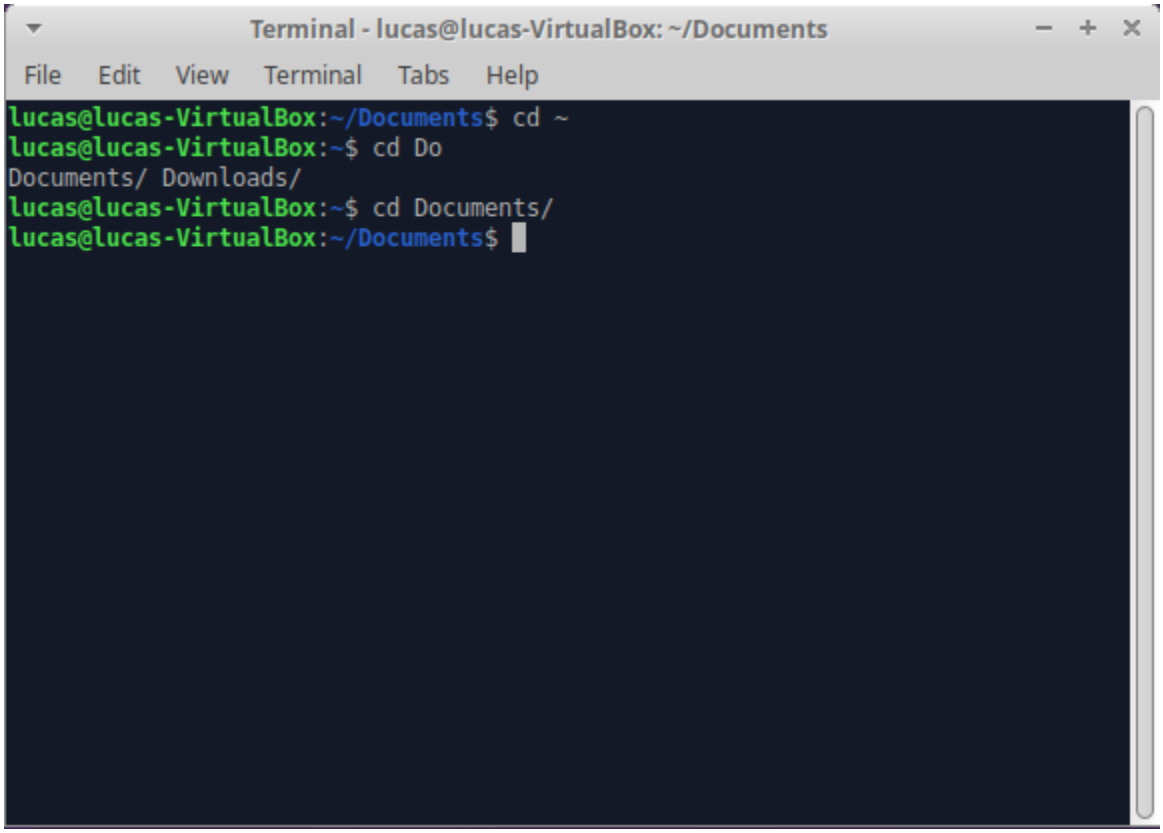
Comando: ls -d


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ ls -d
.
lucas@lucas-VirtualBox:~/Documents$

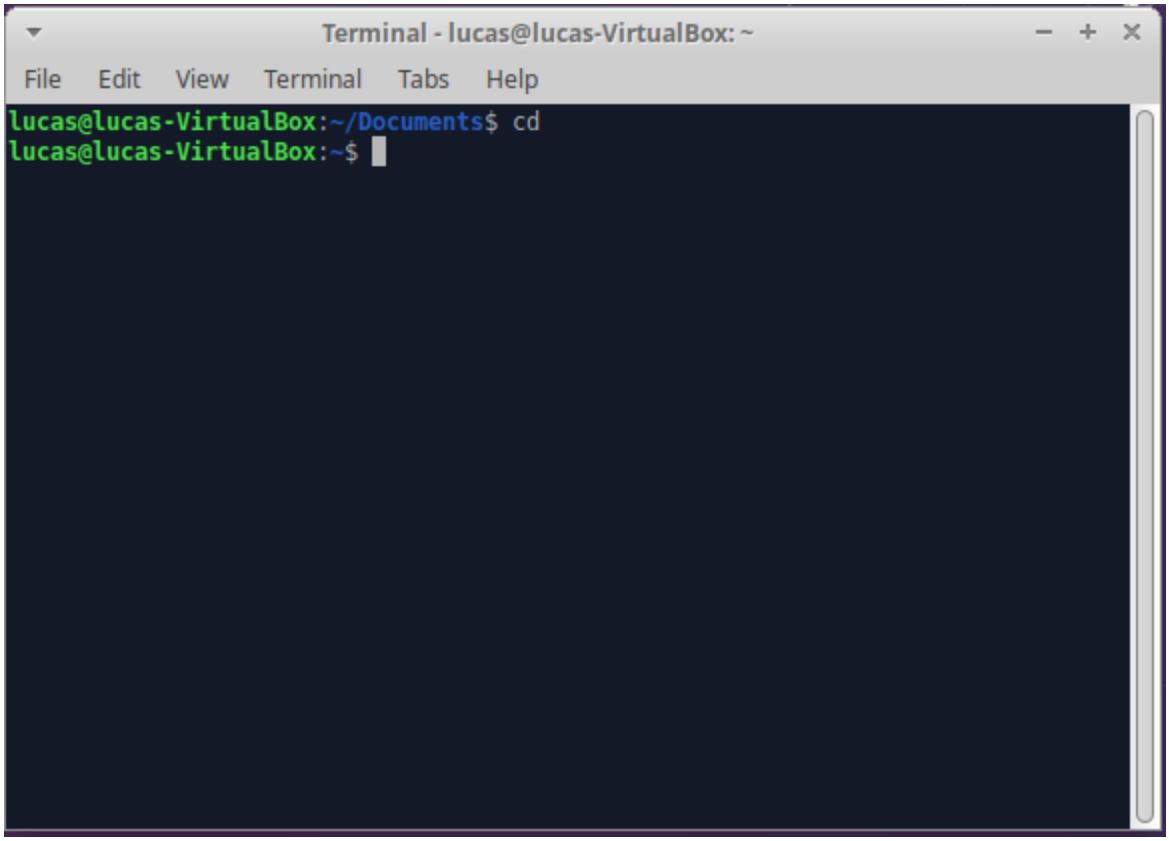
Comando: ls -R


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ ls -R
.:
texto_copia.txt texto.txt
lucas@lucas-VirtualBox:~/Documents$

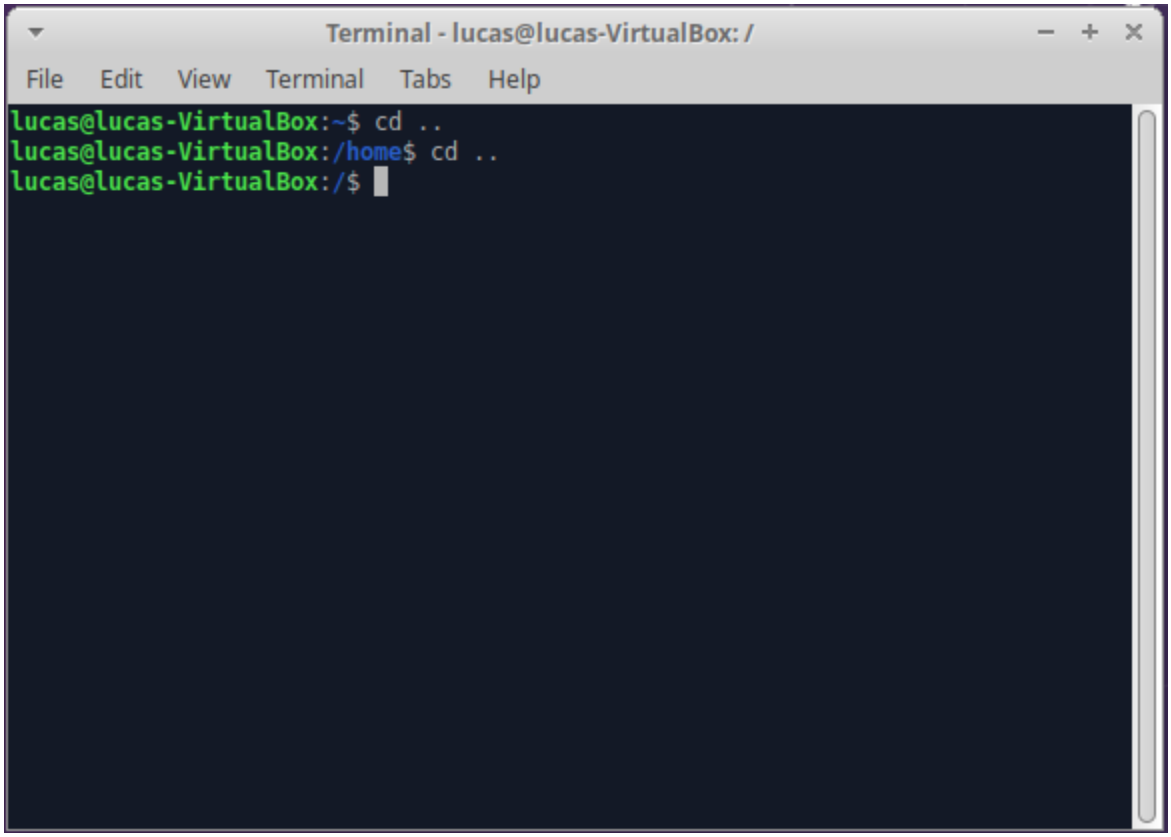
Comando: cd ~


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ cd ~
lucas@lucas-VirtualBox:~$ cd Do
Documents/ Downloads/
lucas@lucas-VirtualBox:~$ cd Documents/
lucas@lucas-VirtualBox:~/Documents$

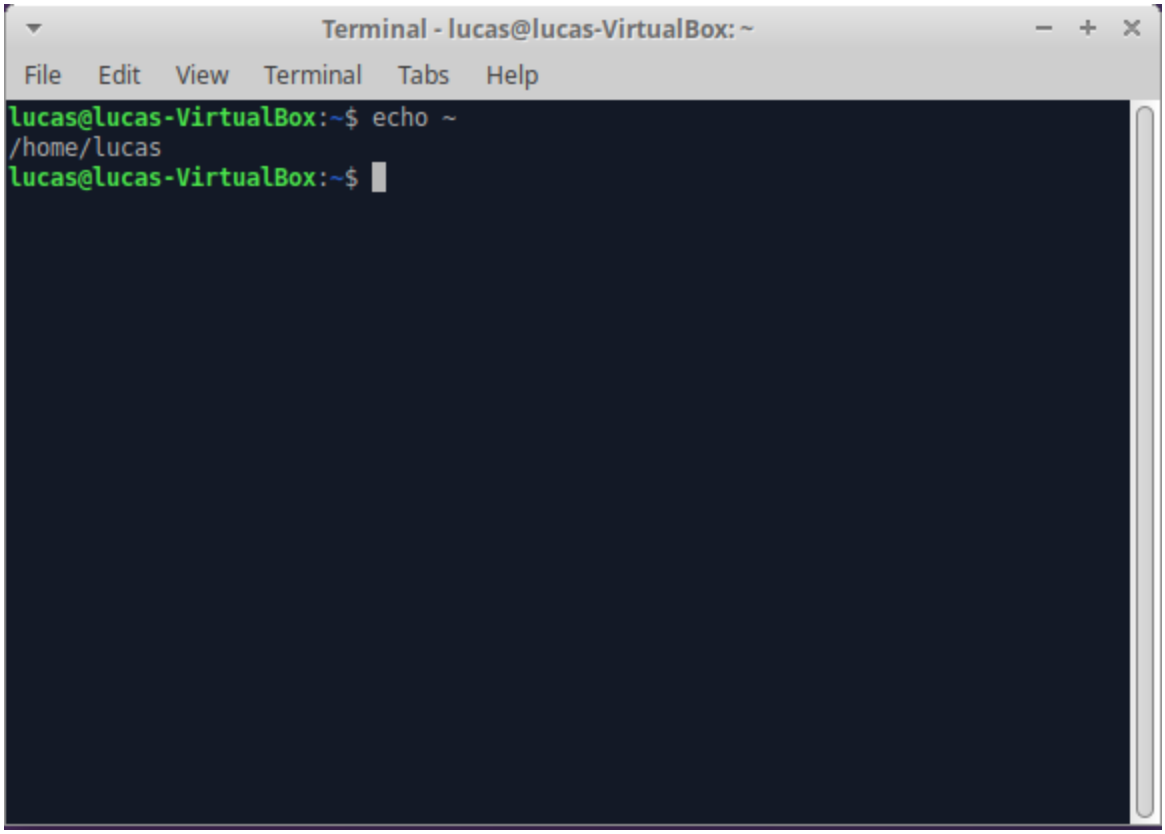
Comando: cd


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ cd
lucas@lucas-VirtualBox:~$

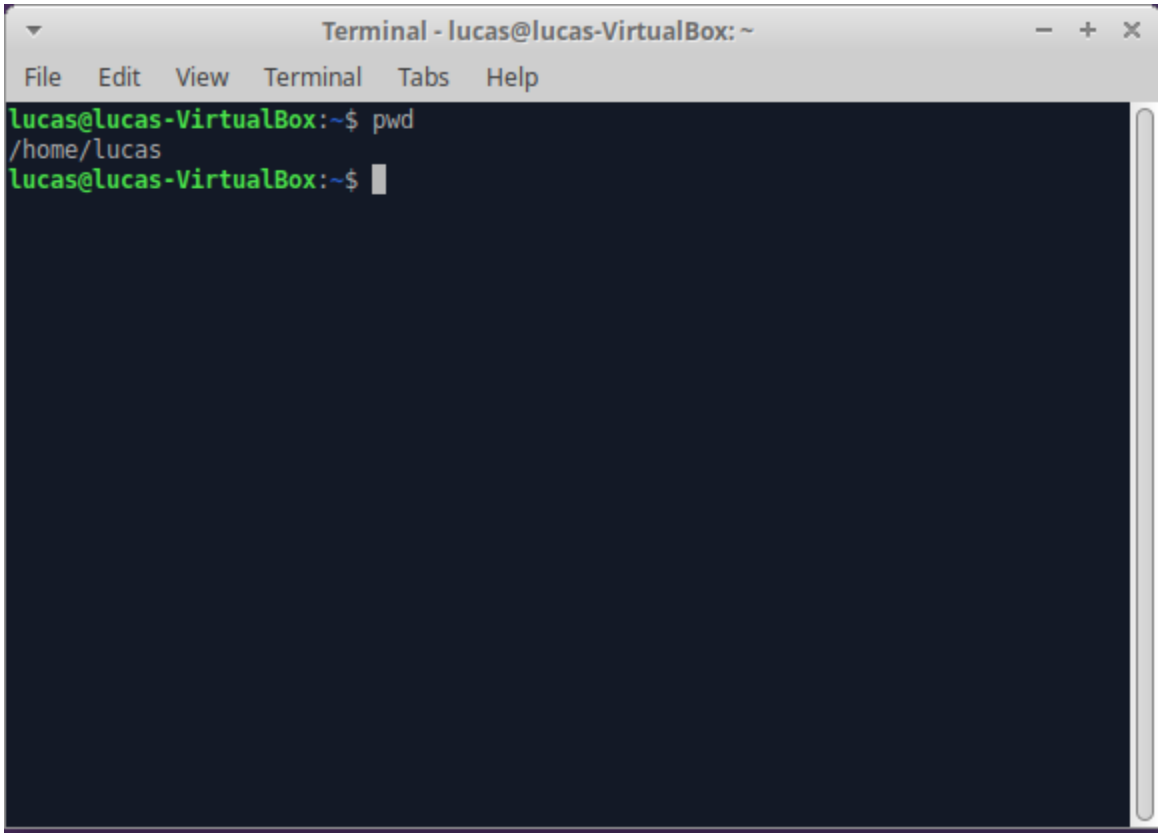
Comando: cd ..



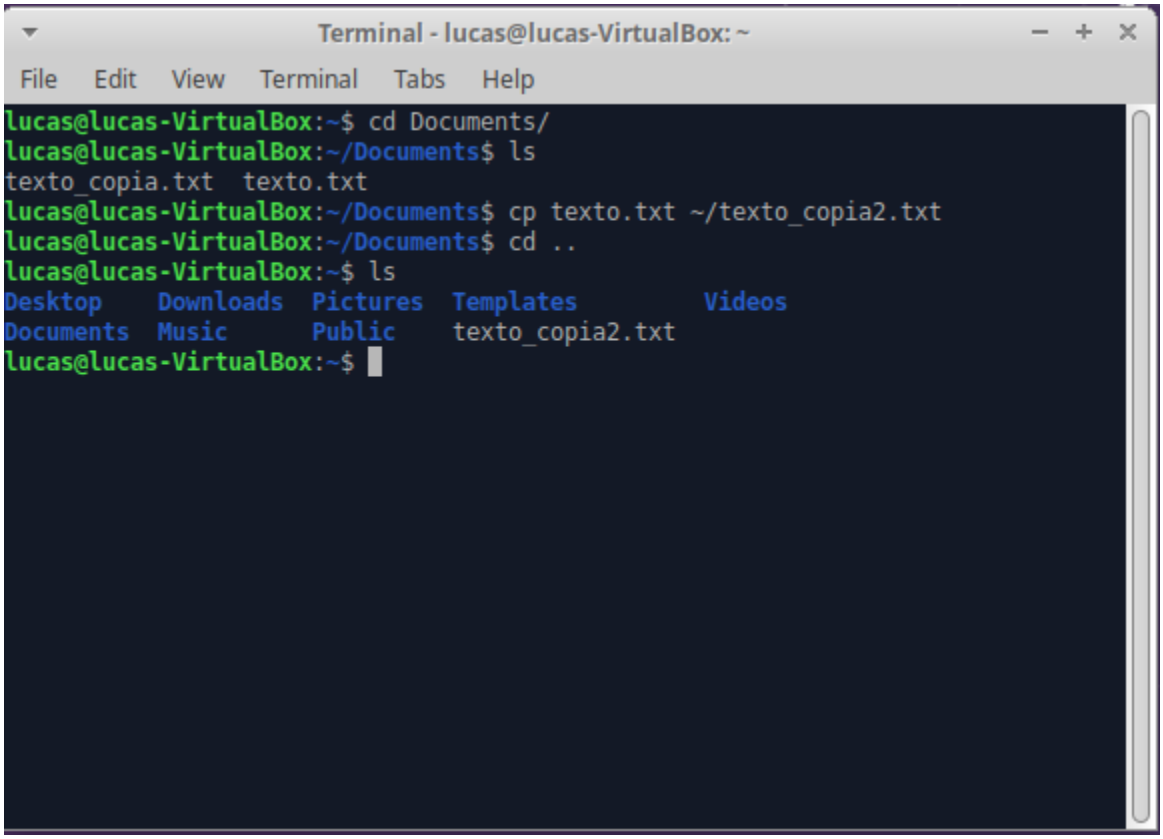
Comando: echo ~


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ echo ~
/home/lucas
lucas@lucas-VirtualBox:~$

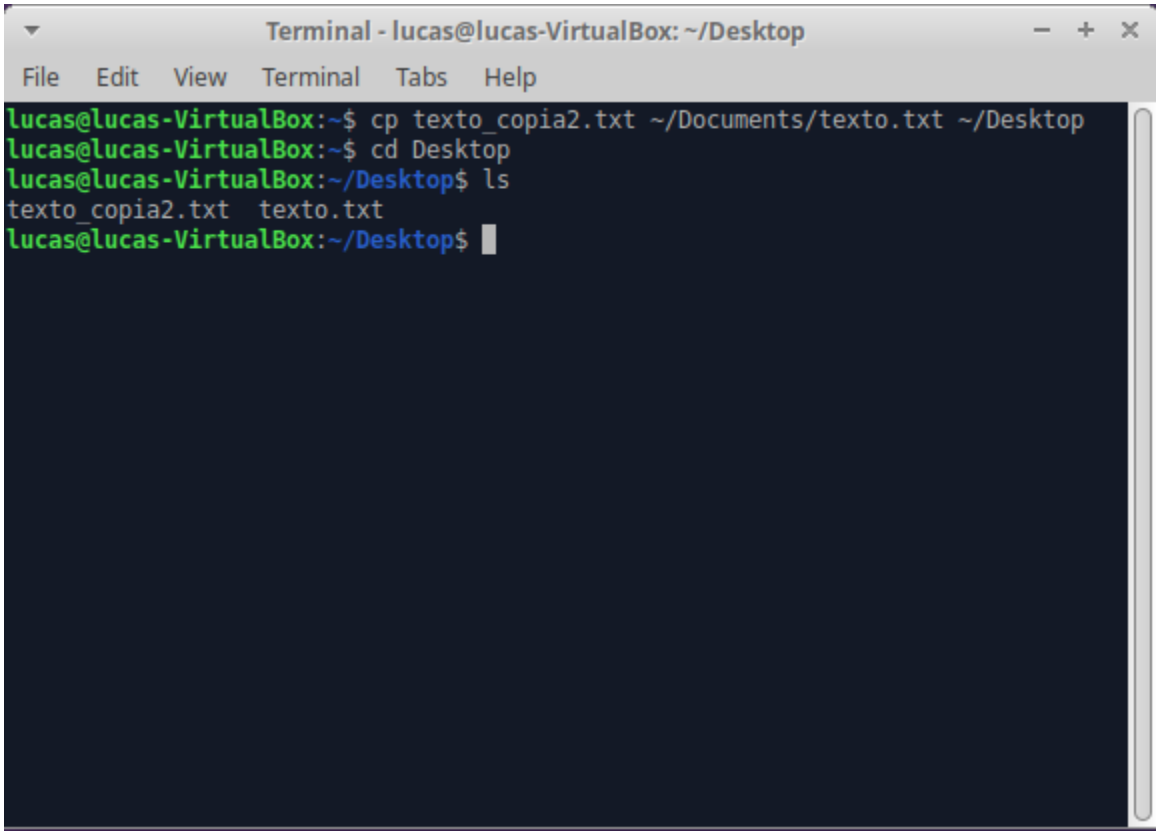
Comando: pwd


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ pwd
/home/lucas
lucas@lucas-VirtualBox:~$

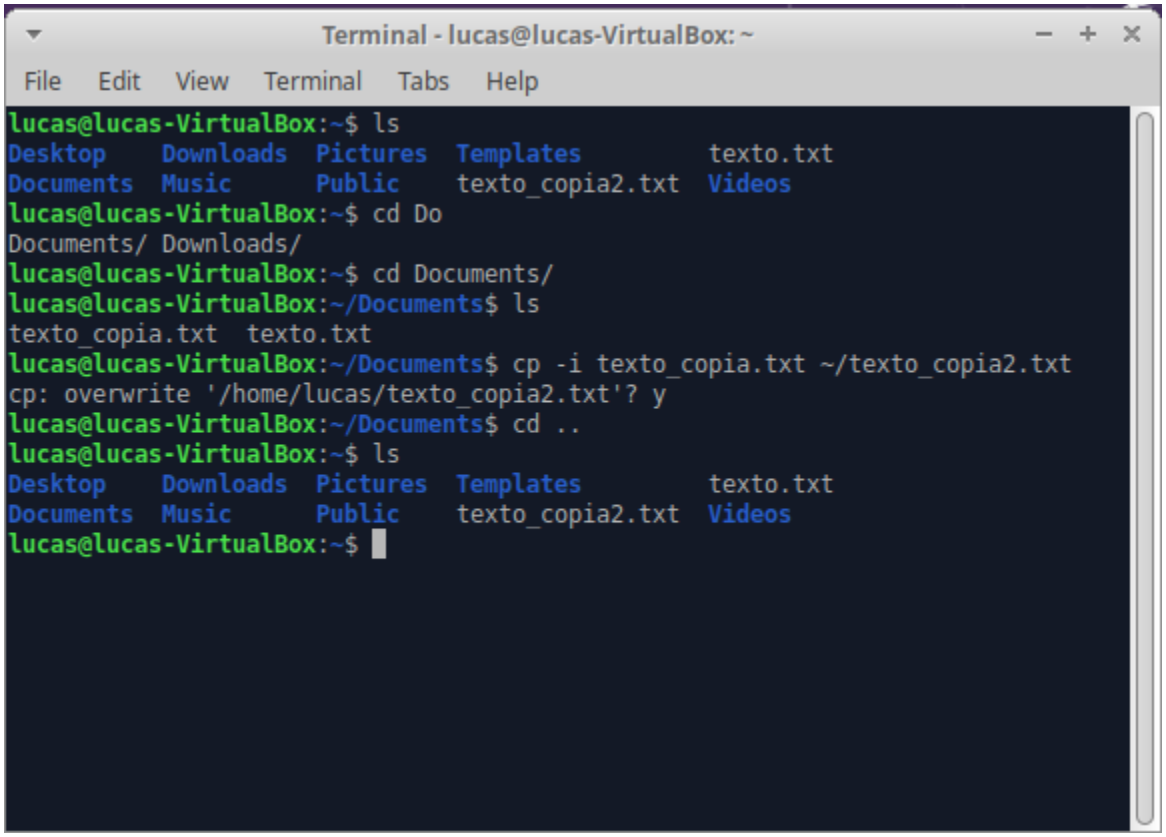
Comando: cp texto.txt ~/texto_copia2.txt



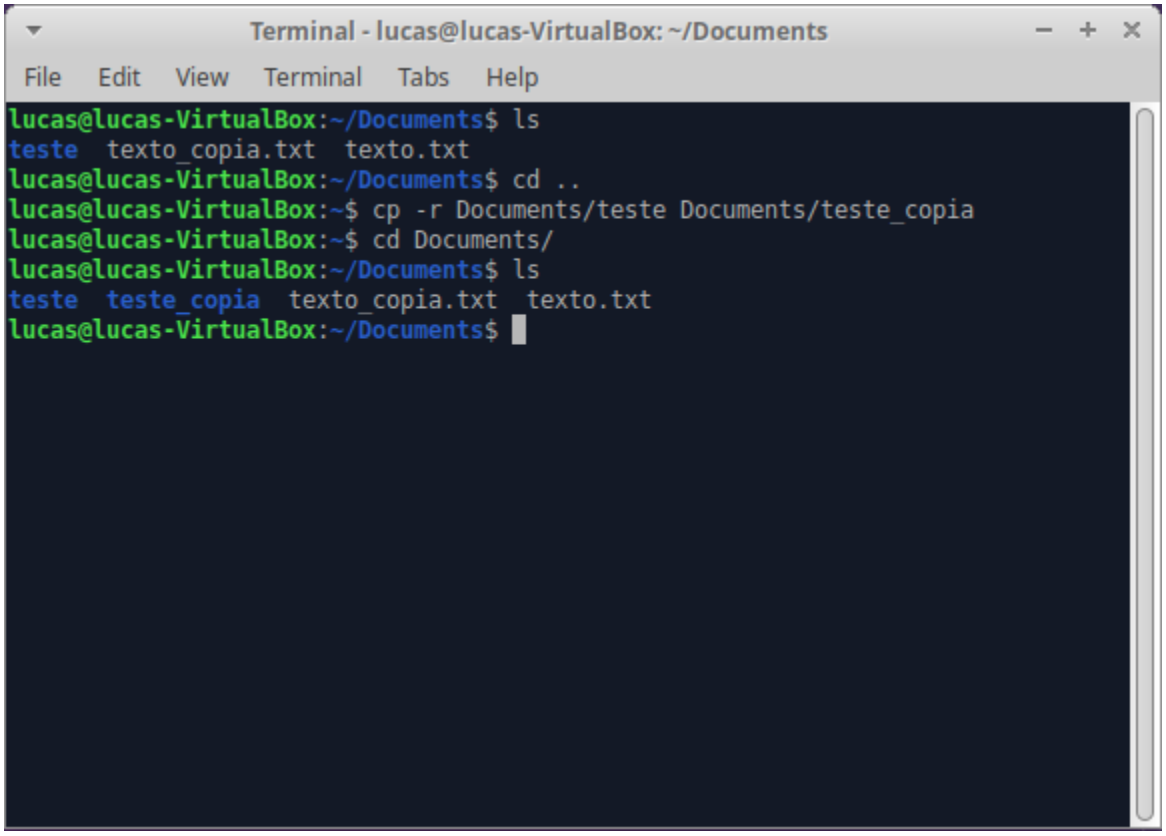
Comando: cp texto_copia2.txt ~/Documents/texto.txt ~/Desktop



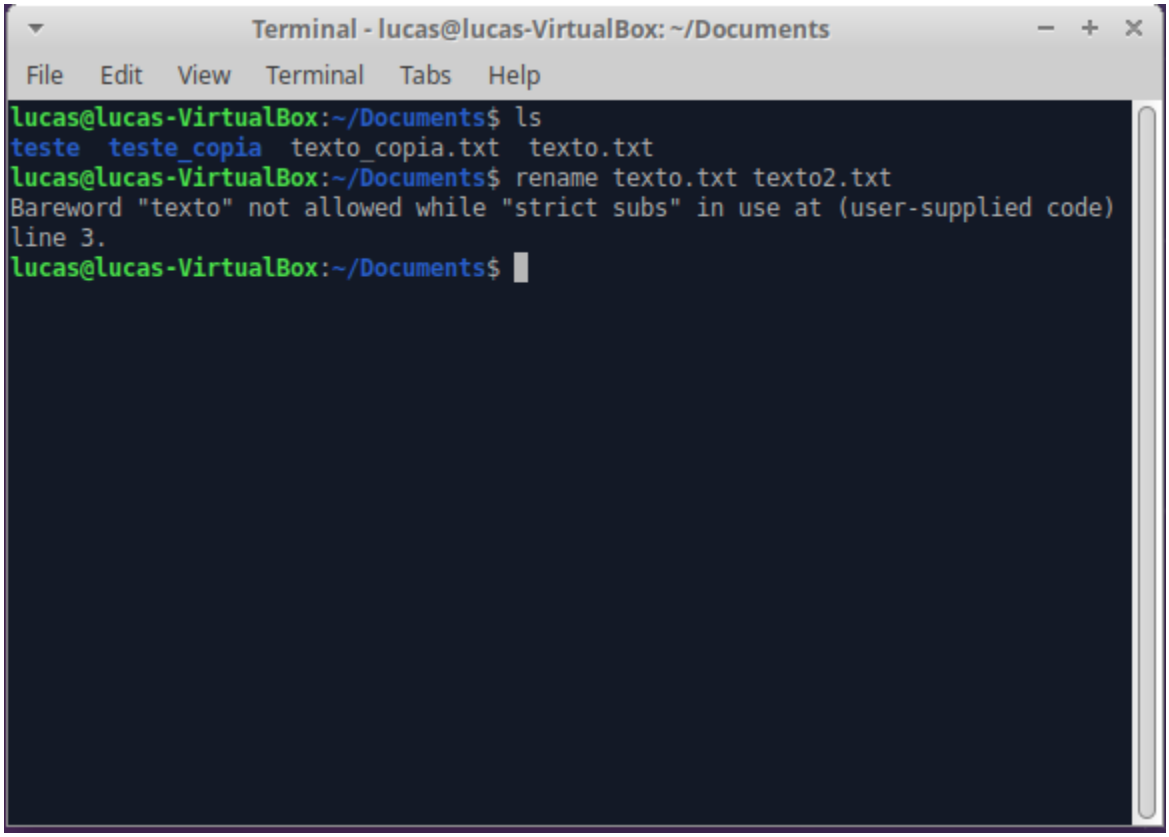
Comando: cp -i texto_copia.txt ~/texto_copia2.txt



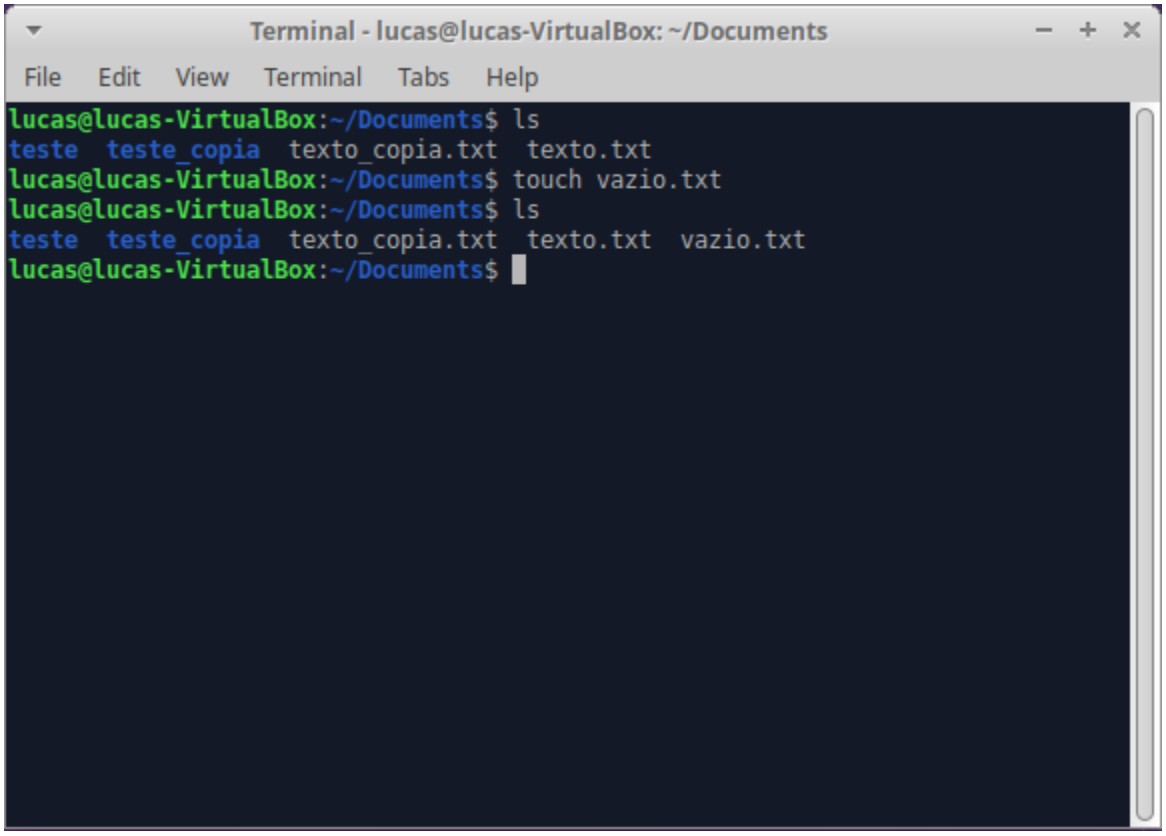
Comando: cp -r teste teste_copia



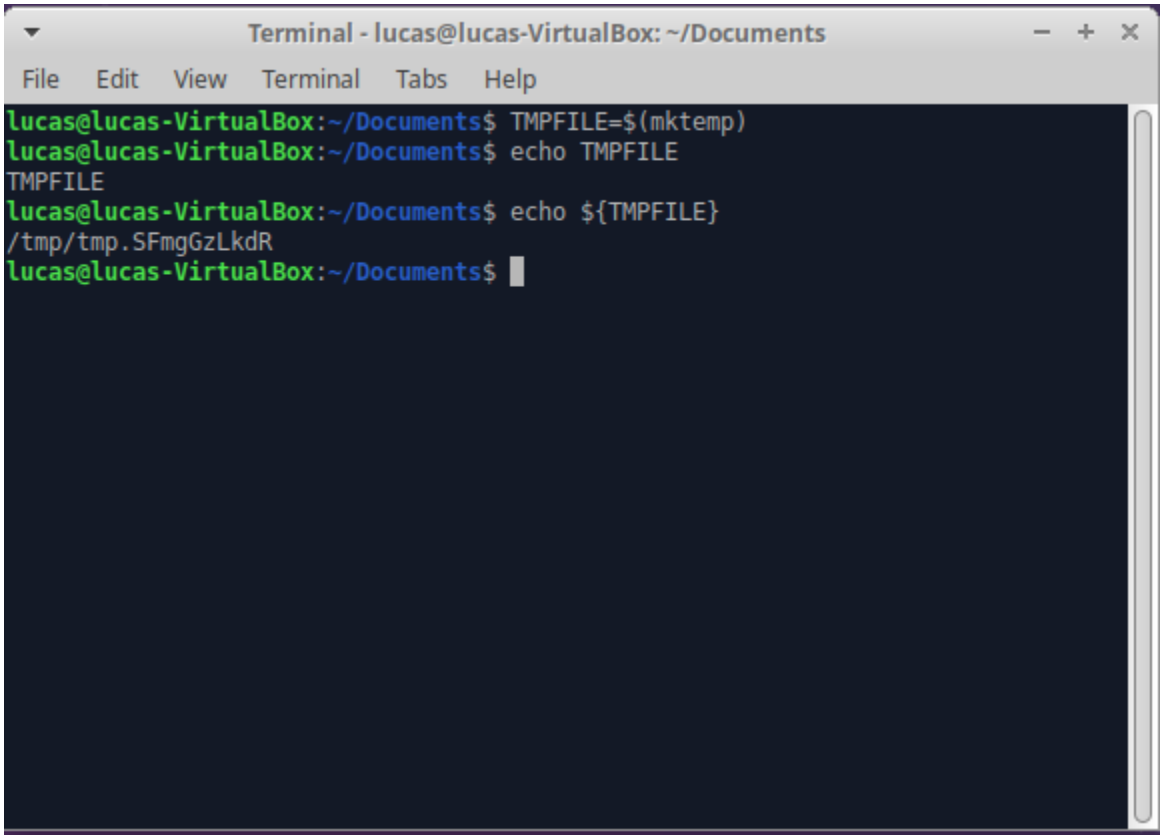
Comando: rename texto.txt texto2.txt



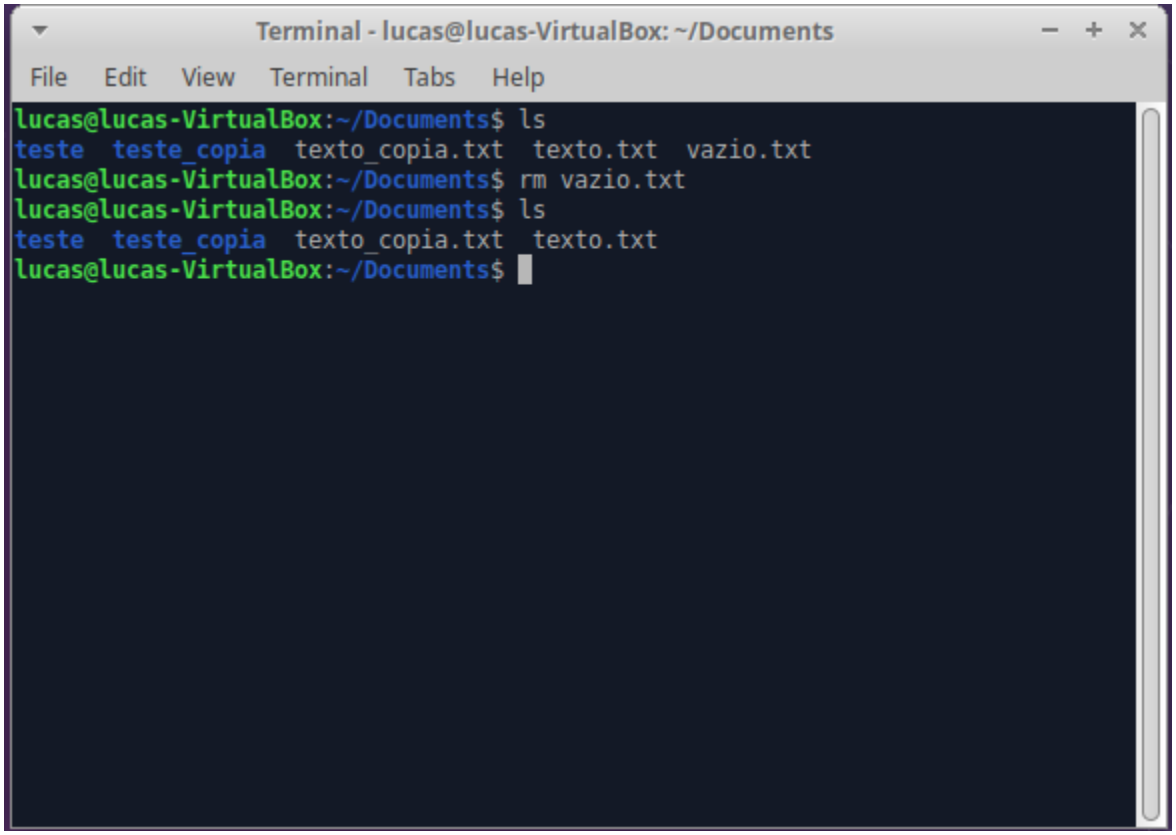
Comando: touch vazio.txt



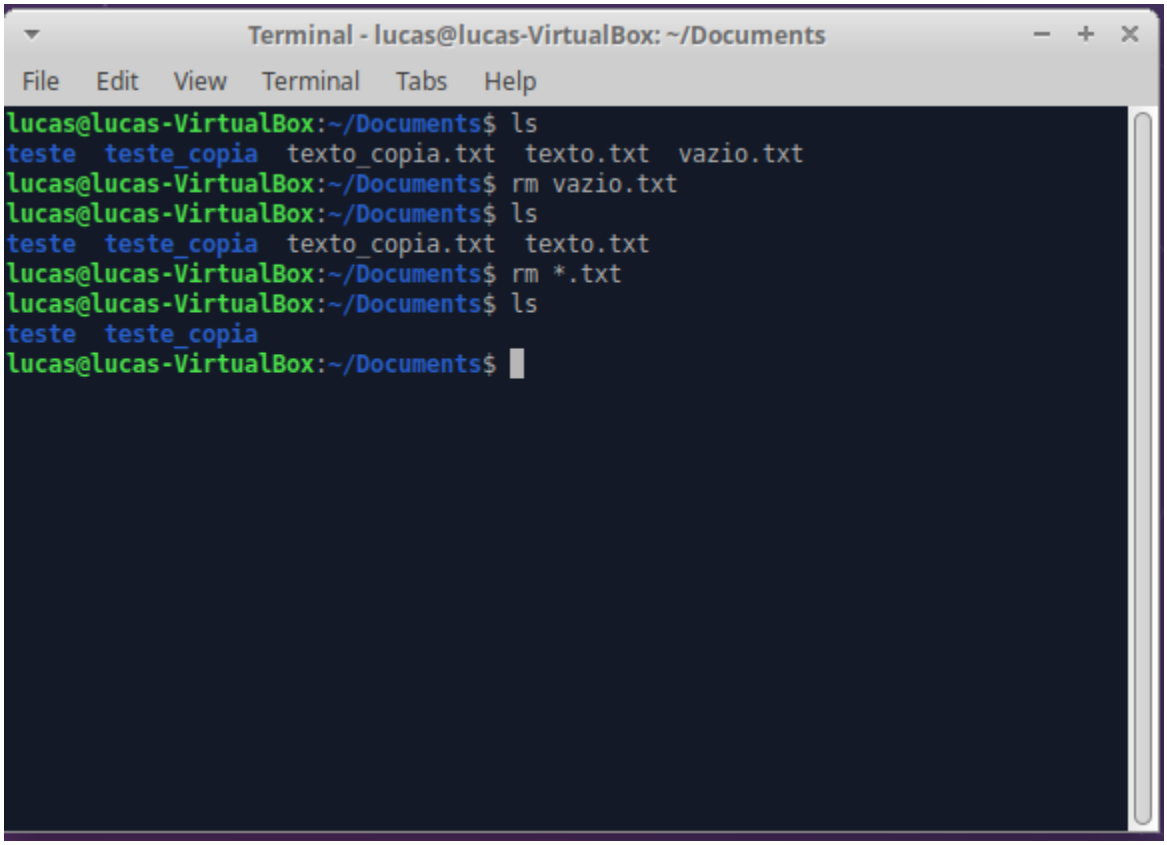
Comando: mktemp



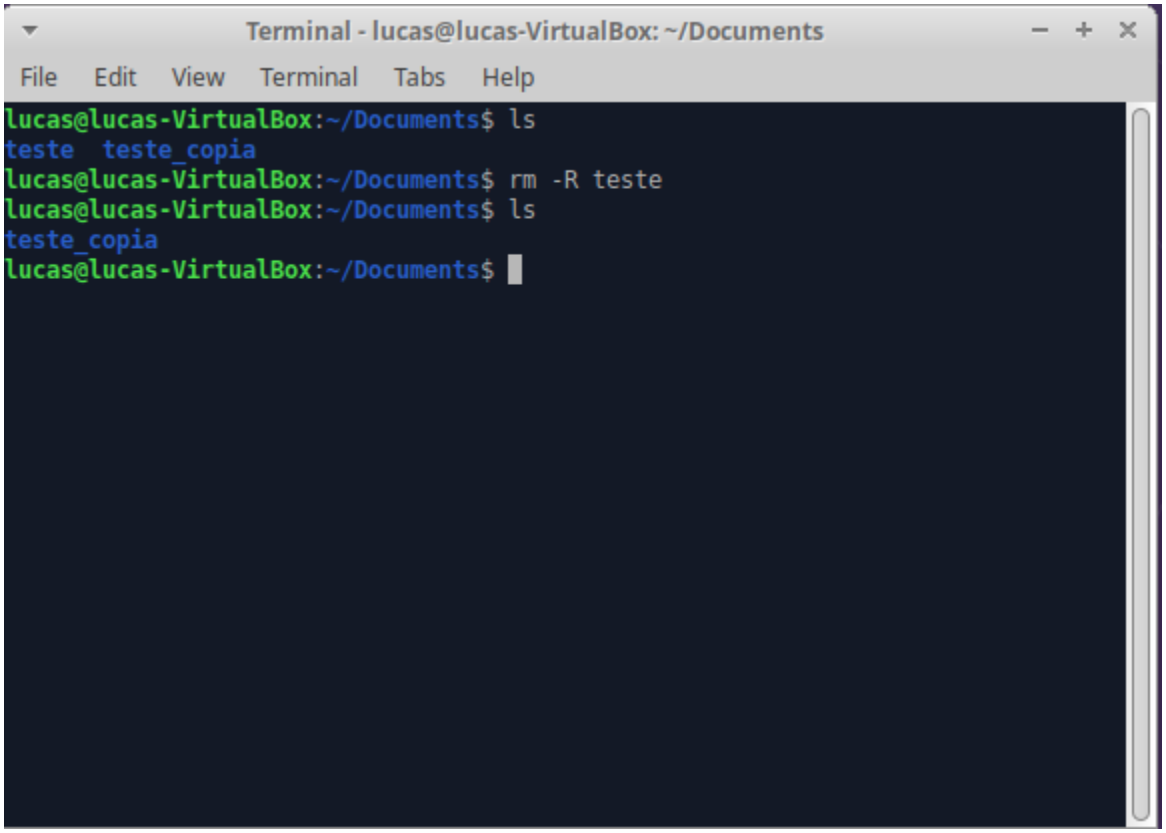
Comando: rm


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ ls
teste teste_copia texto_copia.txt texto.txt vazio.txt
lucas@lucas-VirtualBox:~/Documents$ rm vazio.txt
lucas@lucas-VirtualBox:~/Documents$ ls
teste teste_copia texto_copia.txt texto.txt
lucas@lucas-VirtualBox:~/Documents$

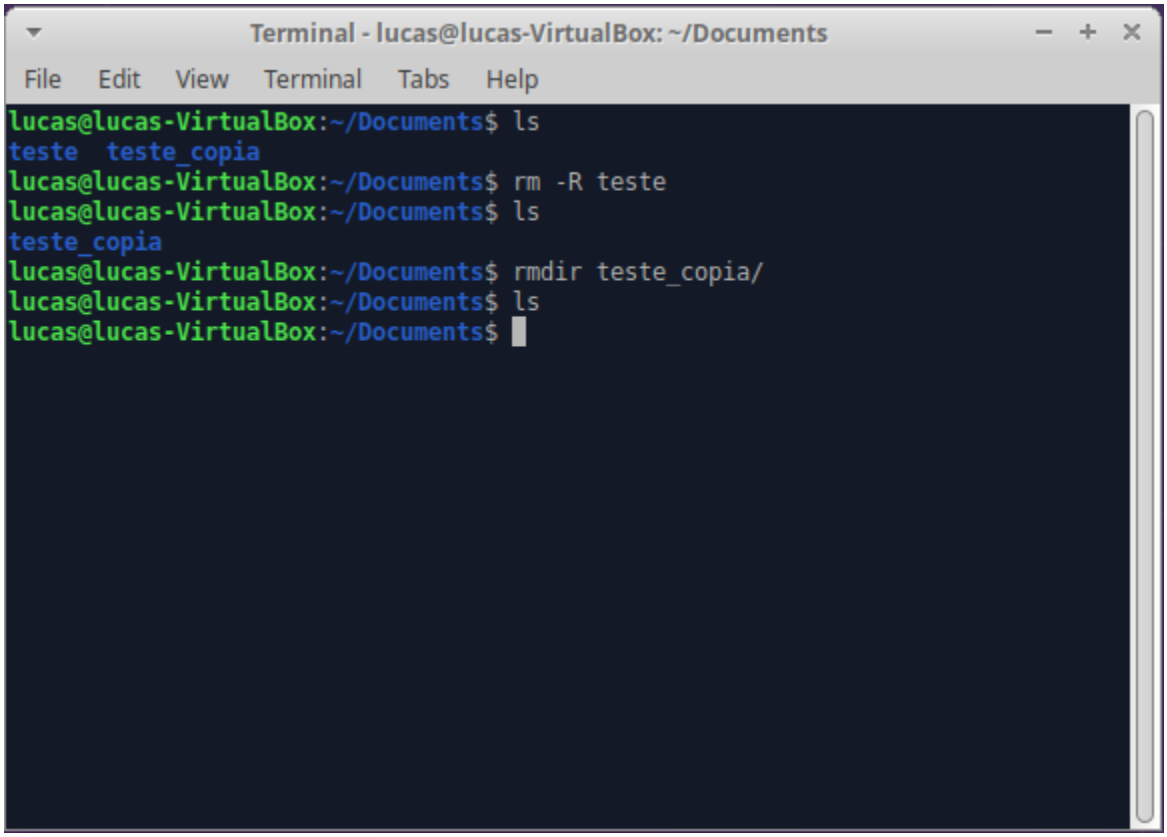
Comando: rm *.txt



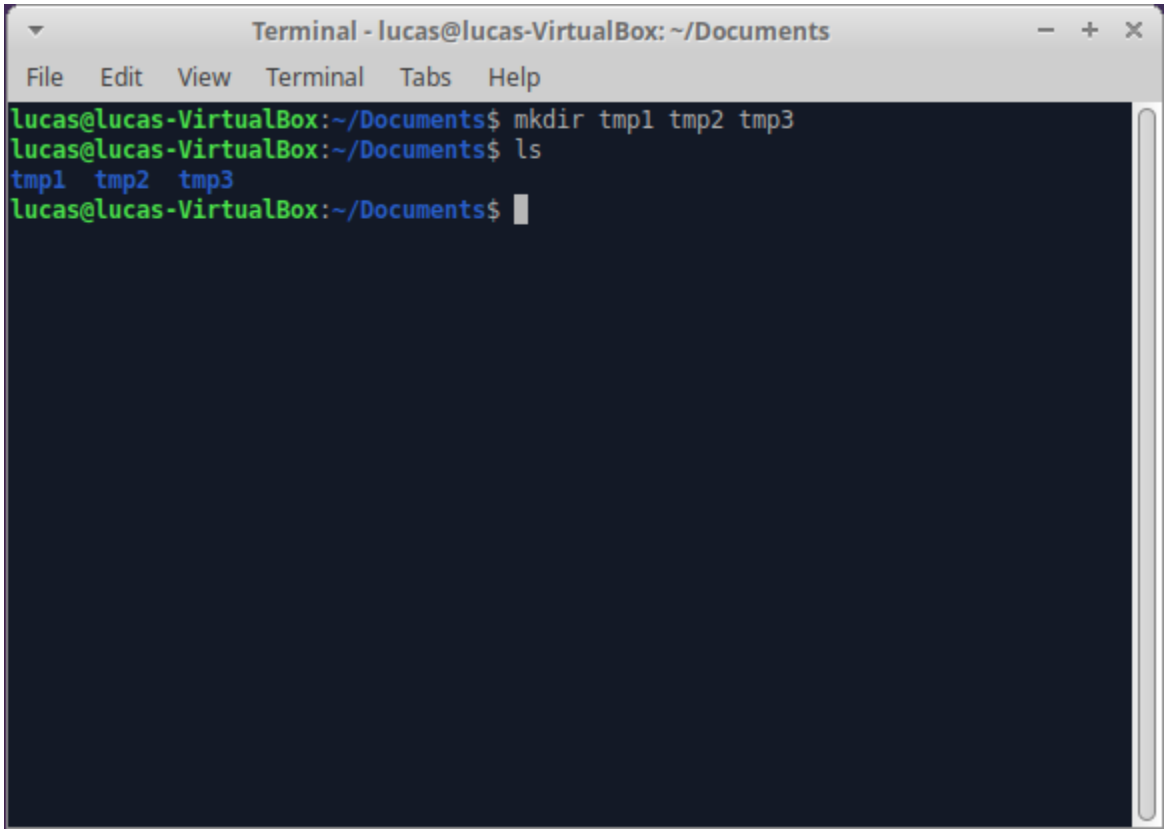
Comando: rm -R


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ ls
teste teste_copia
lucas@lucas-VirtualBox:~/Documents$ rm -R teste
lucas@lucas-VirtualBox:~/Documents$ ls
teste_copia
lucas@lucas-VirtualBox:~/Documents$

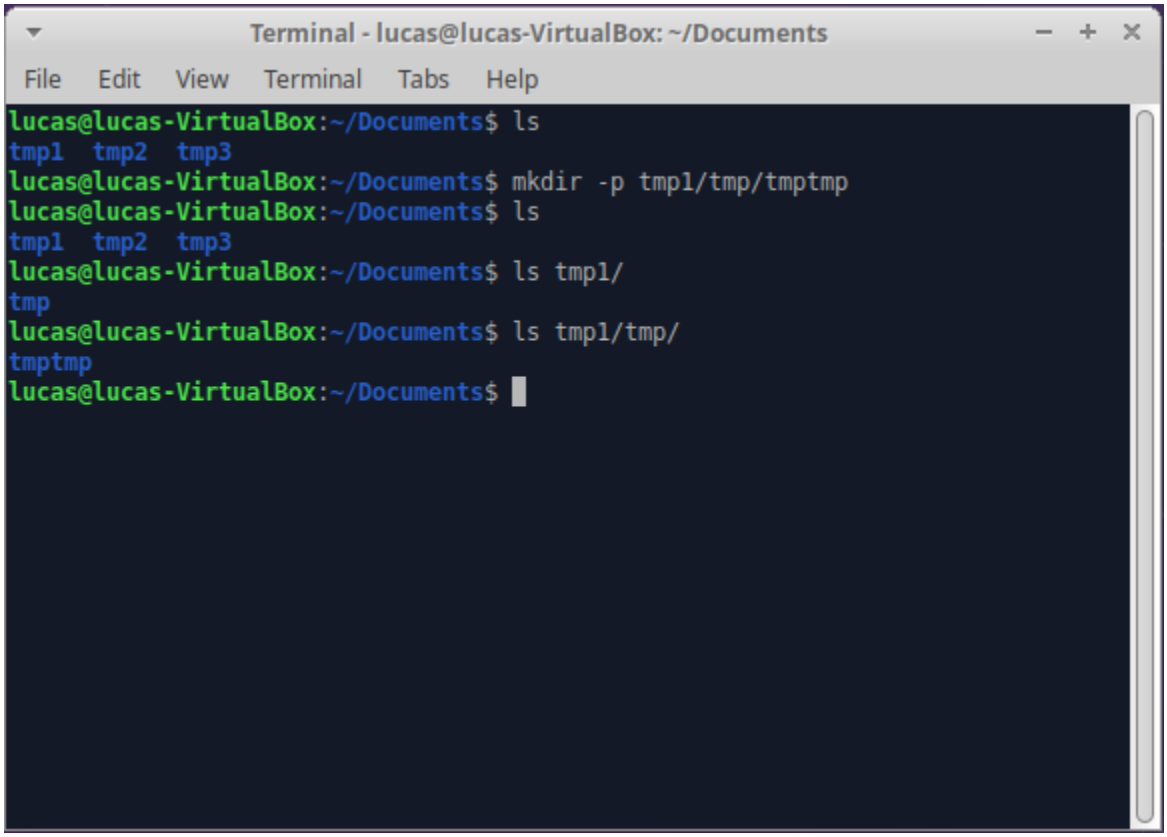
Comando: rmdir



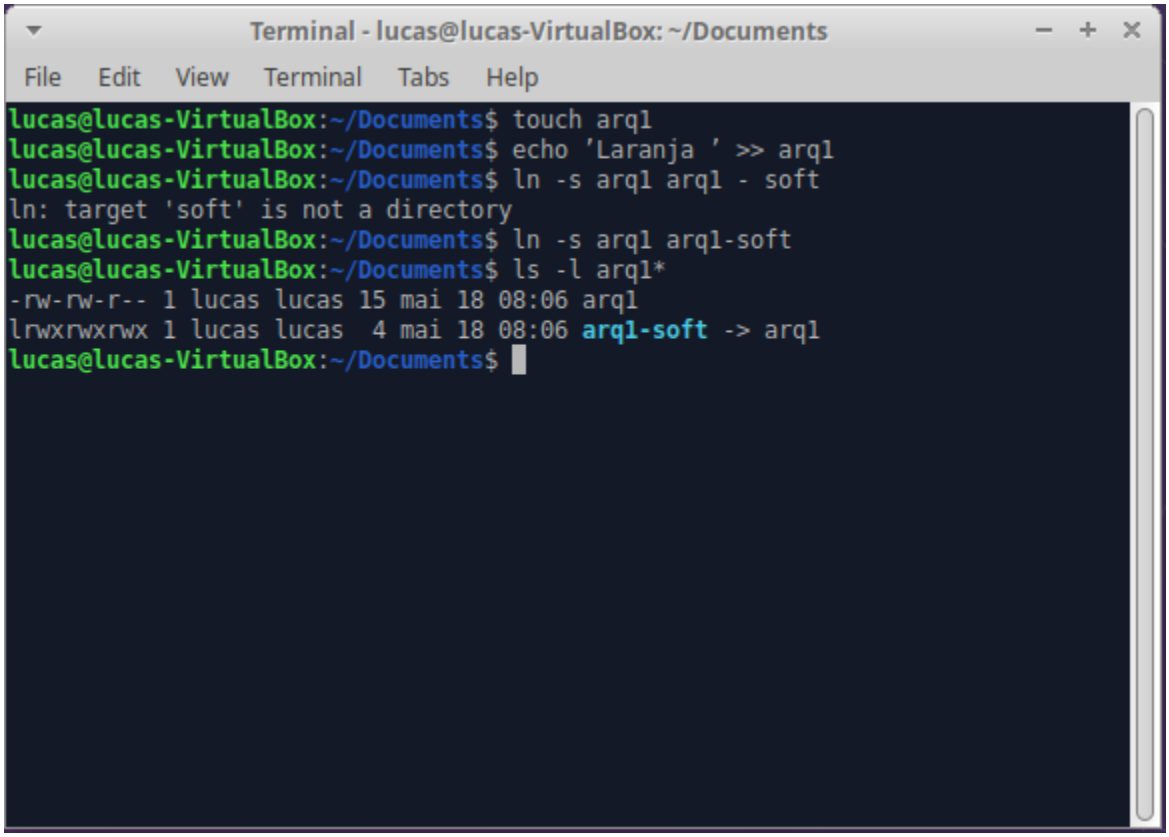
Comando: mkdir



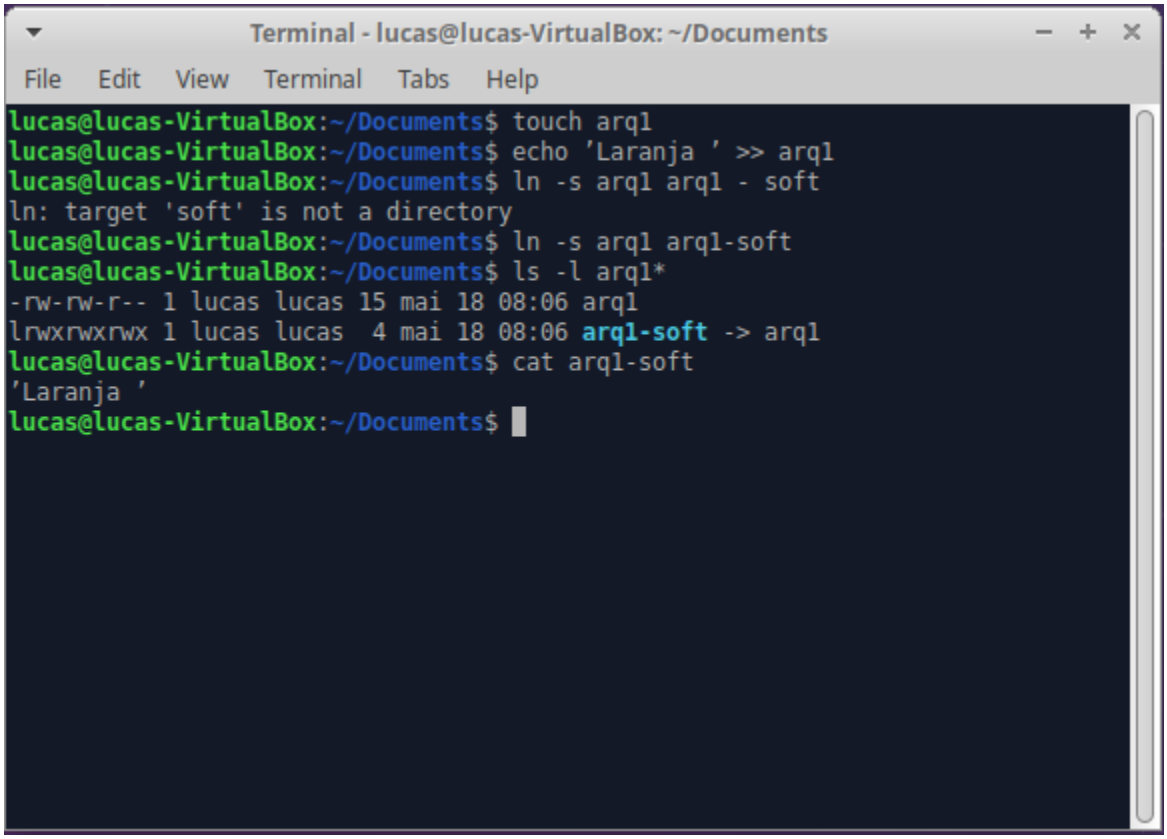
Comando: mkdir -p



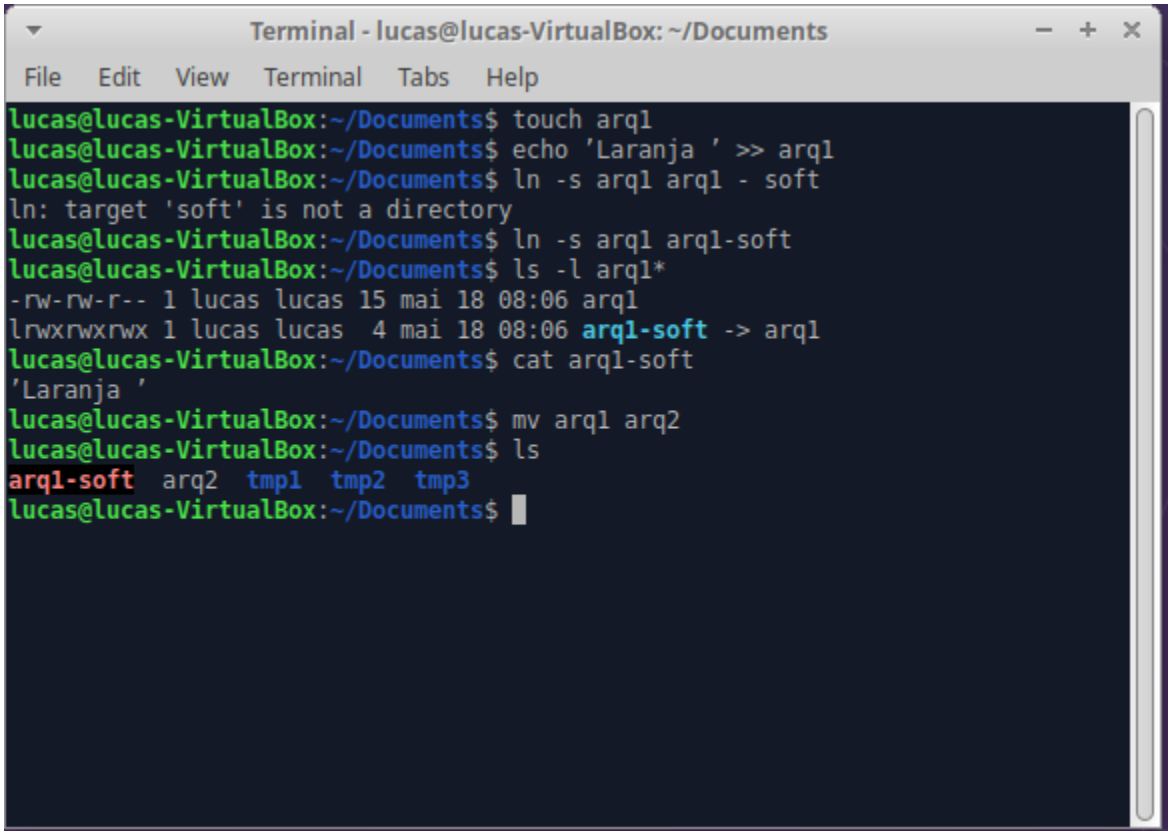
Comando: ln -s


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ touch arq1
lucas@lucas-VirtualBox:~/Documents$ echo 'Laranja ' >> arq1
lucas@lucas-VirtualBox:~/Documents$ ln -s arq1 arq1 - soft
ln: target 'soft' is not a directory
lucas@lucas-VirtualBox:~/Documents$ ln -s arq1 arq1-soft
lucas@lucas-VirtualBox:~/Documents$ ls -l arq1*
-rw-rw-r-- 1 lucas lucas 15 mai 18 08:06 arq1
lrwxrwxrwx 1 lucas lucas 4 mai 18 08:06 arq1-soft -> arq1
lucas@lucas-VirtualBox:~/Documents$

Comando: cat

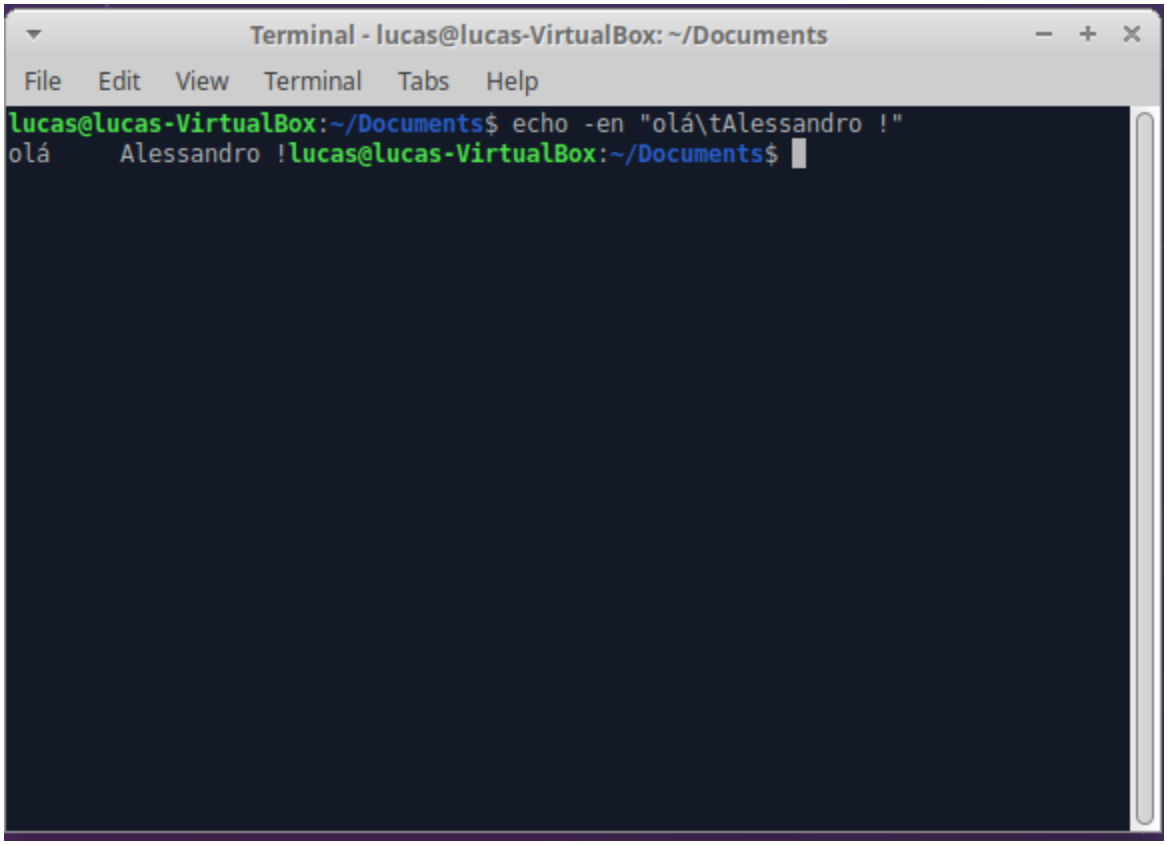

Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ touch arq1
lucas@lucas-VirtualBox:~/Documents$ echo 'Laranja ' >> arq1
lucas@lucas-VirtualBox:~/Documents$ ln -s arq1 arq1 - soft
ln: target 'soft' is not a directory
lucas@lucas-VirtualBox:~/Documents$ ln -s arq1 arq1-soft
lucas@lucas-VirtualBox:~/Documents$ ls -l arq1*
-rw-rw-r-- 1 lucas lucas 15 mai 18 08:06 arq1
lrwxrwxrwx 1 lucas lucas 4 mai 18 08:06 arq1-soft -> arq1
lucas@lucas-VirtualBox:~/Documents$ cat arq1-soft
'Laranja '
lucas@lucas-VirtualBox:~/Documents$

Comando: mv

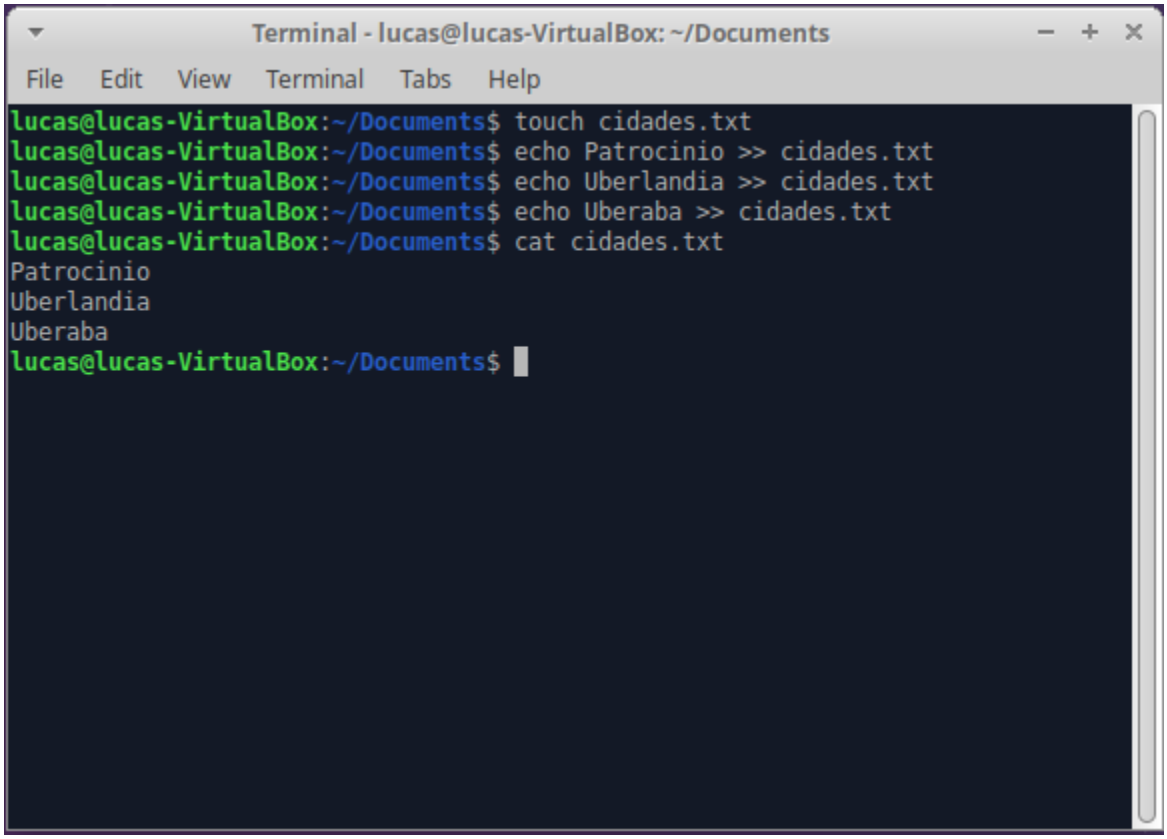

Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ touch arq1
lucas@lucas-VirtualBox:~/Documents$ echo 'Laranja ' >> arq1
lucas@lucas-VirtualBox:~/Documents$ ln -s arq1 arq1 - soft
ln: target 'soft' is not a directory
lucas@lucas-VirtualBox:~/Documents$ ln -s arq1 arq1-soft
lucas@lucas-VirtualBox:~/Documents$ ls -l arq1*
-rw-rw-r-- 1 lucas lucas 15 mai 18 08:06 arq1
lrwxrwxrwx 1 lucas lucas 4 mai 18 08:06 arq1-soft -> arq1
lucas@lucas-VirtualBox:~/Documents$ cat arq1-soft
'Laranja '
lucas@lucas-VirtualBox:~/Documents$ mv arq1 arq2
lucas@lucas-VirtualBox:~/Documents$ ls
arq1-soft arq2 tmp1 tmp2 tmp3
lucas@lucas-VirtualBox:~/Documents$

Capítulo 4

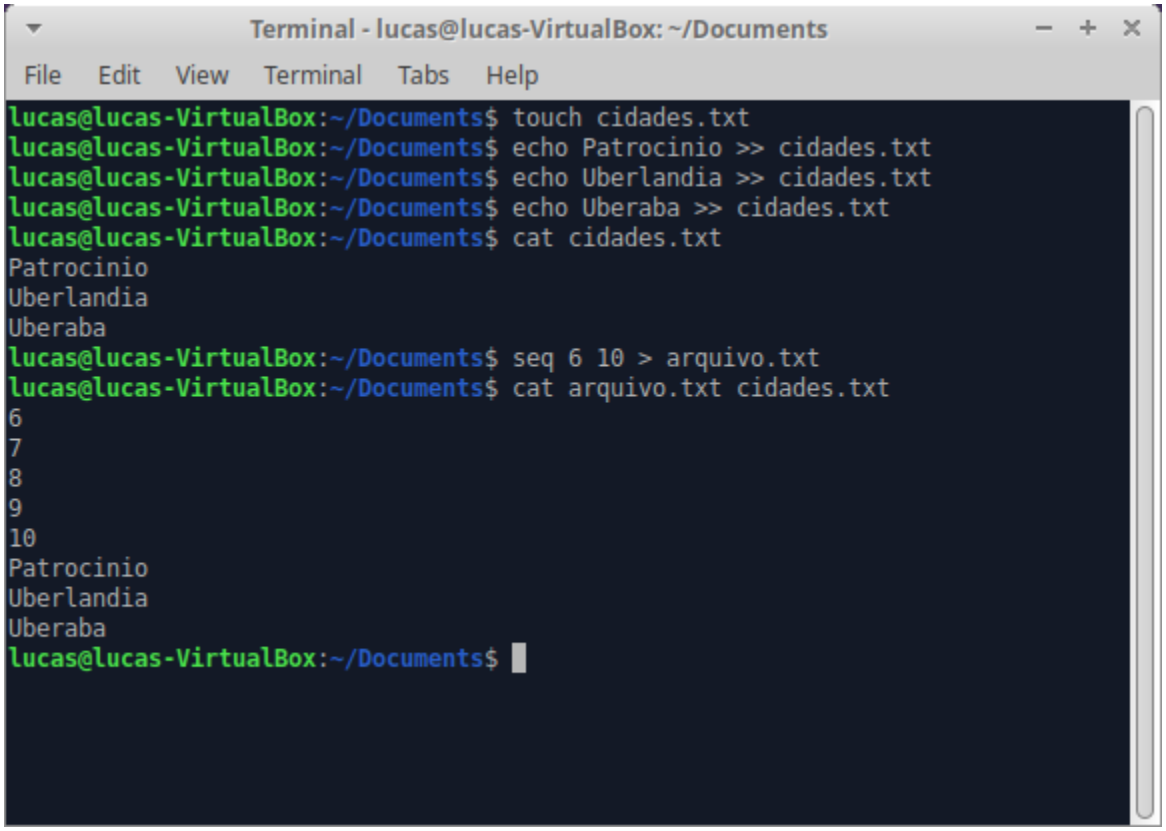
Comando: echo -en



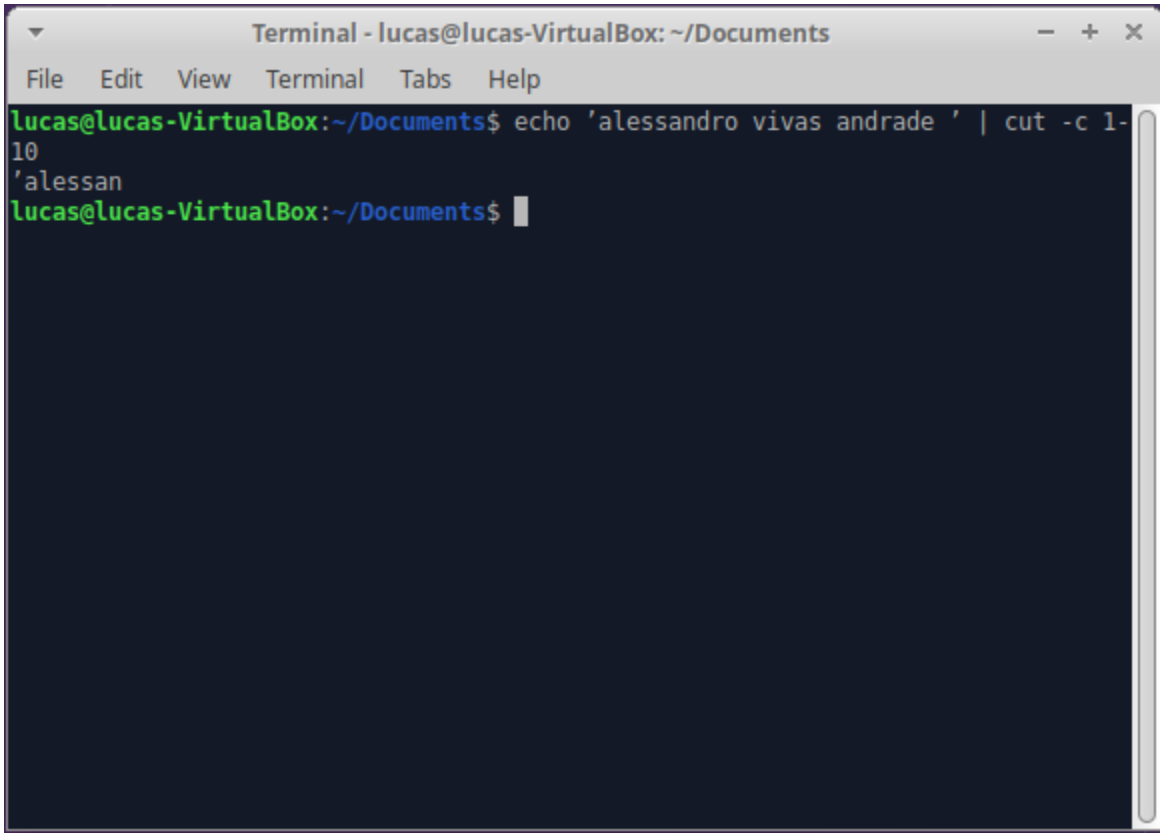
Comando: cat


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ touch cidades.txt
lucas@lucas-VirtualBox:~/Documents$ echo Patrocinio >> cidades.txt
lucas@lucas-VirtualBox:~/Documents$ echo Uberlandia >> cidades.txt
lucas@lucas-VirtualBox:~/Documents$ echo Uberaba >> cidades.txt
lucas@lucas-VirtualBox:~/Documents$ cat cidades.txt
Patrocinio
Uberlandia
Uberaba
lucas@lucas-VirtualBox:~/Documents$

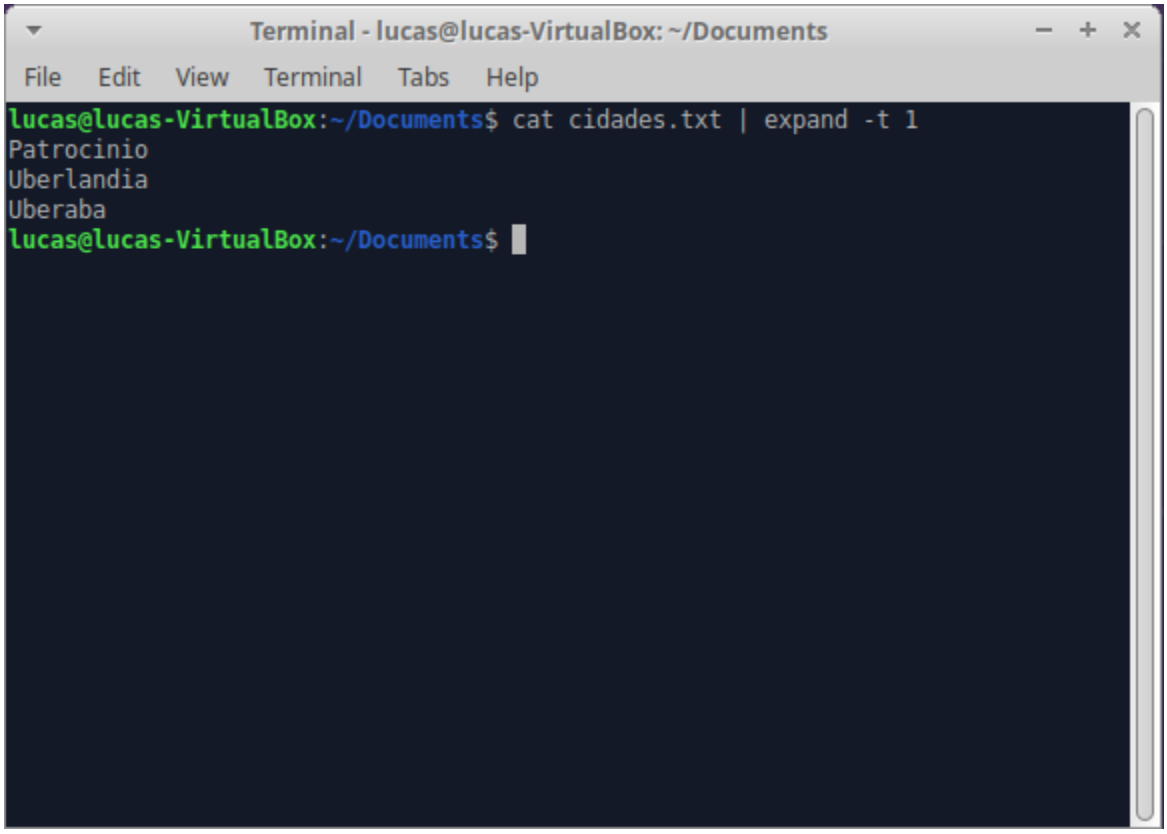
Comando: set


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ touch cidades.txt
lucas@lucas-VirtualBox:~/Documents$ echo Patrocinio >> cidades.txt
lucas@lucas-VirtualBox:~/Documents$ echo Uberlandia >> cidades.txt
lucas@lucas-VirtualBox:~/Documents$ echo Uberaba >> cidades.txt
lucas@lucas-VirtualBox:~/Documents$ cat cidades.txt
Patrocinio
Uberlandia
Uberaba
lucas@lucas-VirtualBox:~/Documents$ seq 6 10 > arquivo.txt
lucas@lucas-VirtualBox:~/Documents$ cat arquivo.txt cidades.txt
6
7
8
9
10
Patrocinio
Uberlandia
Uberaba
lucas@lucas-VirtualBox:~/Documents$

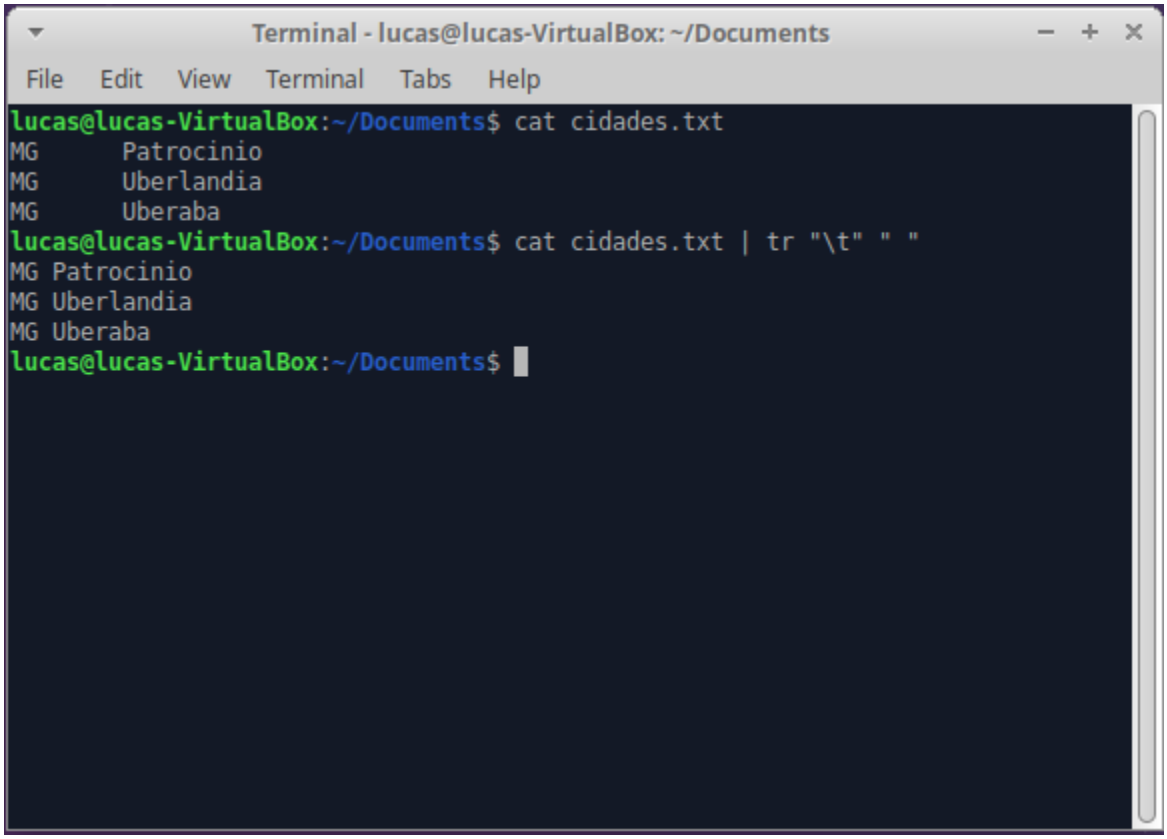
Comando: cut


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ echo 'alessandro vivas andrade ' | cut -c 1-10
'alessan
lucas@lucas-VirtualBox:~/Documents$

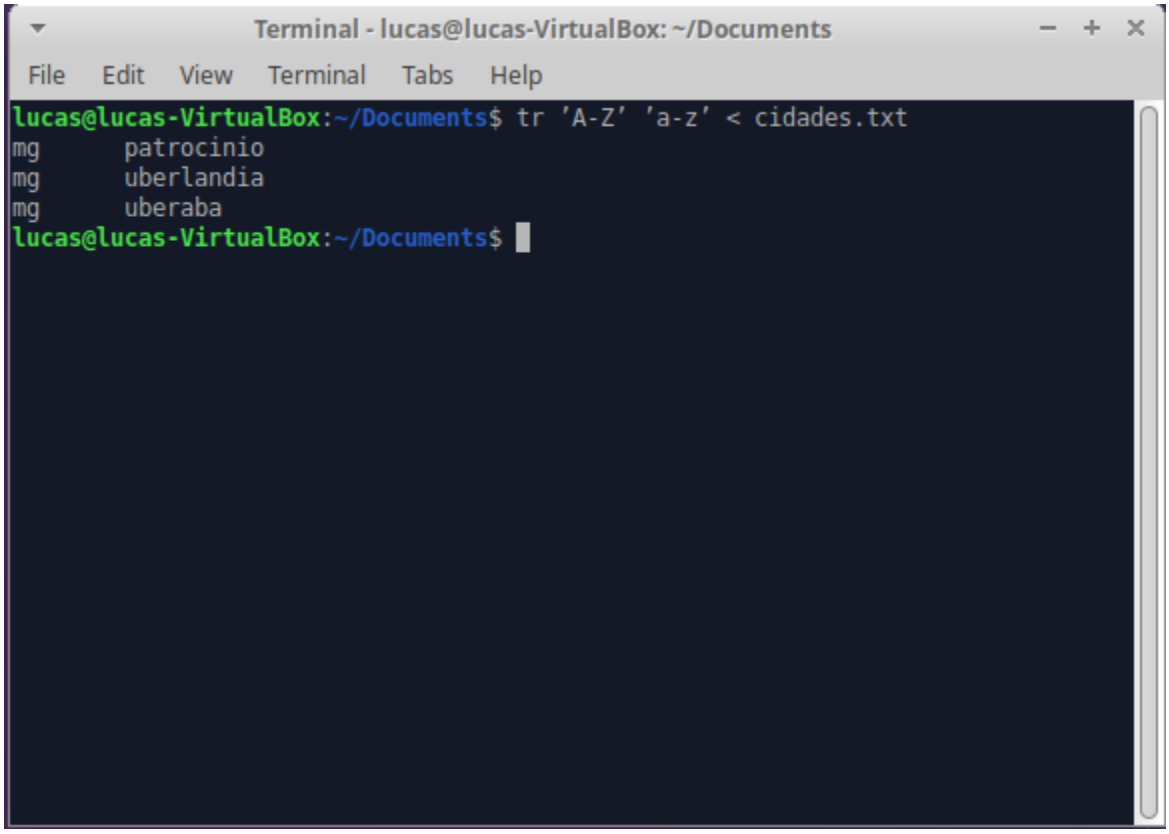
Comando: expand



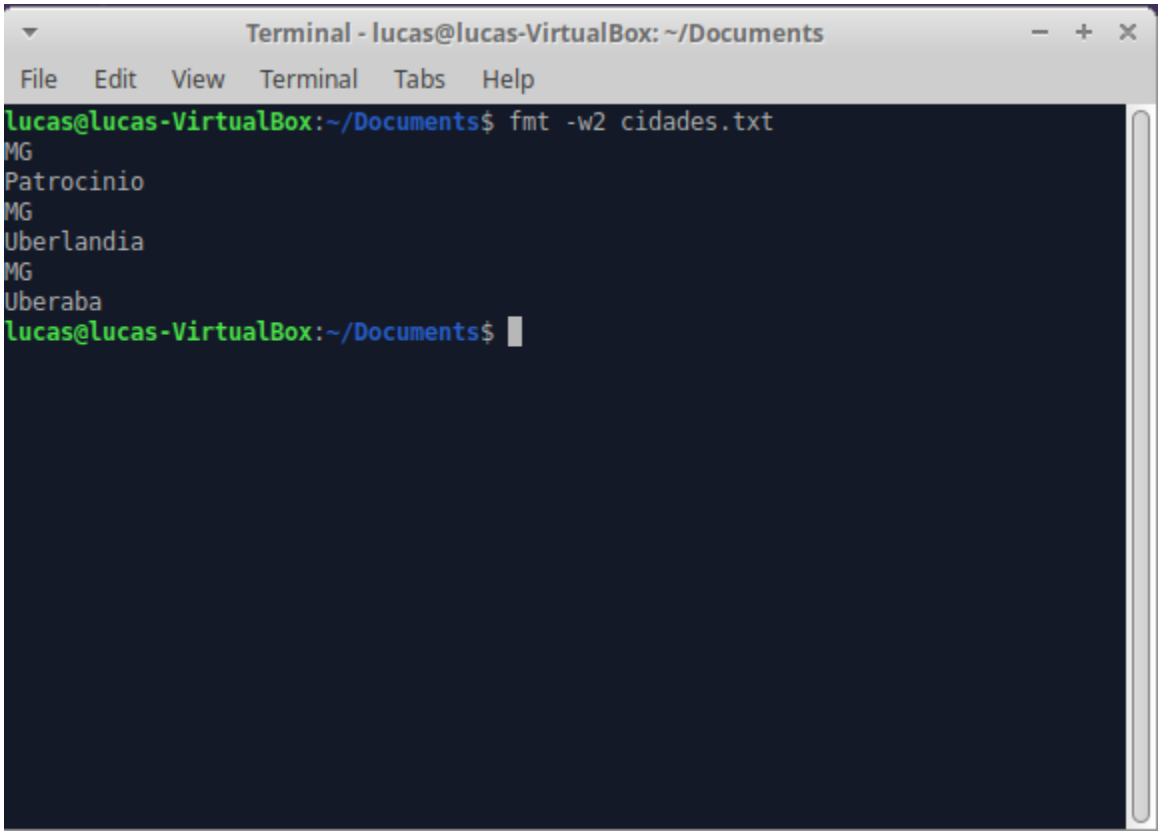
Comando: tr


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ cat cidades.txt
MG Patrocinio
MG Uberlandia
MG Uberaba
lucas@lucas-VirtualBox:~/Documents$ cat cidades.txt | tr "\t" " "
MG Patrocinio
MG Uberlandia
MG Uberaba
lucas@lucas-VirtualBox:~/Documents$

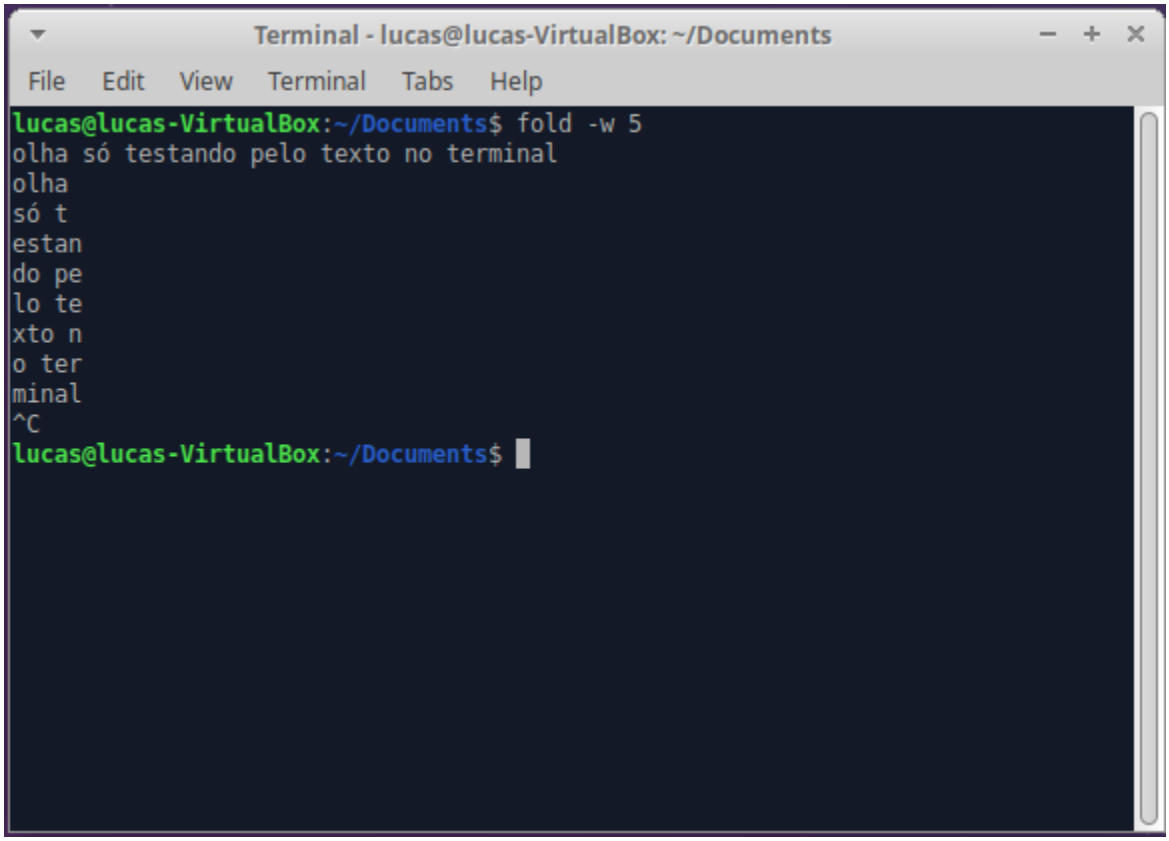
Comando: tr ‘A-Z’ ‘a-z’



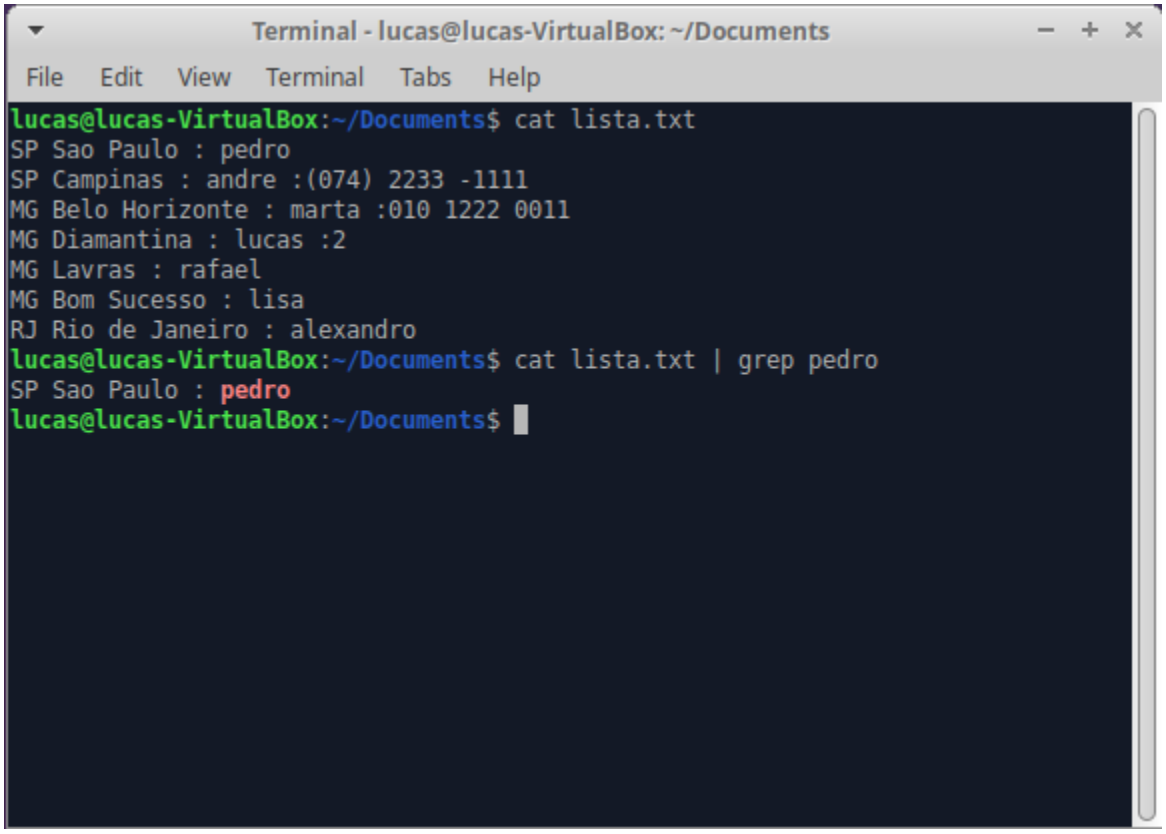
Comando: fmt -w2



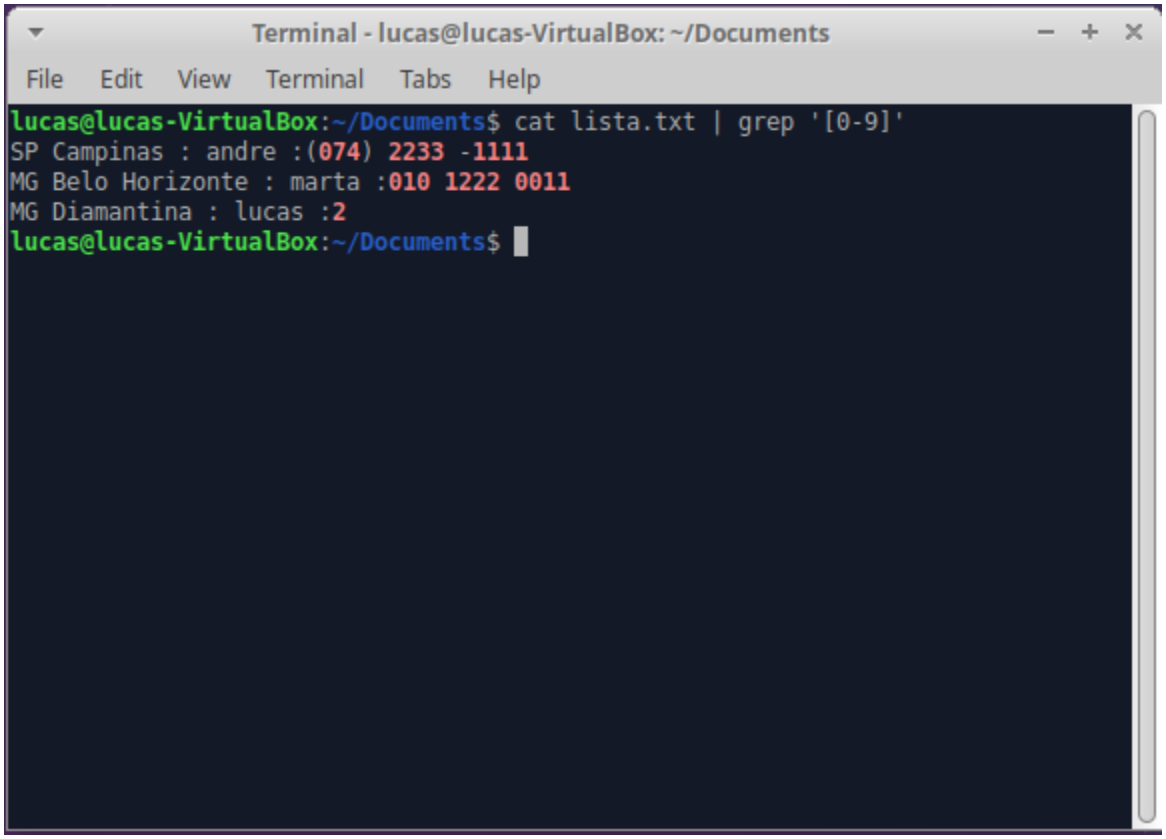
Comando: fold -w 5



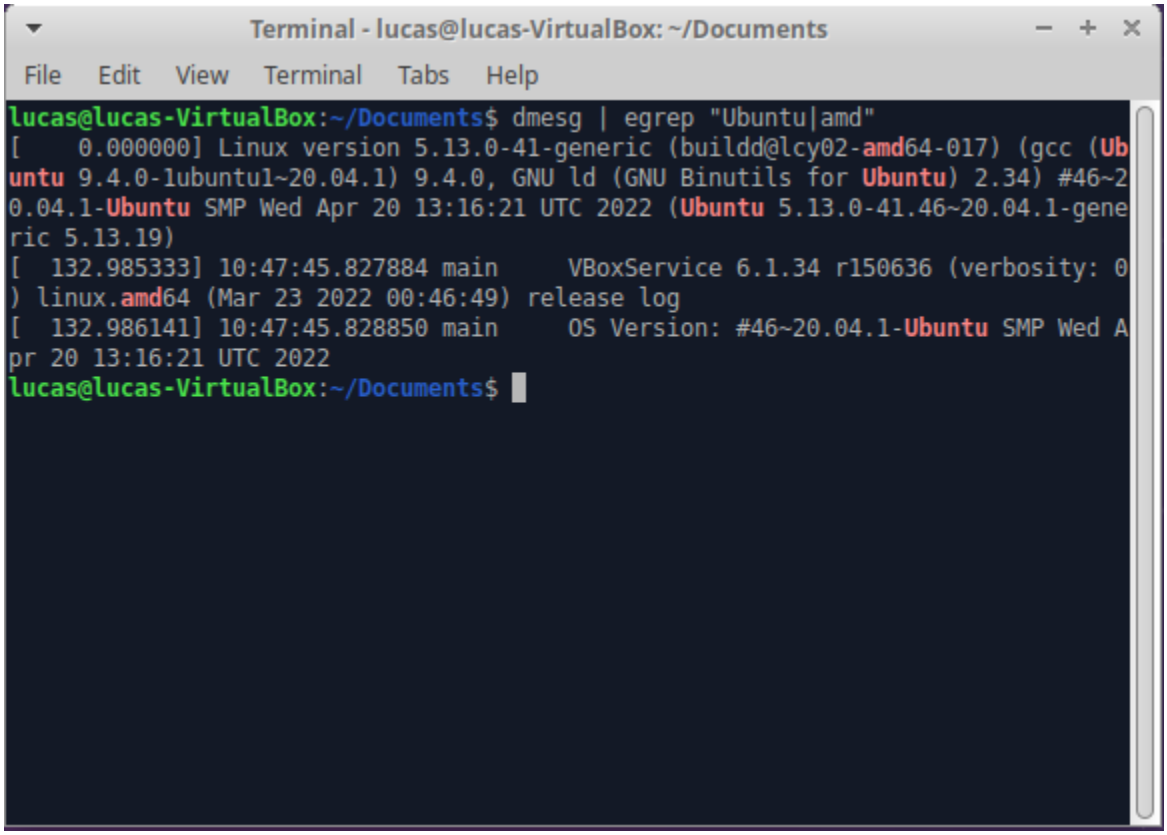
Comando: grep



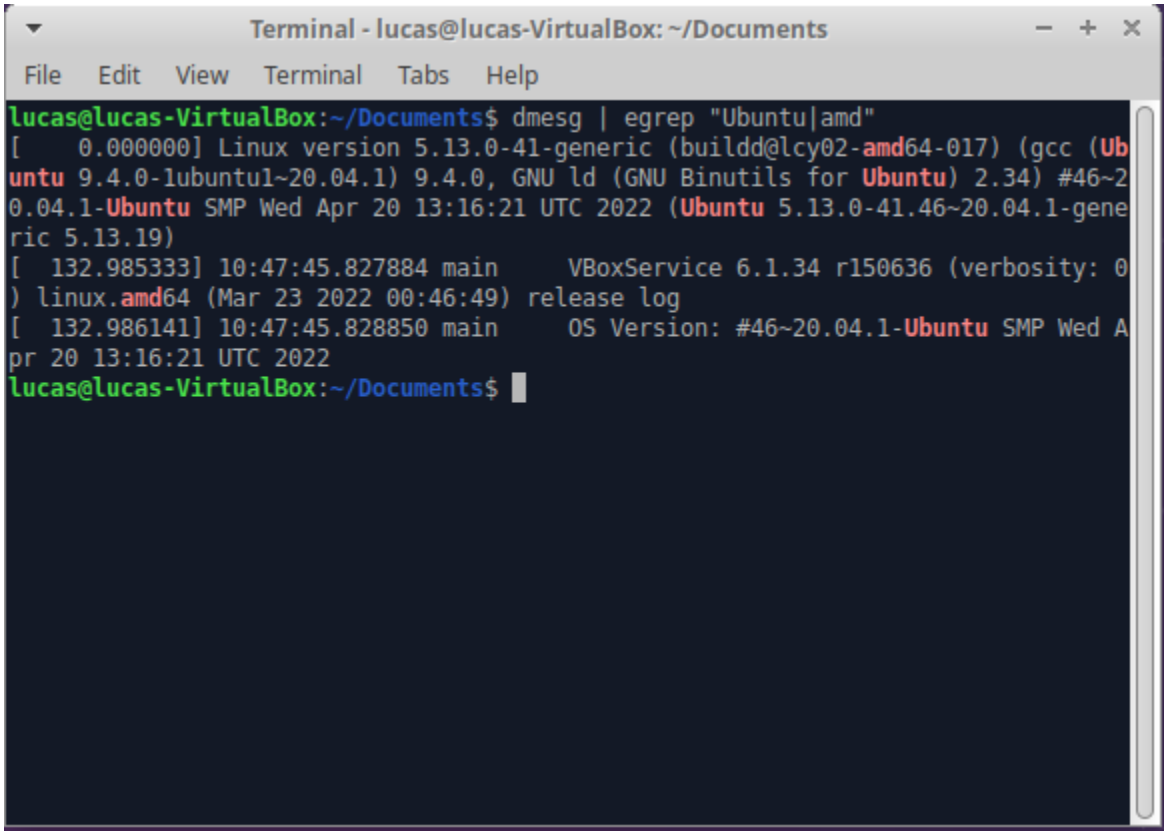
Comando: grep ‘[0-9]’



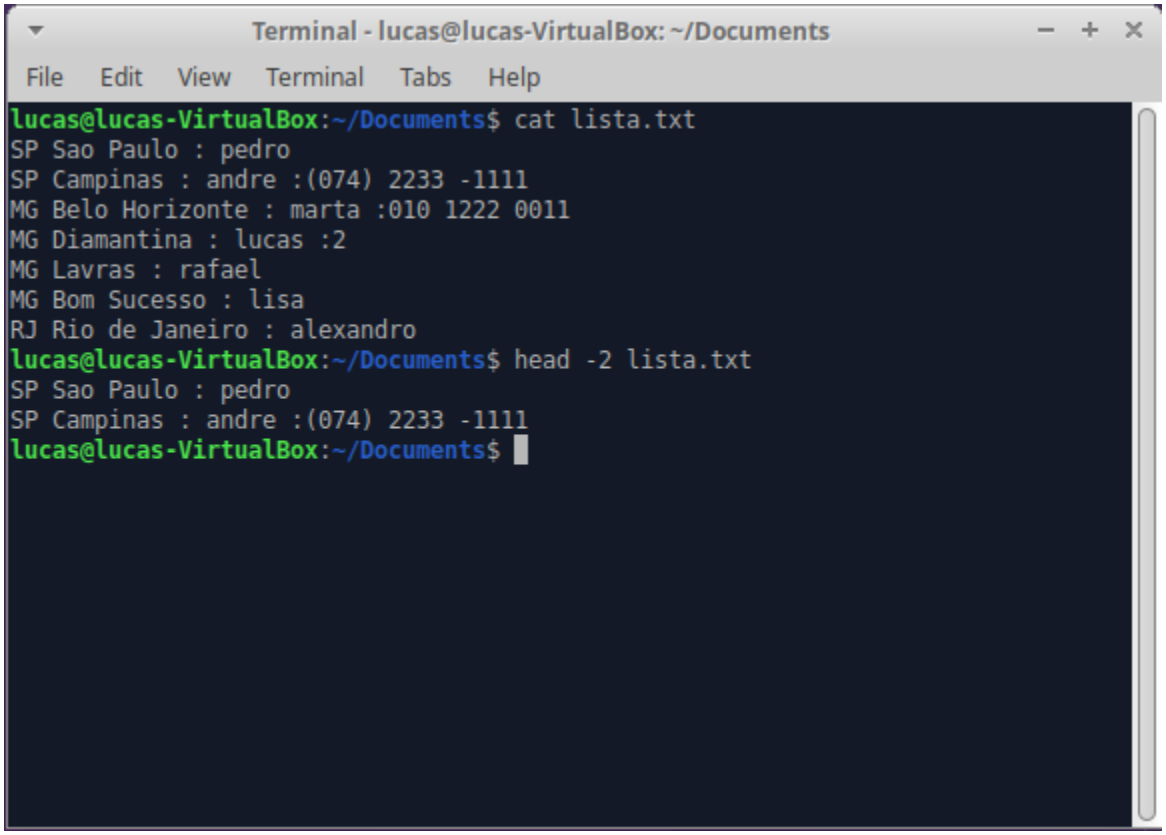
Comando: dmesg



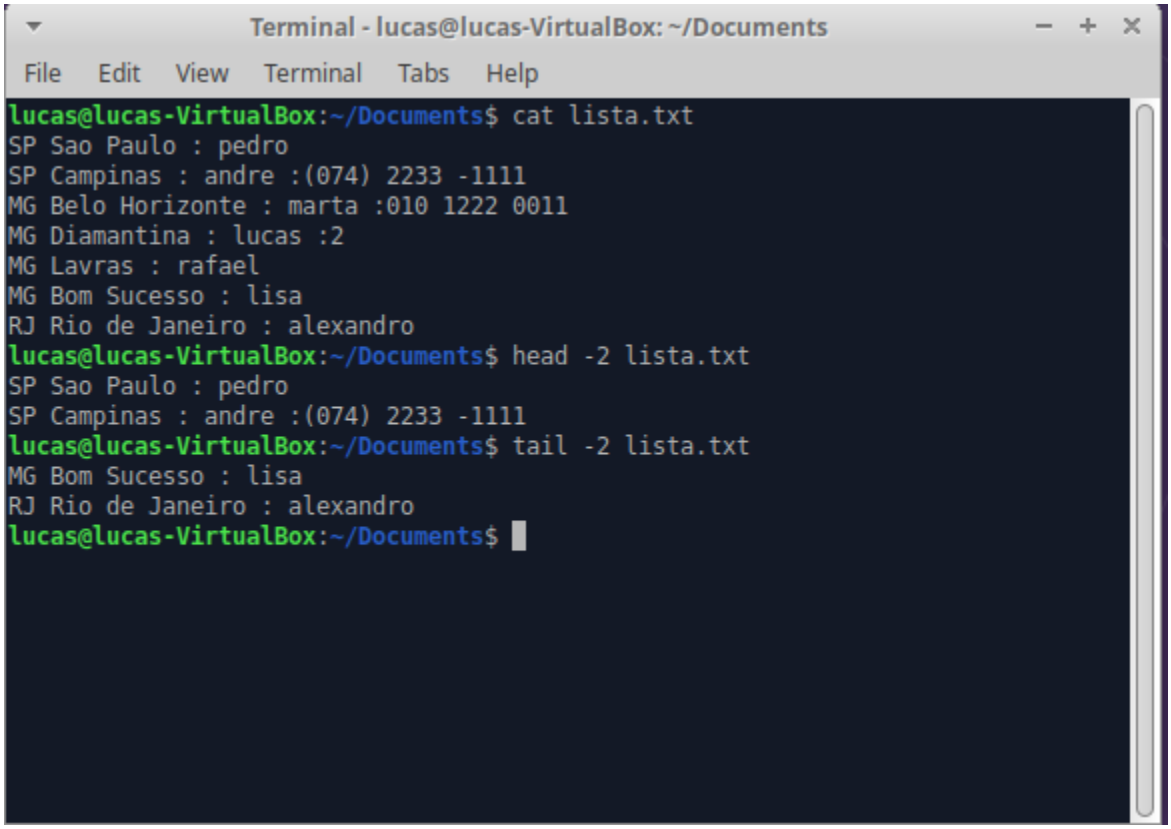
Comando: egrep



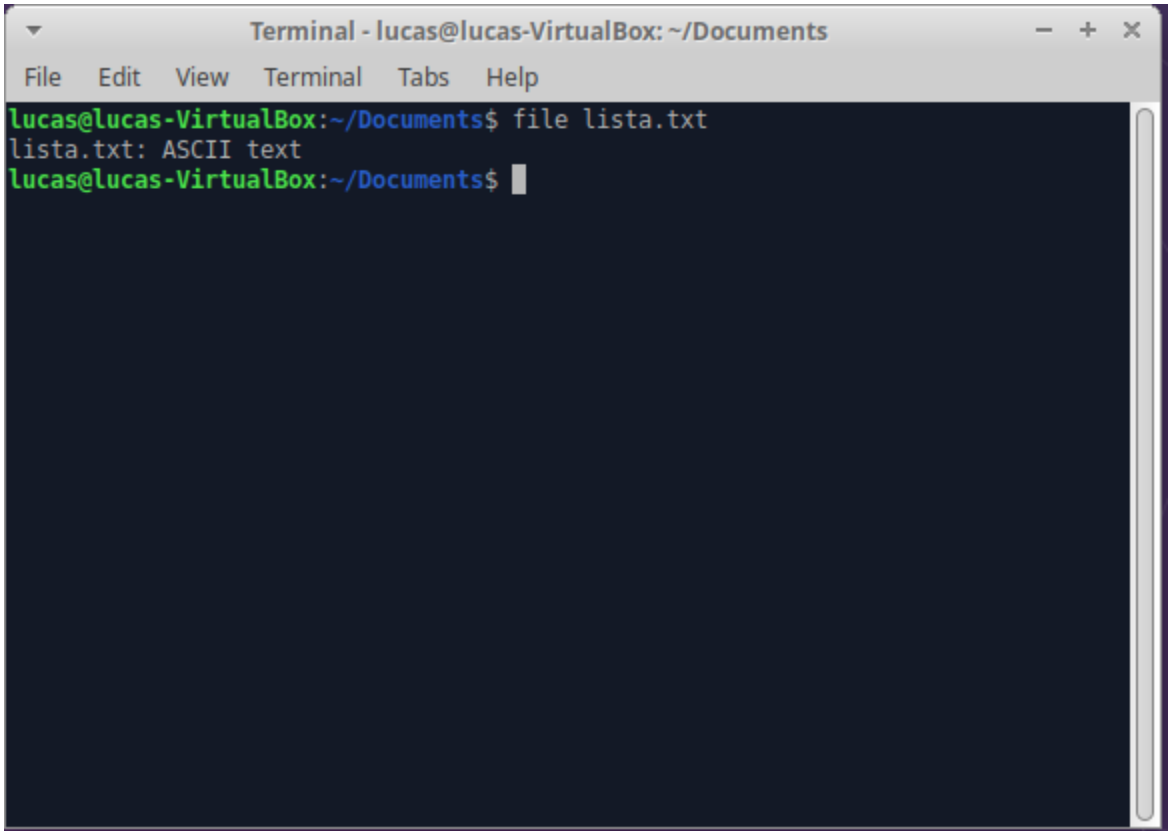
Comando: head



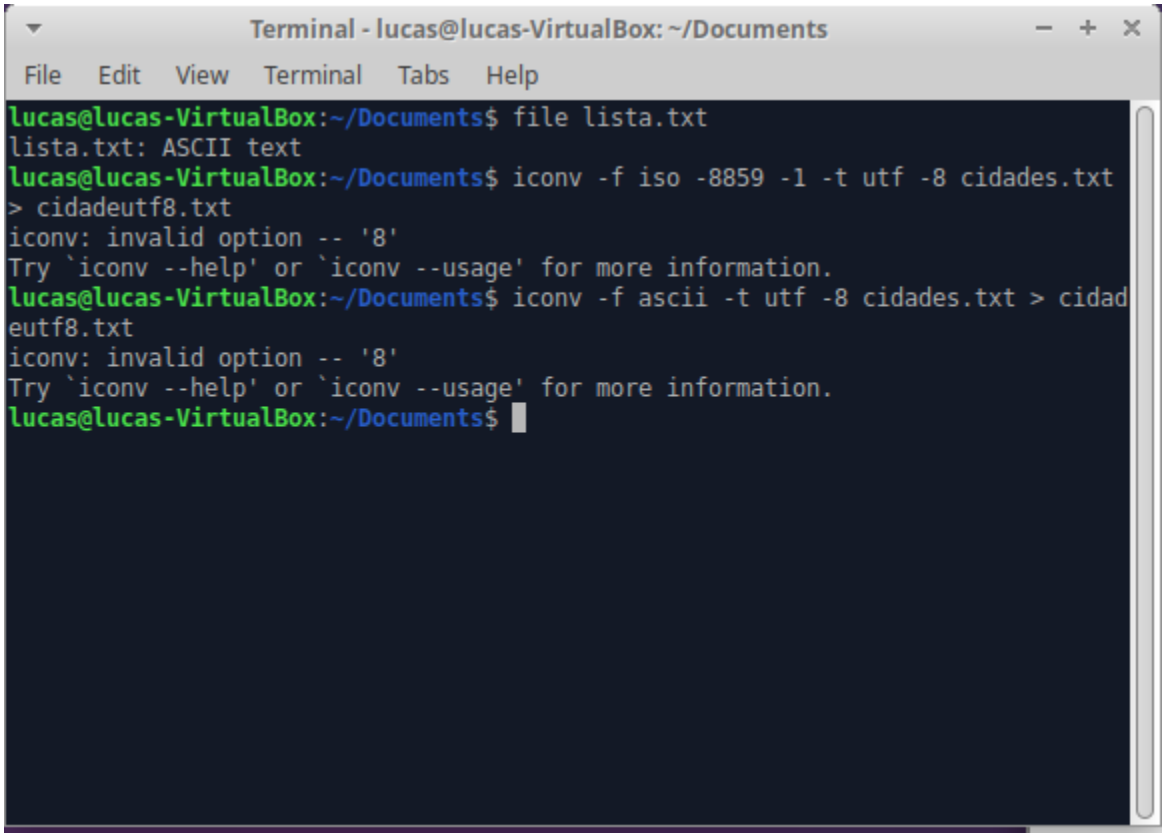
Comando: tail



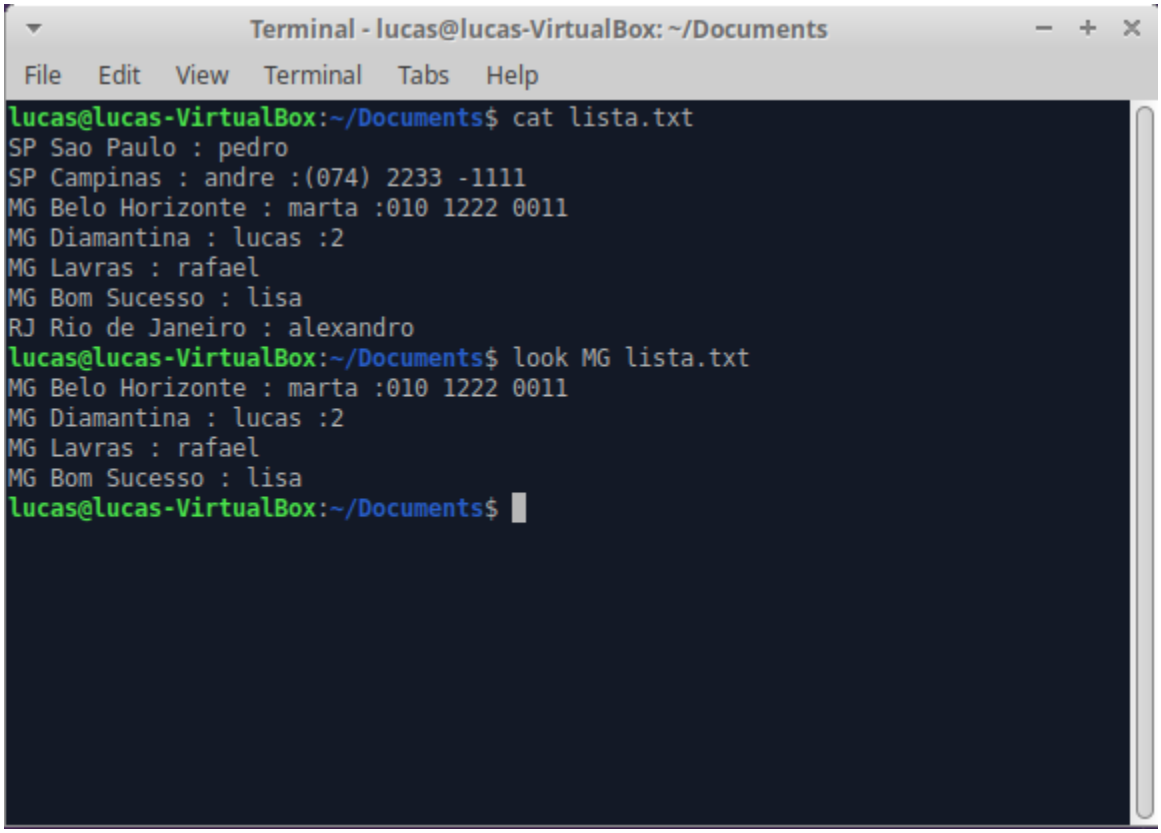
Comando: file



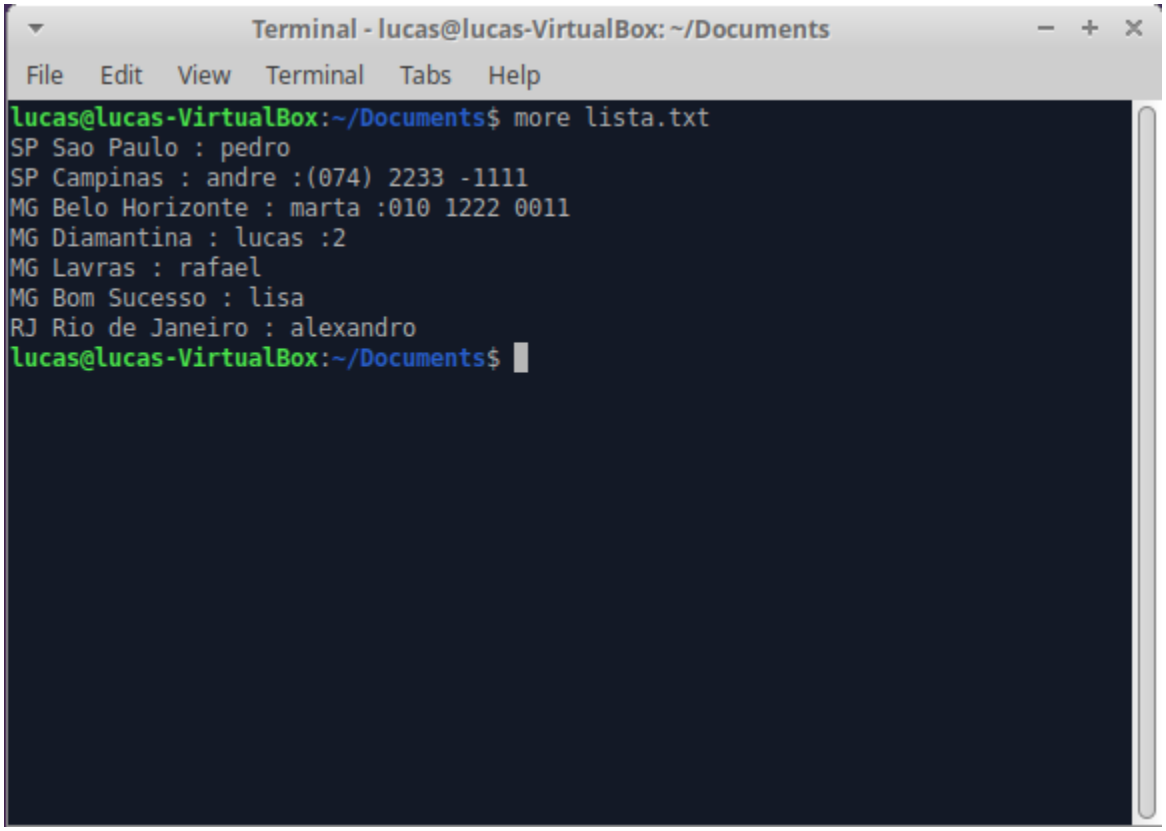
Comando: iconv



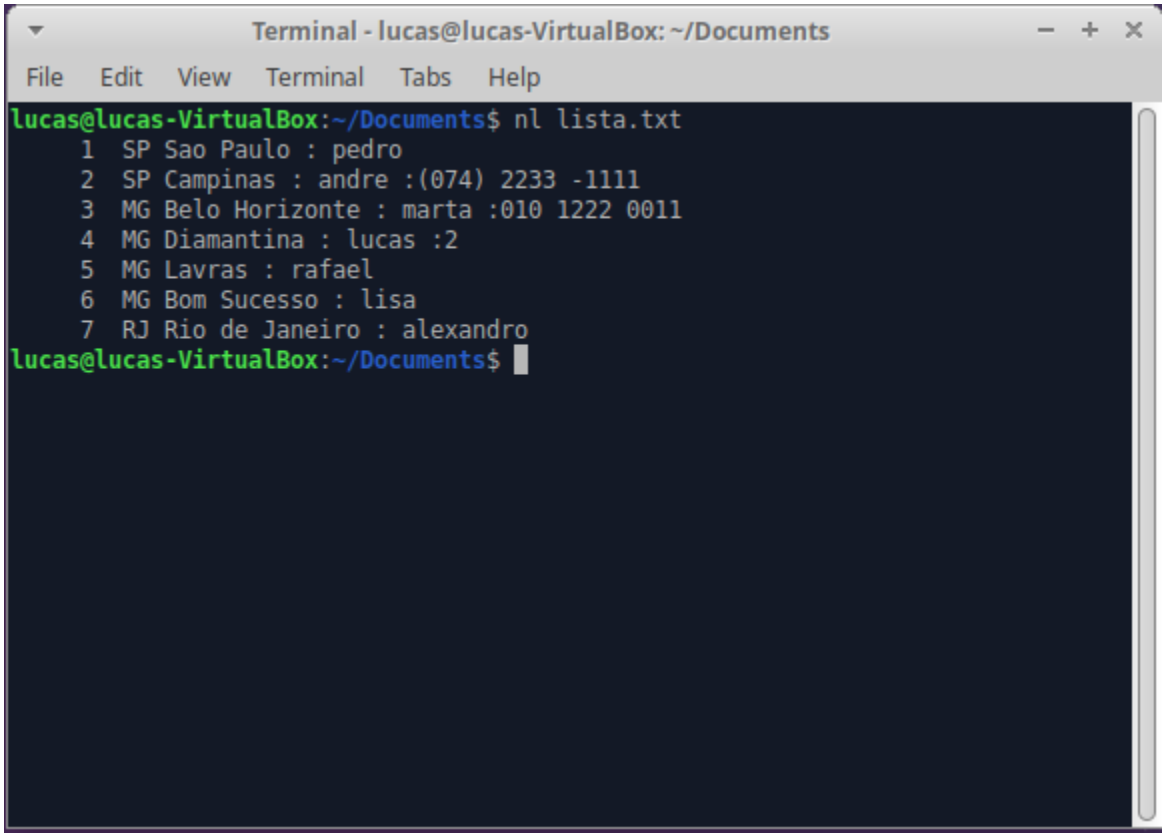
Comando: look



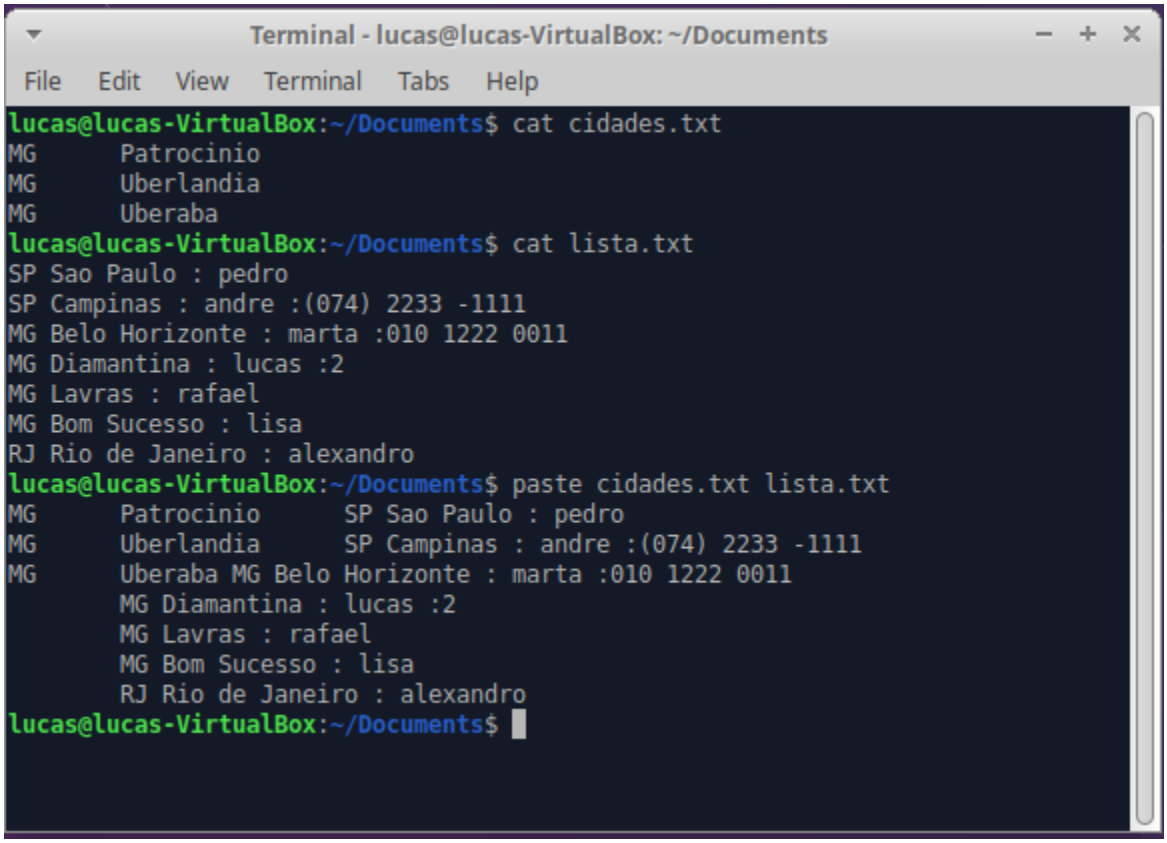
Comando: more



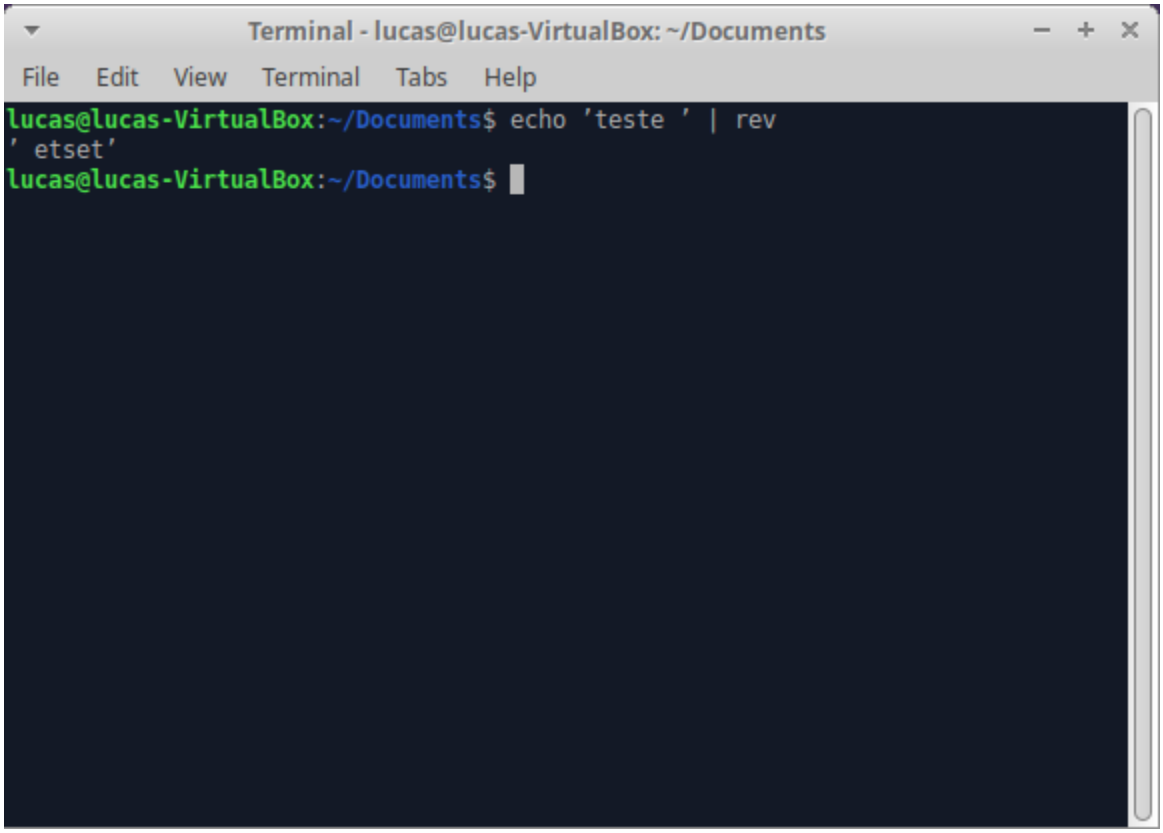
Comando: nl


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ nl lista.txt
1 SP Sao Paulo : pedro
2 SP Campinas : andre :(074) 2233 -1111
3 MG Belo Horizonte : marta :010 1222 0011
4 MG Diamantina : lucas :2
5 MG Lavras : rafael
6 MG Bom Sucesso : lisa
7 RJ Rio de Janeiro : alexandro
lucas@lucas-VirtualBox:~/Documents$

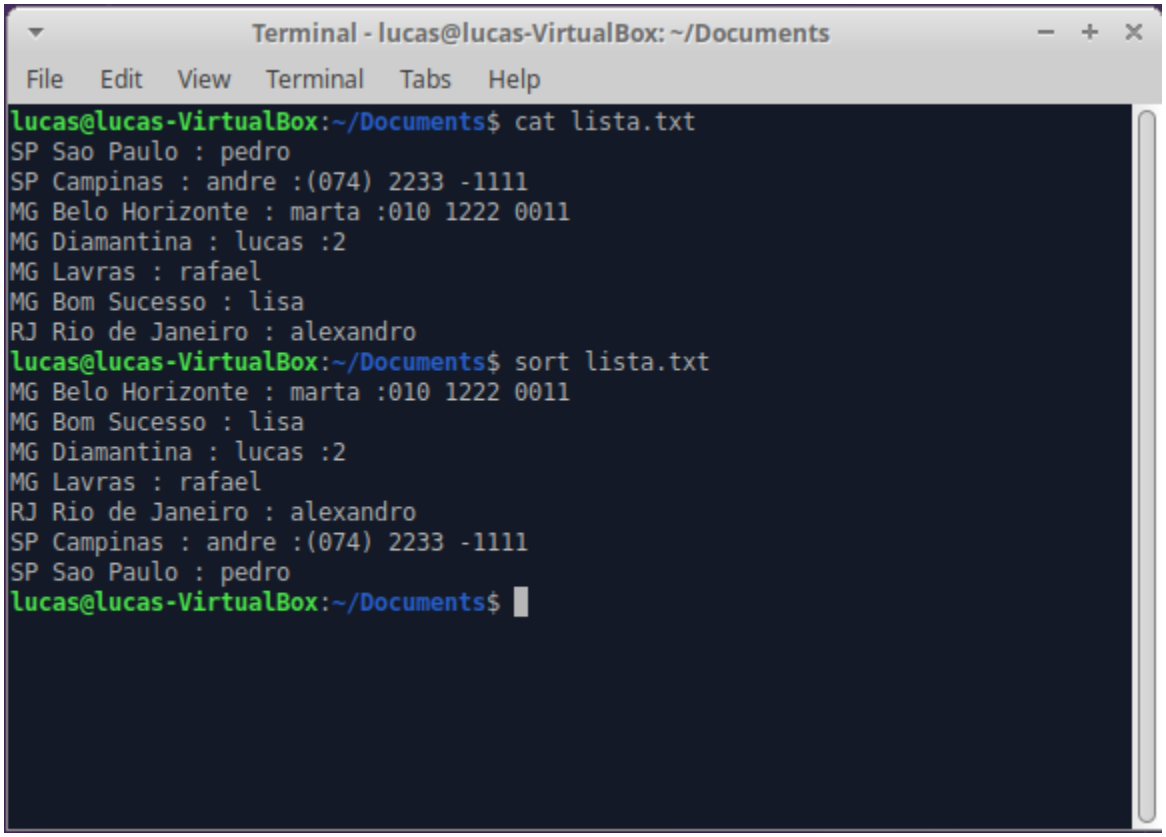
Comando: paste



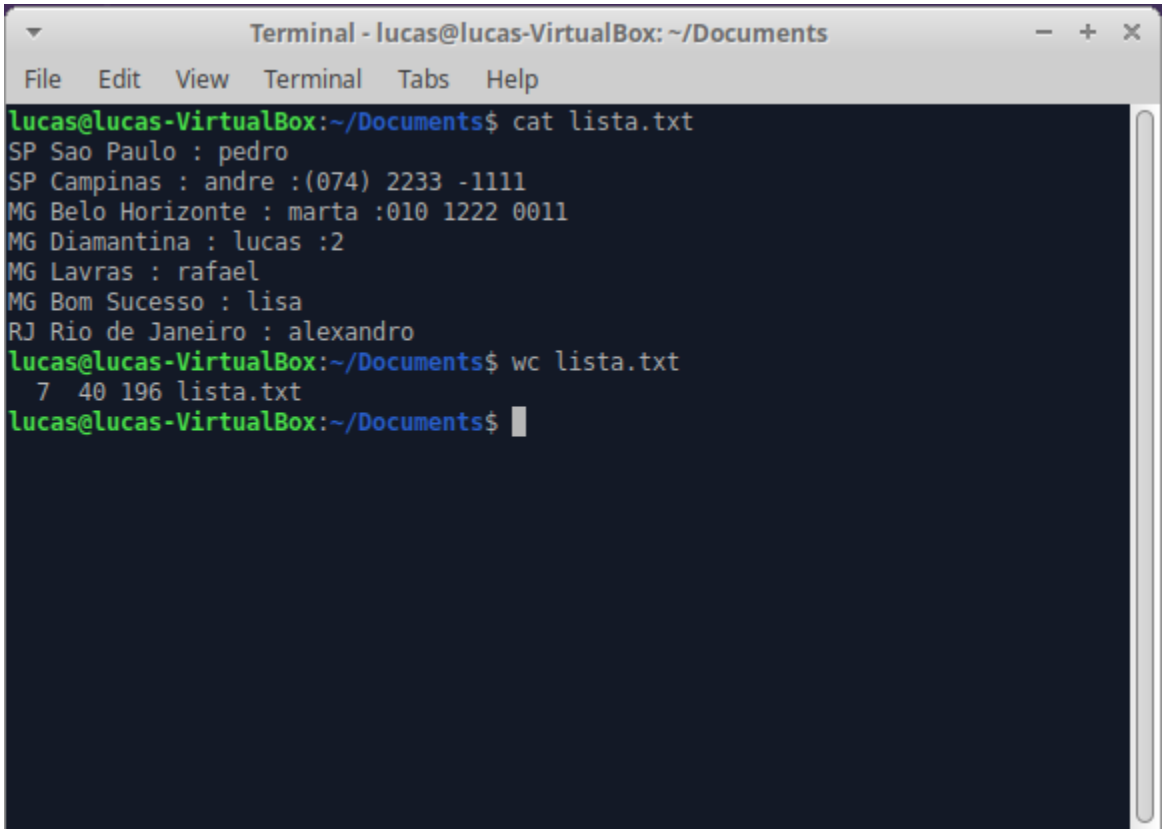
Comando: rev


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ echo 'teste ' | rev
' etset'
lucas@lucas-VirtualBox:~/Documents$

Comando: sort

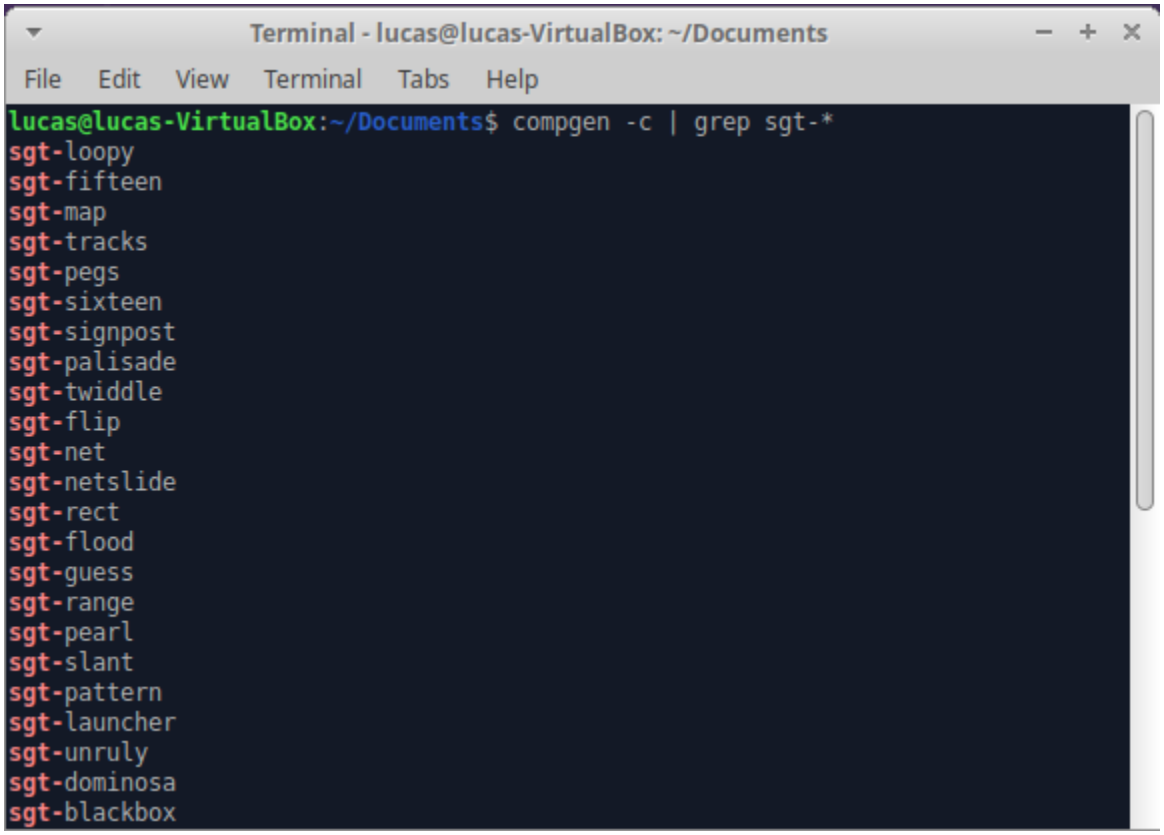


Comando: wc

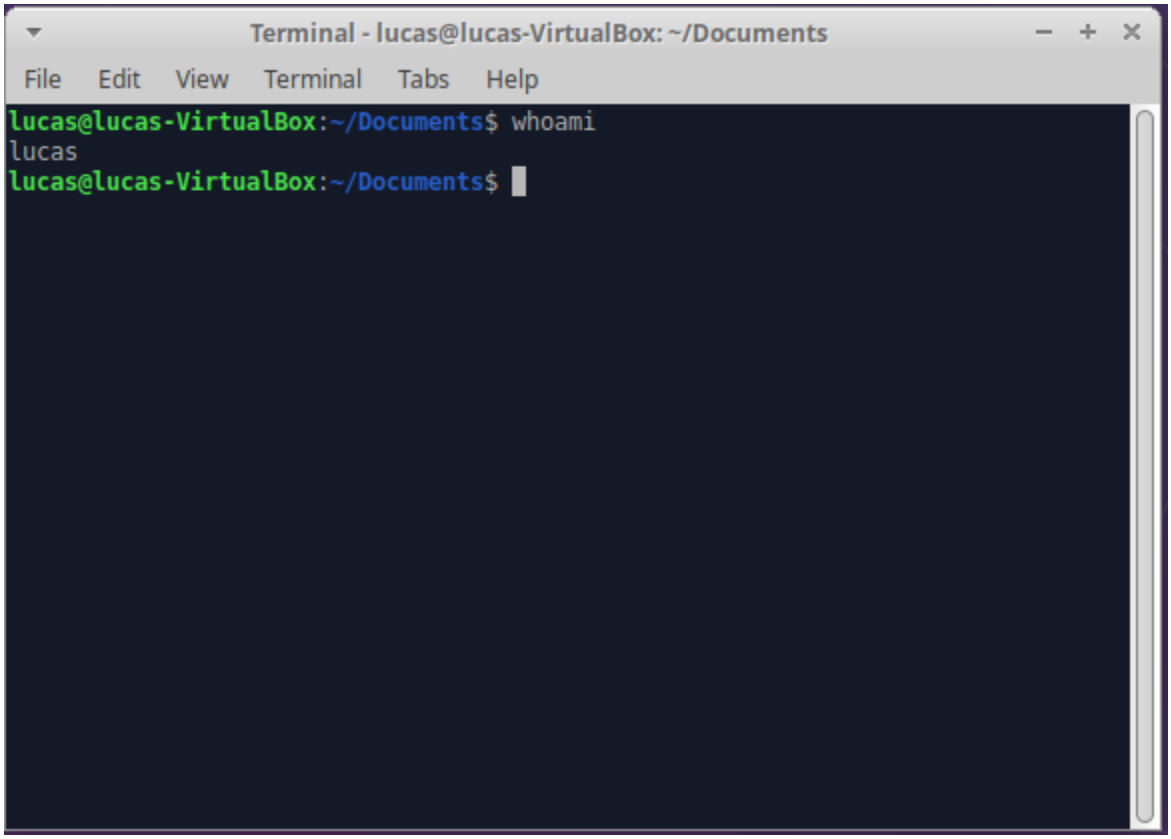

Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ cat lista.txt
SP Sao Paulo : pedro
SP Campinas : andre :(074) 2233 -1111
MG Belo Horizonte : marta :010 1222 0011
MG Diamantina : lucas :2
MG Lavras : rafael
MG Bom Sucesso : lisa
RJ Rio de Janeiro : alexandro
lucas@lucas-VirtualBox:~/Documents$ wc lista.txt
7 40 196 lista.txt
lucas@lucas-VirtualBox:~/Documents$

Capítulo 5

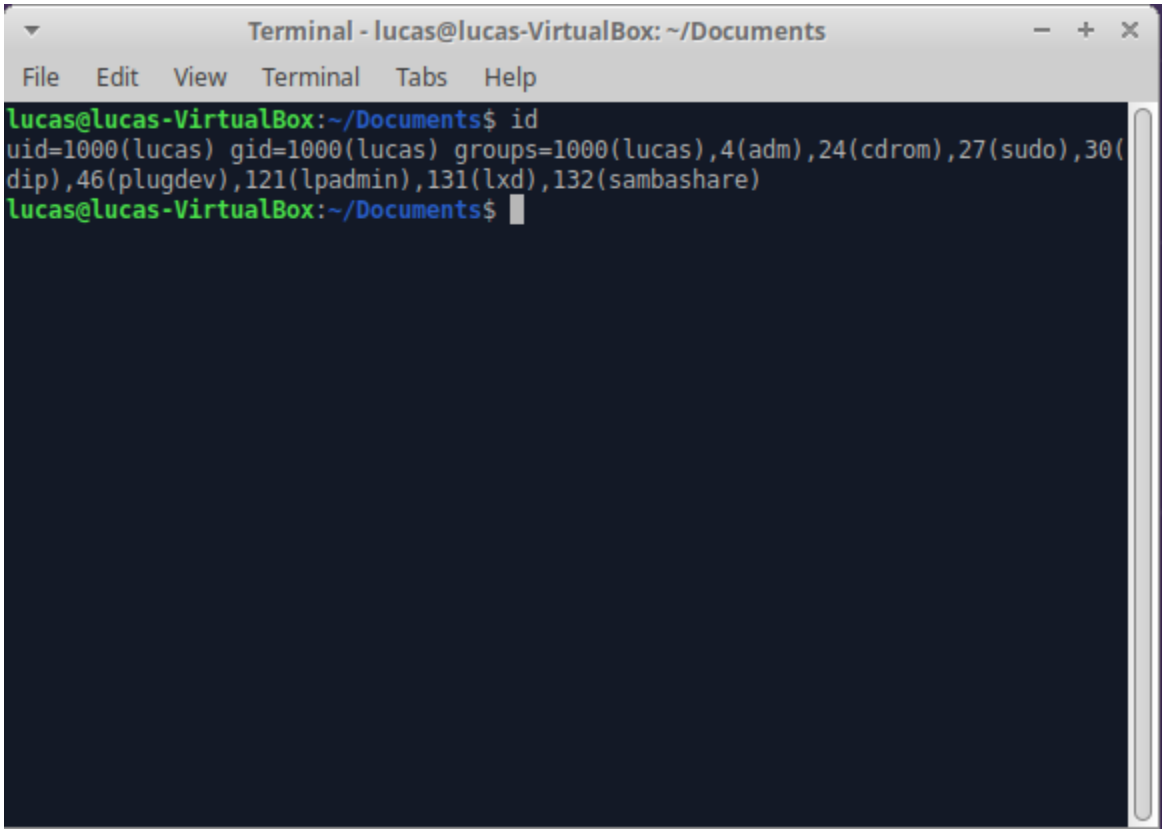
Comando: compgen -c



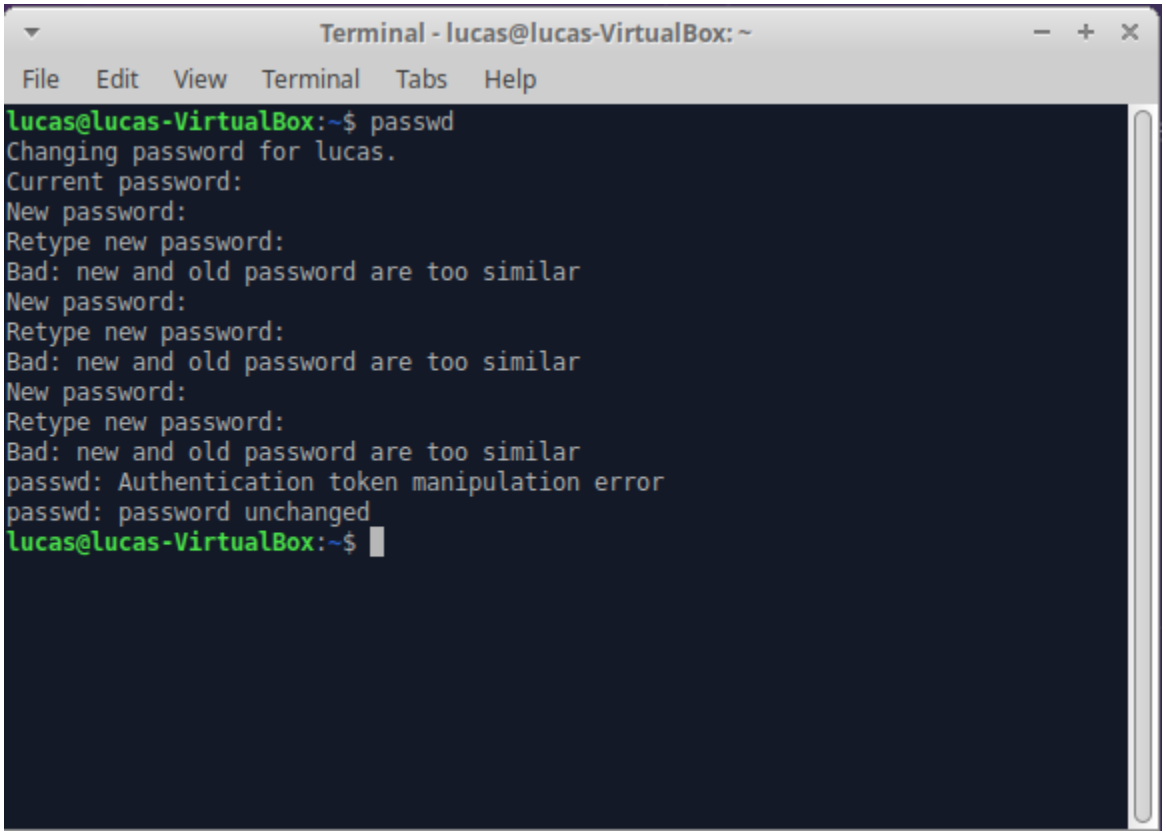
Comando: whoami



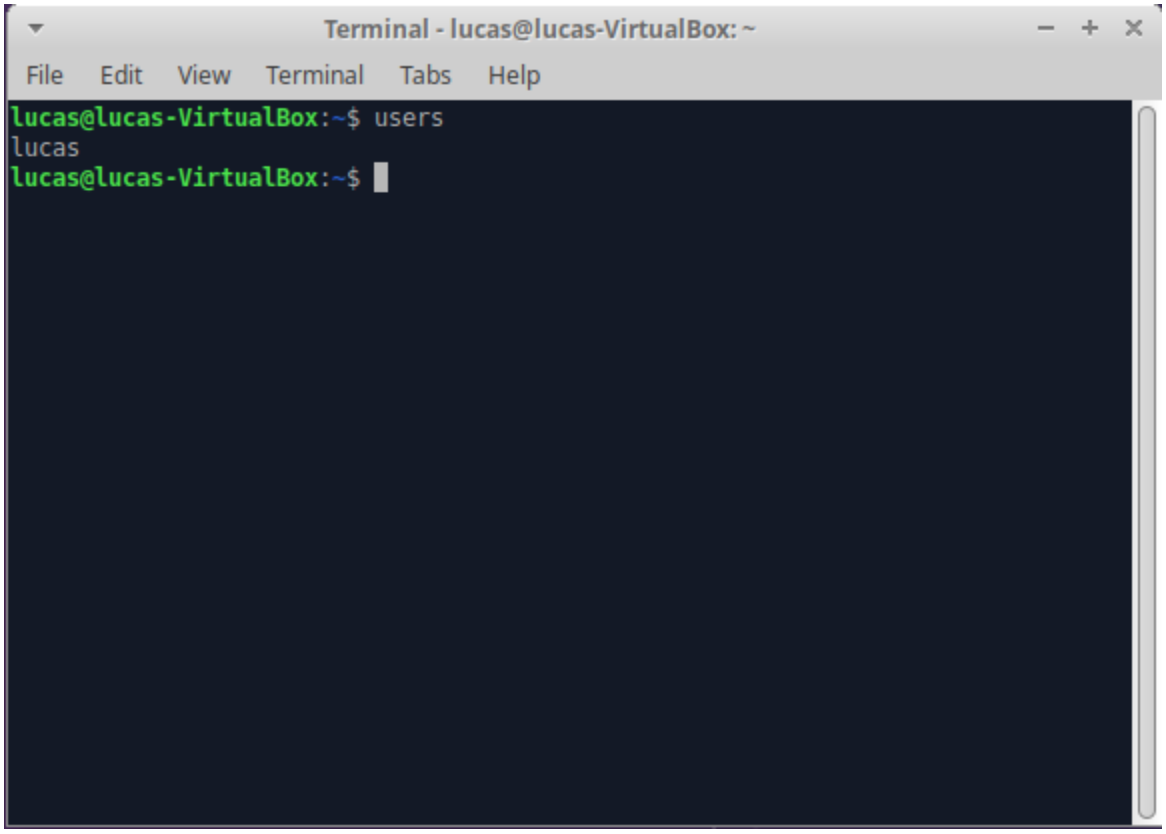
Comando: id


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ id
uid=1000(lucas) gid=1000(lucas) groups=1000(lucas),4(adm),24(cdrom),27(sudo),30(
dip),46(plugdev),121(lpadmin),131(lxd),132(sambashare)
lucas@lucas-VirtualBox:~/Documents$

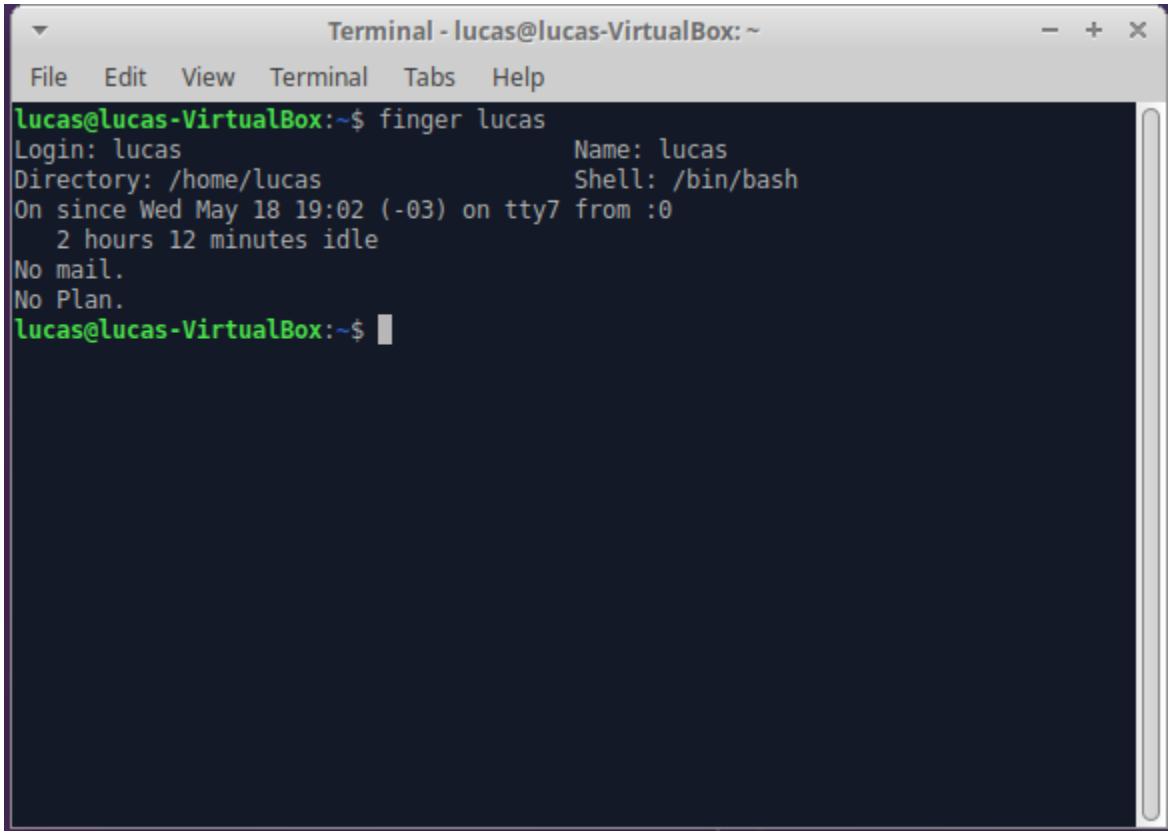
Comando: passwd



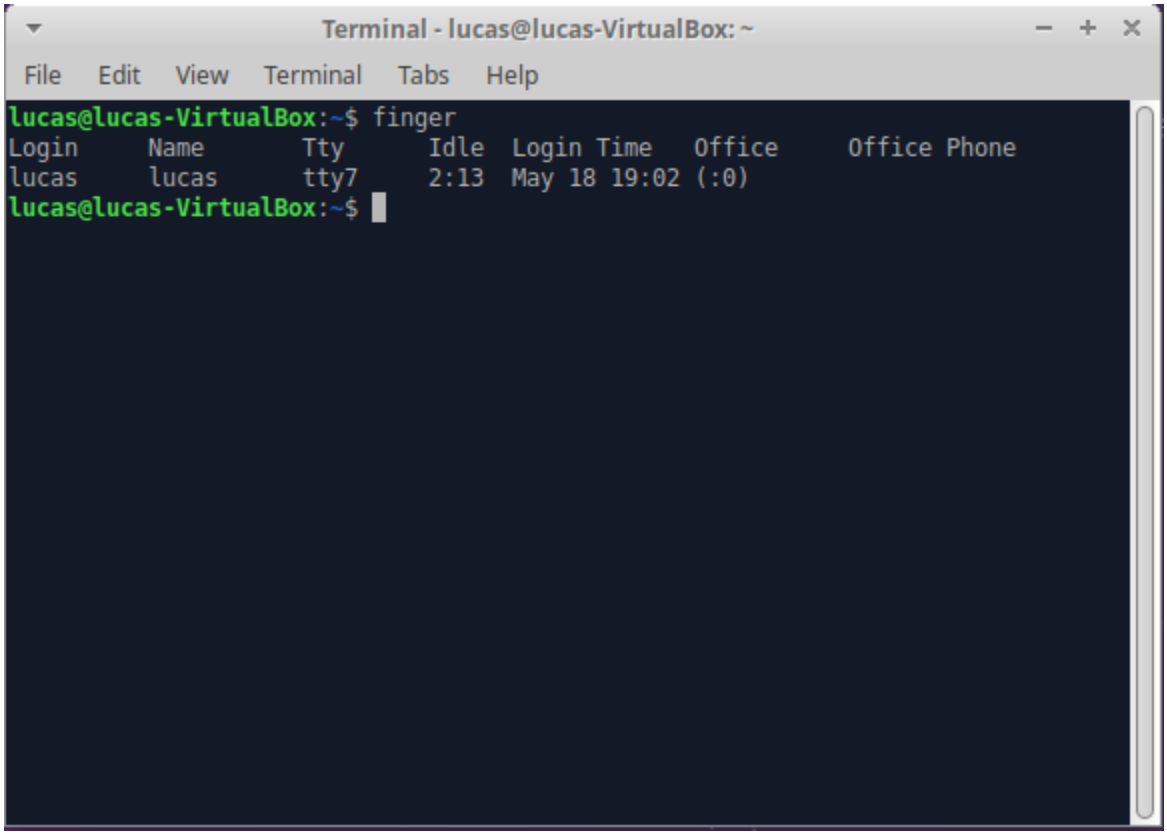
Comando: users



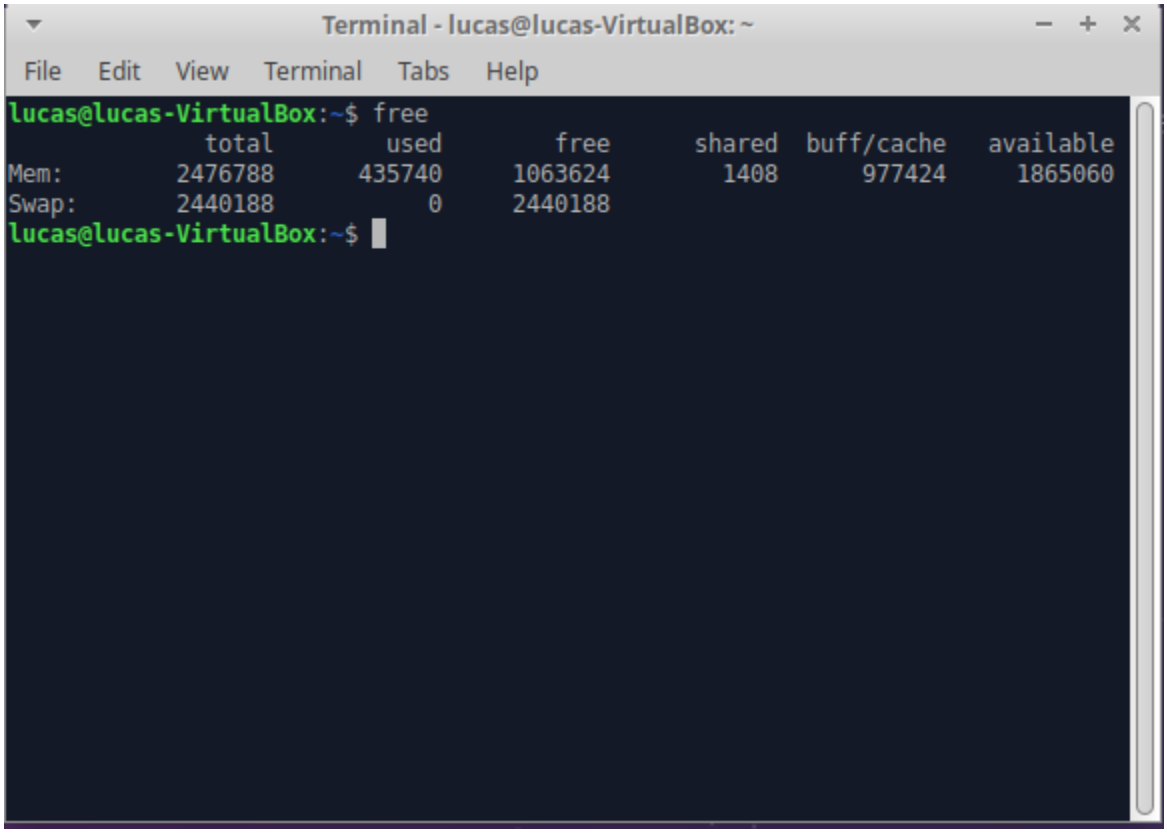
Comando: finger ${USERNAME}



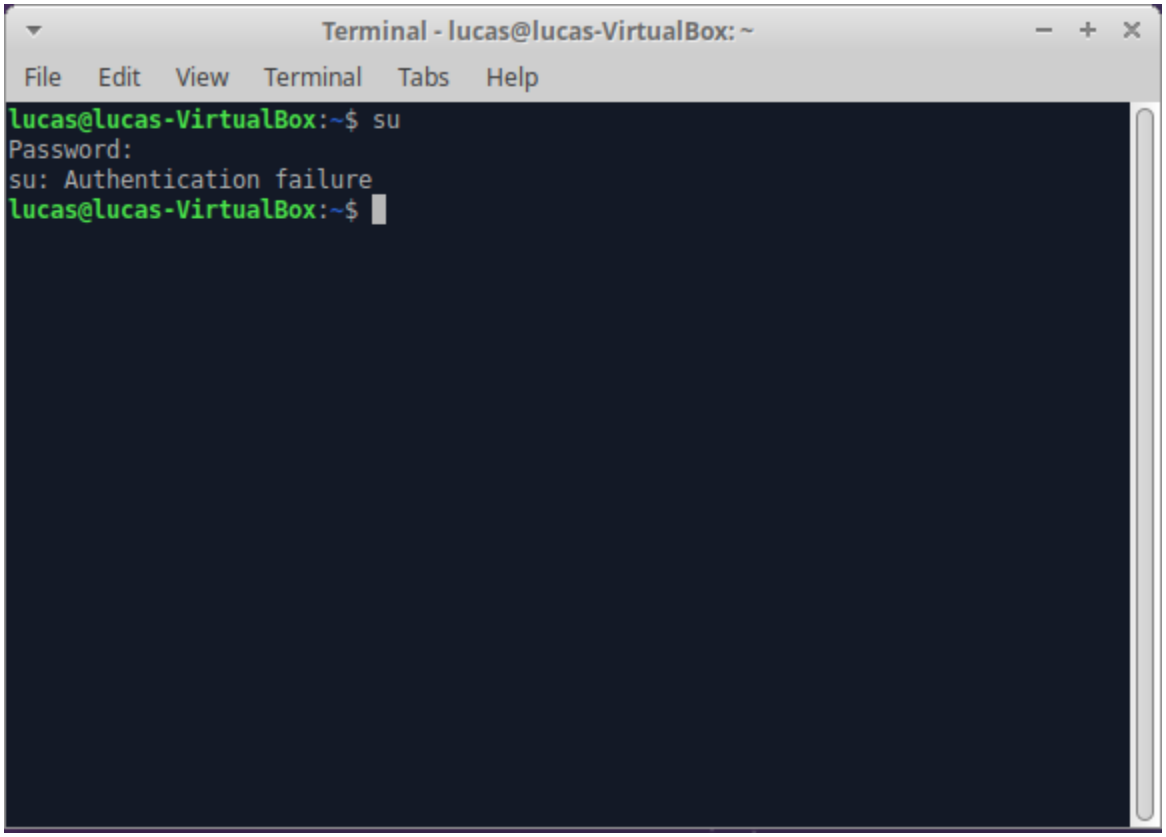
Comando: finger



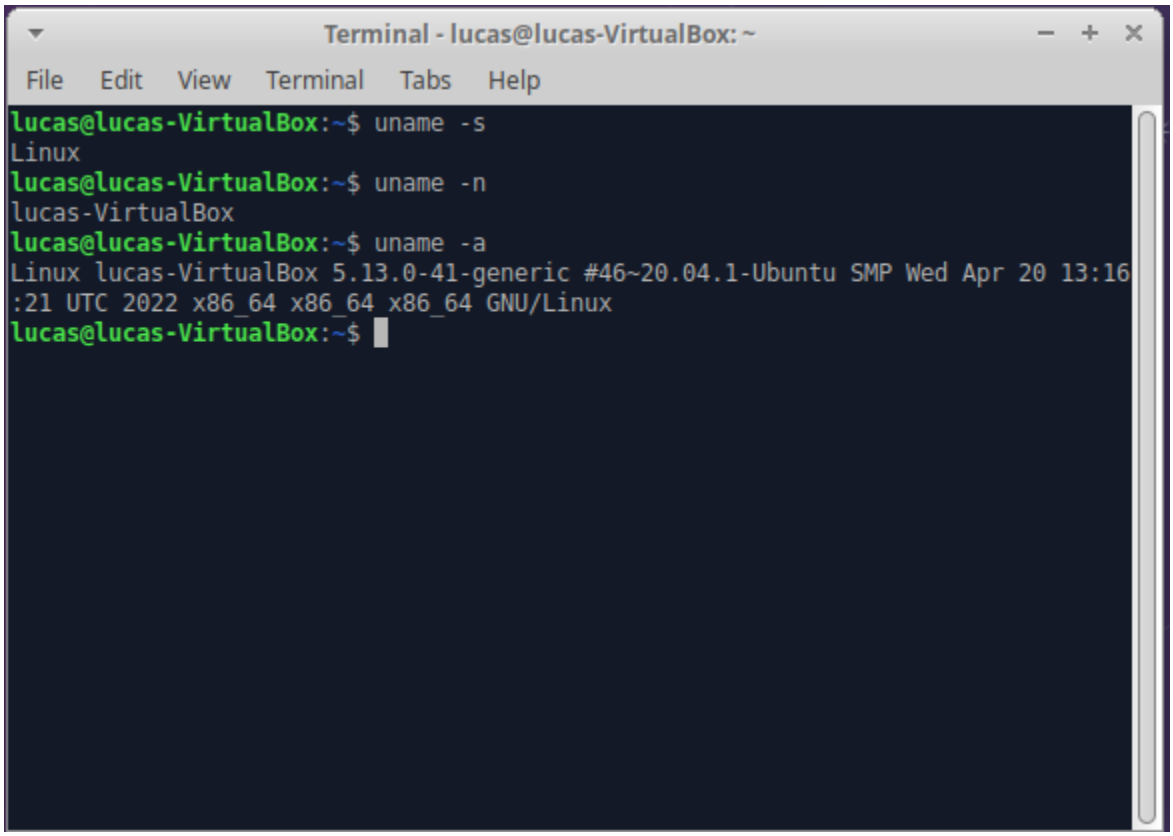
Comando: free



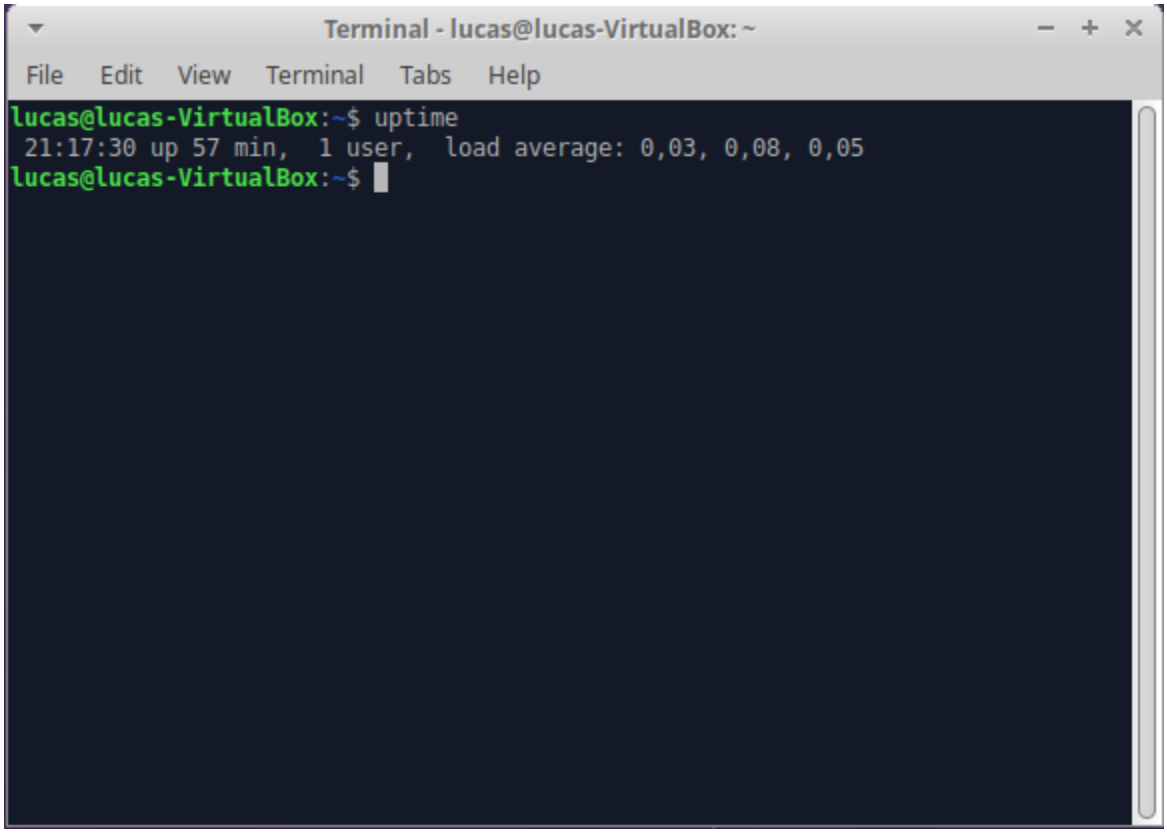
Comando: su


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ su
Password:
su: Authentication failure
lucas@lucas-VirtualBox:~$

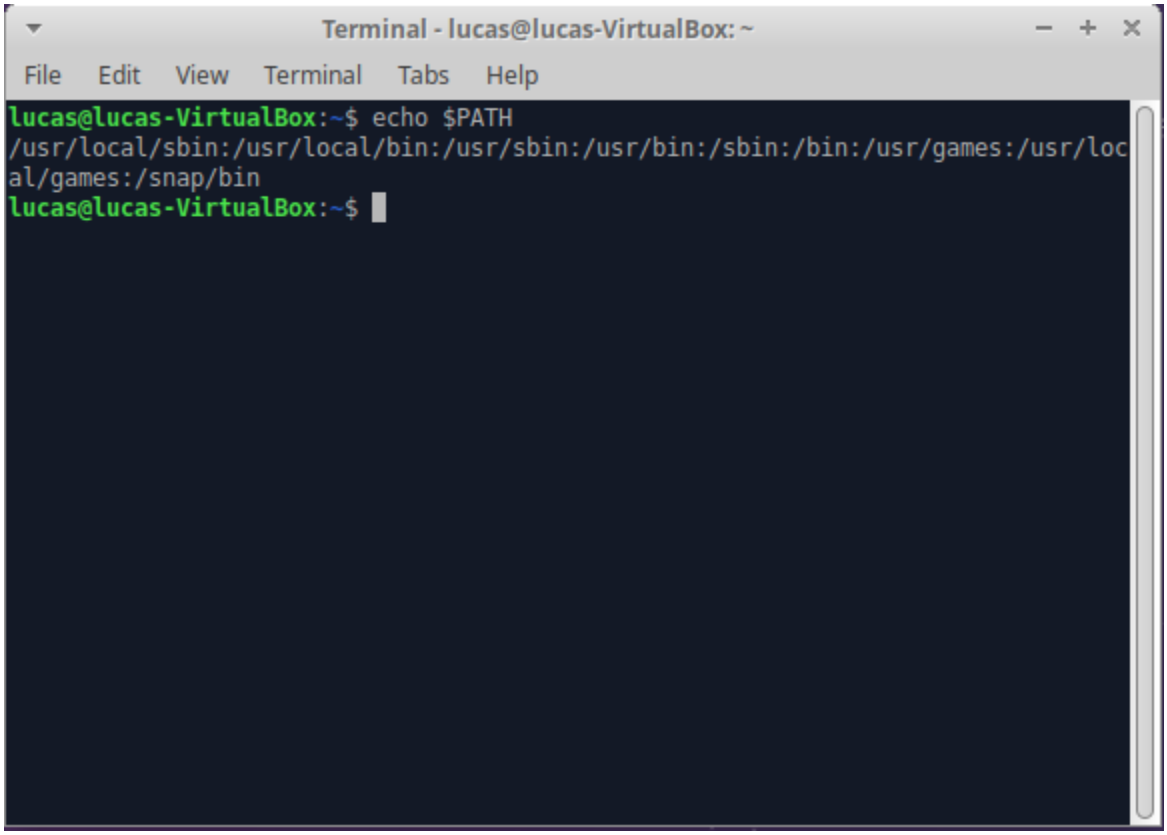
Comando: uname



Comando: uptime

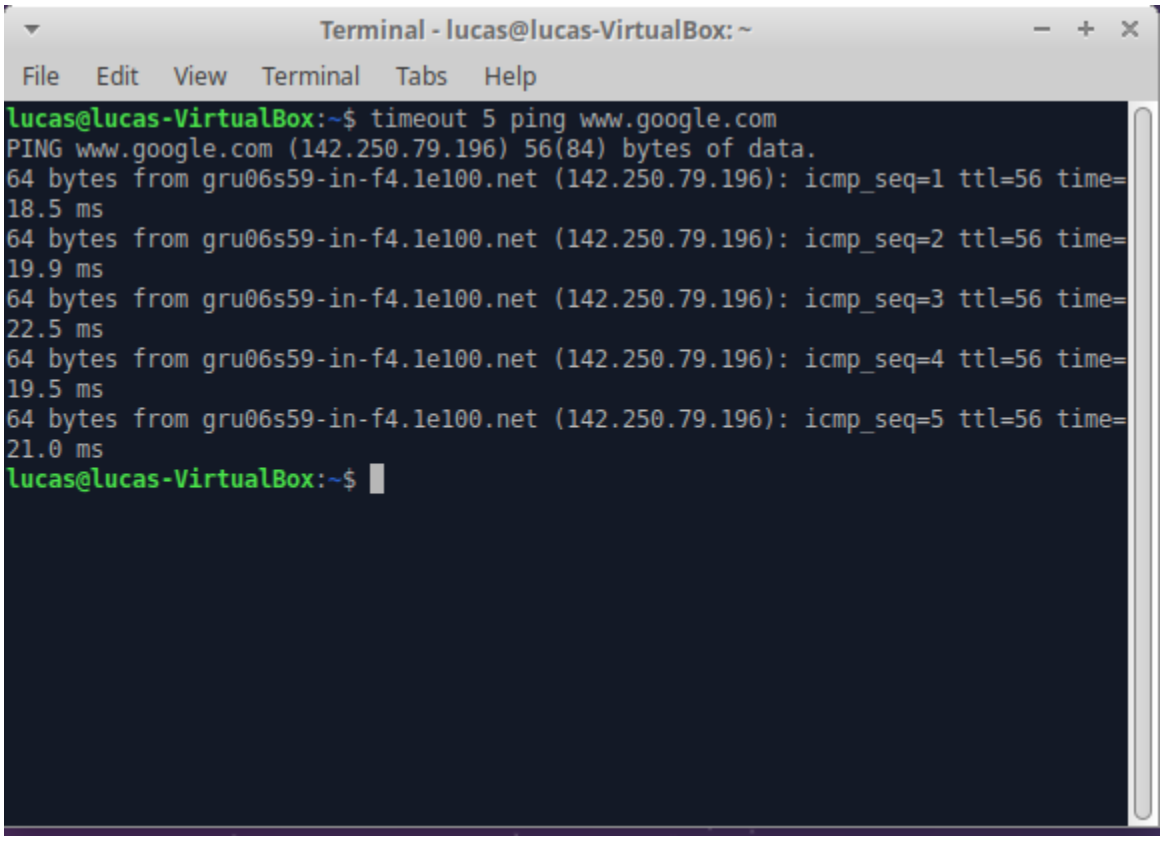


Comando: echo $PATH

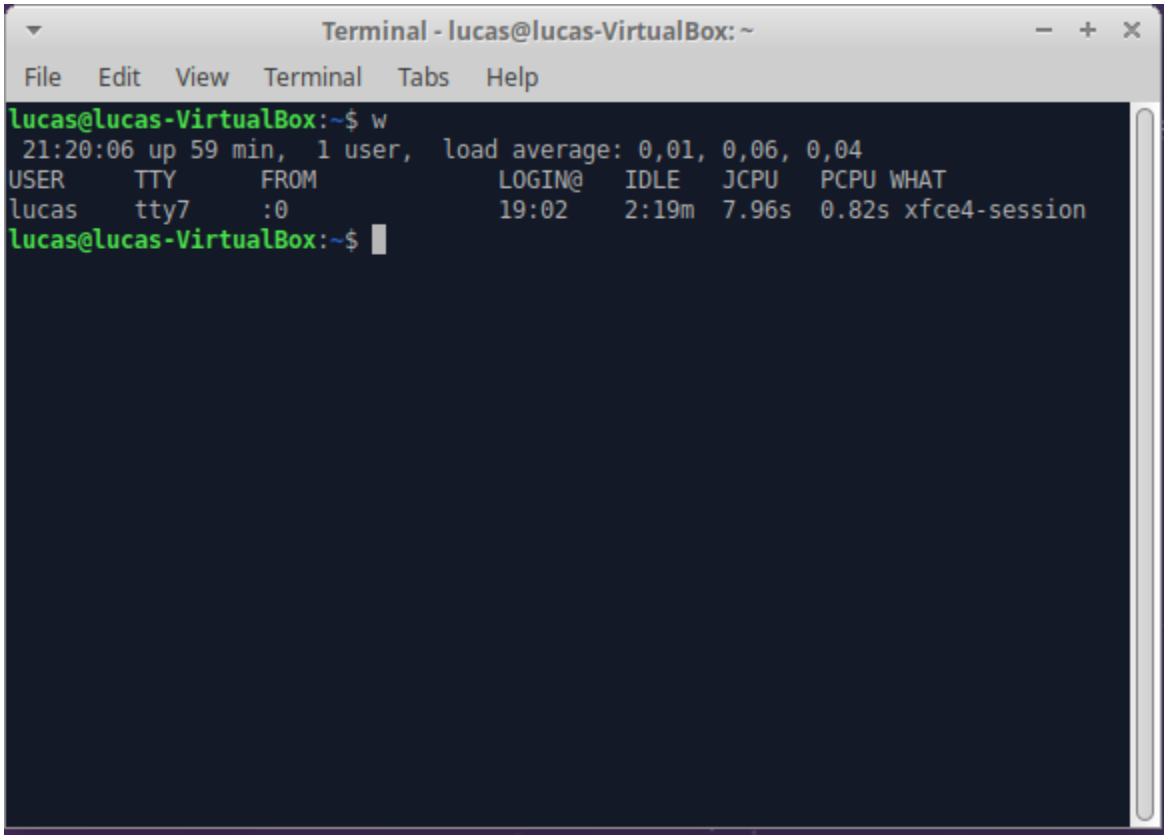


Comando: timeout

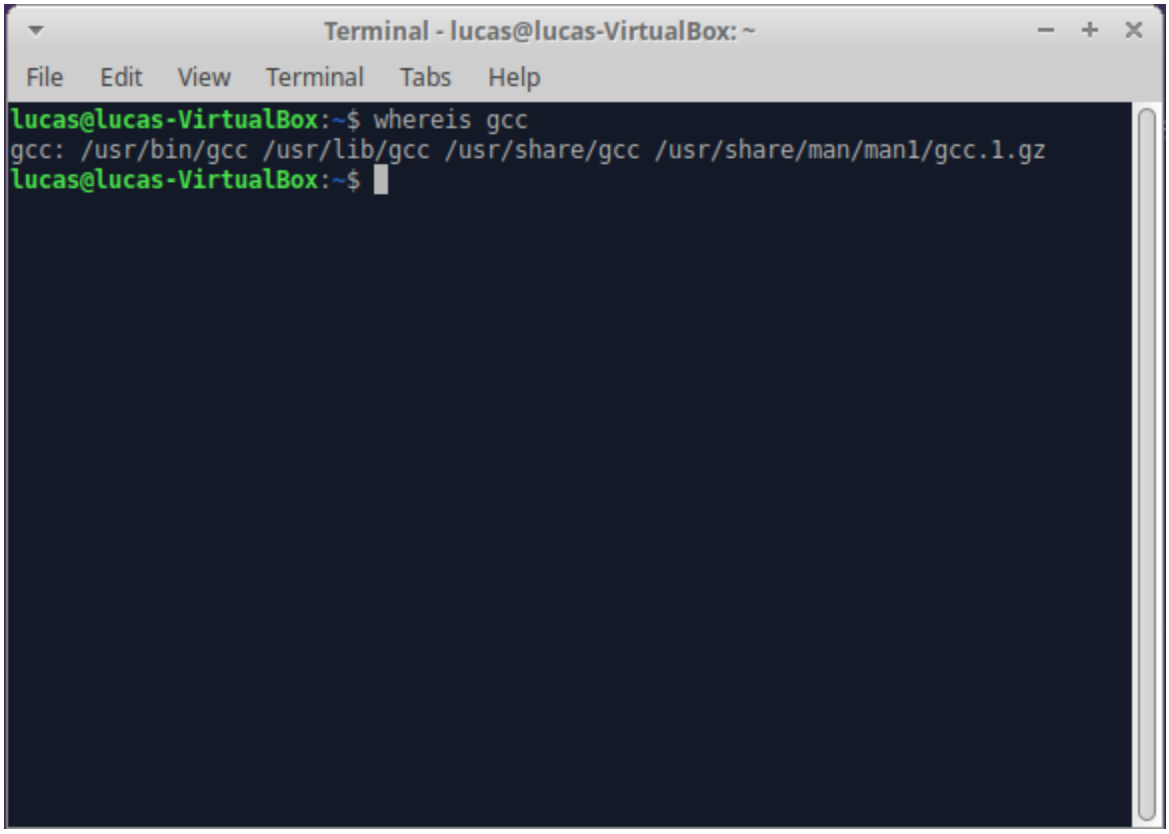
Comando: ping



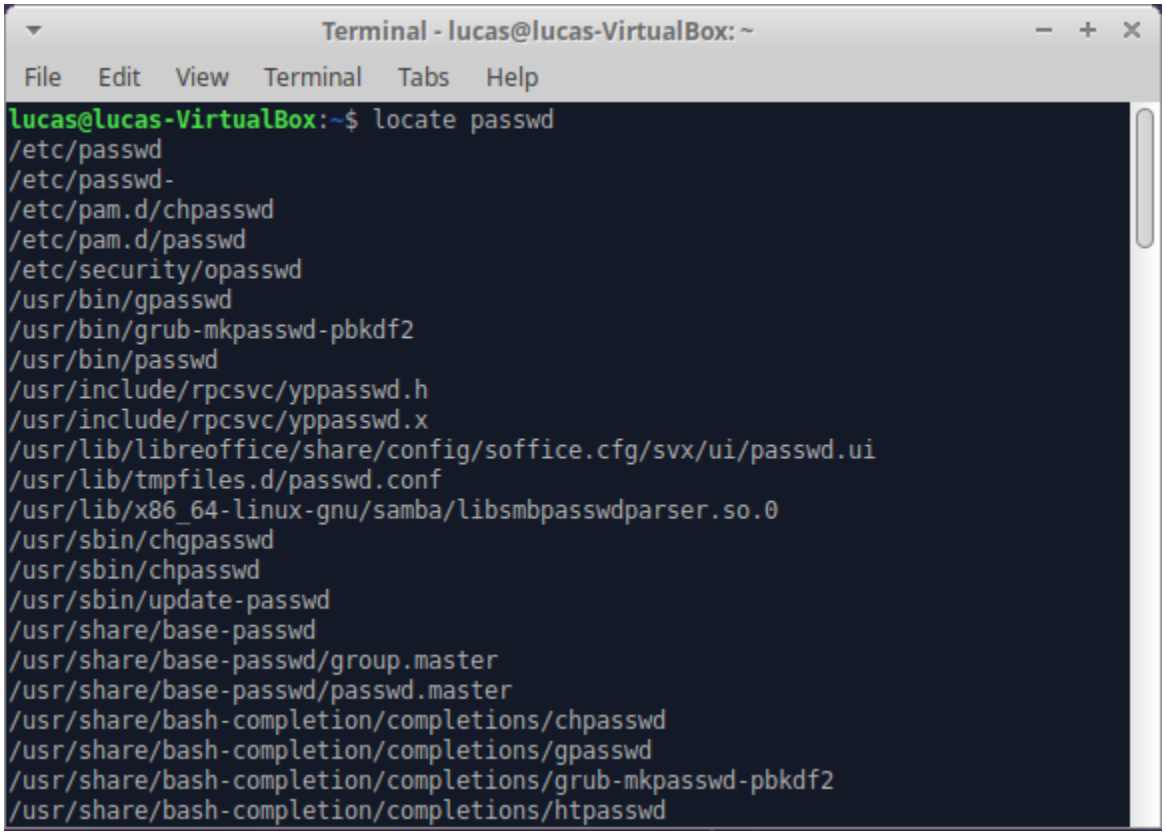
Comando: w


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ w
21:20:06 up 59 min, 1 user, load average: 0,01, 0,06, 0,04
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
lucas tty7 :0 19:02 2:19m 7.96s 0.82s xfce4-session
lucas@lucas-VirtualBox:~$

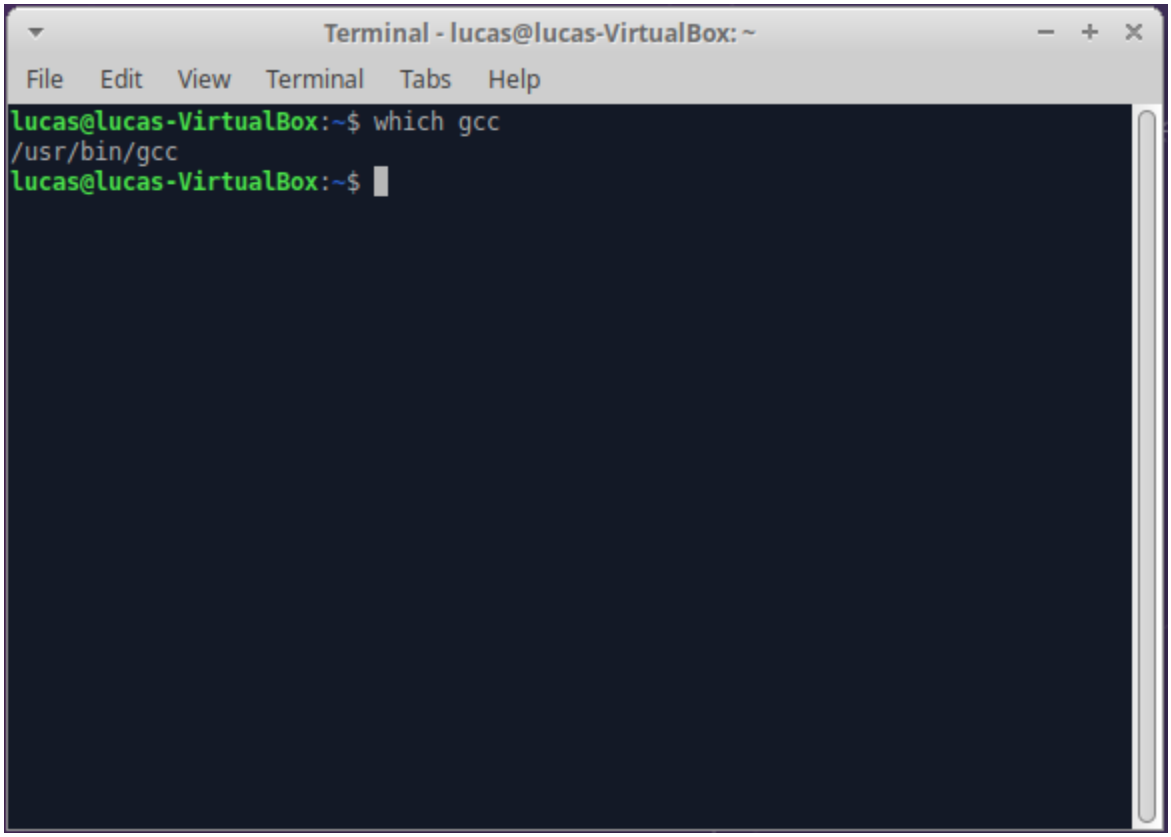
Comando: whereis gcc



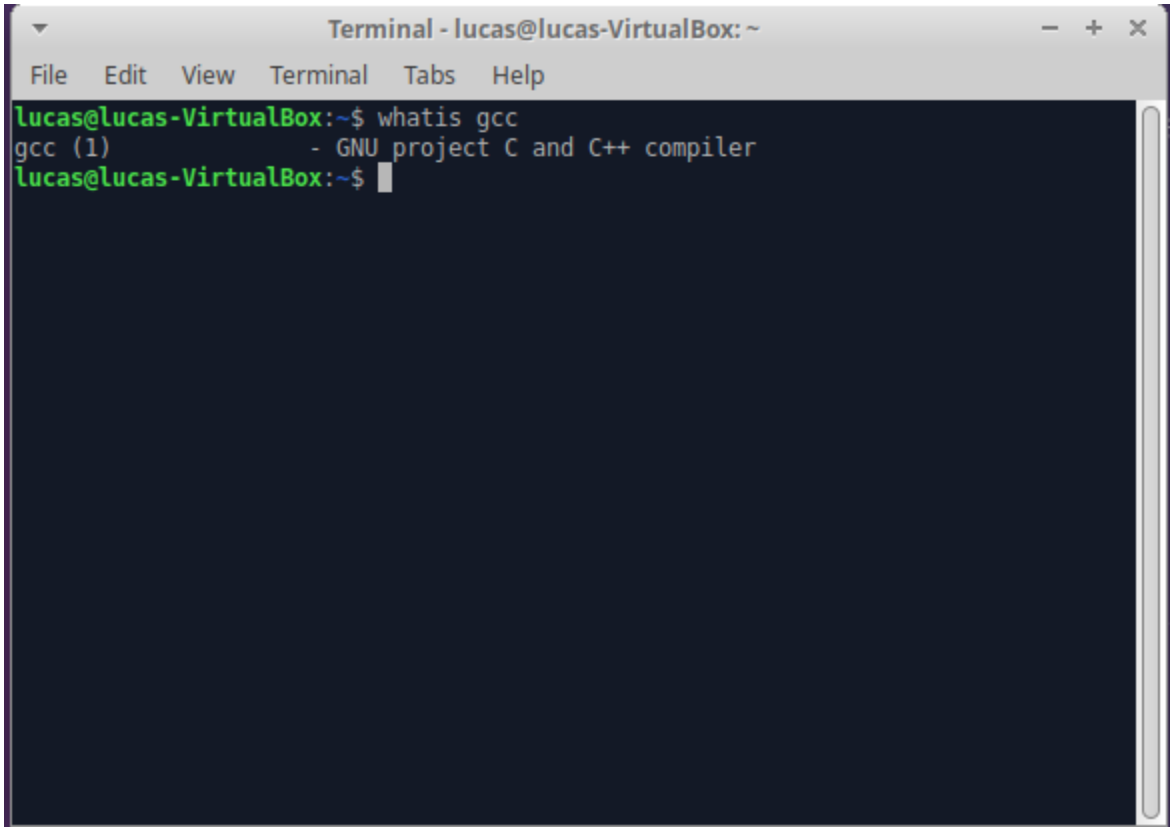
Comando: locate



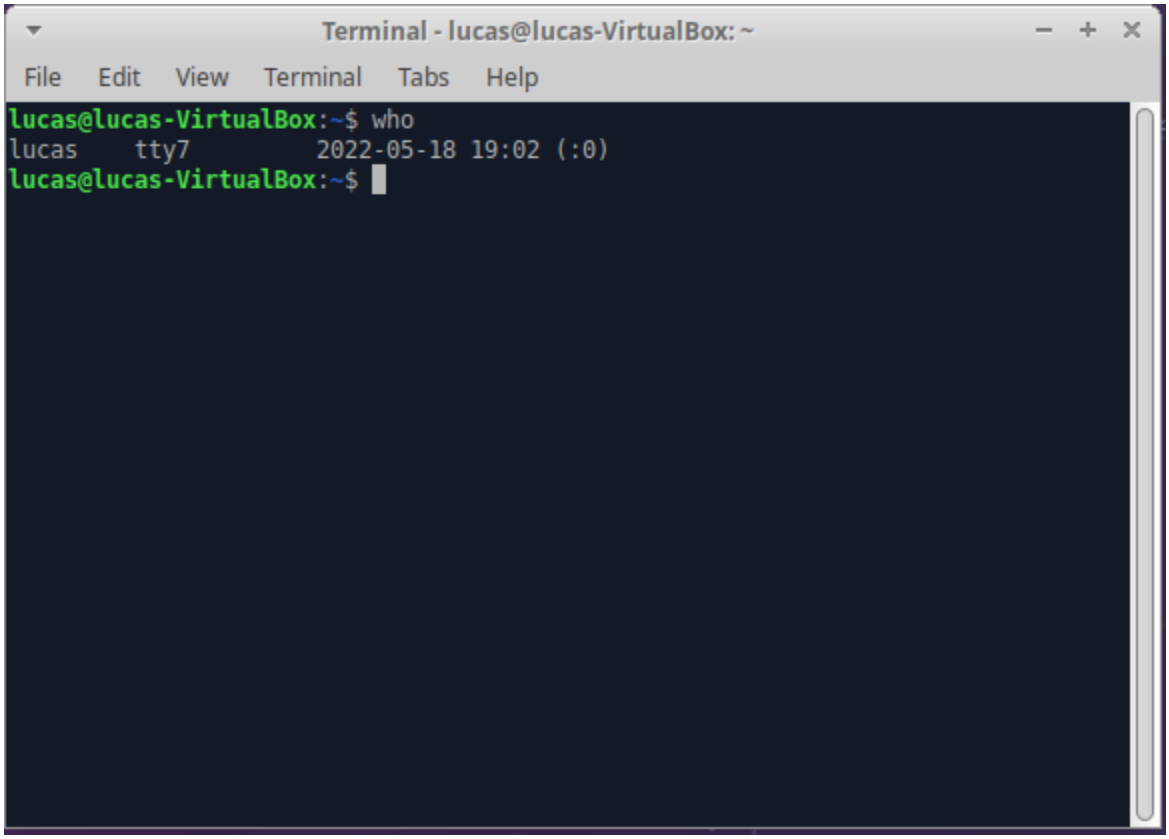
Comando: which



Comando: whatis

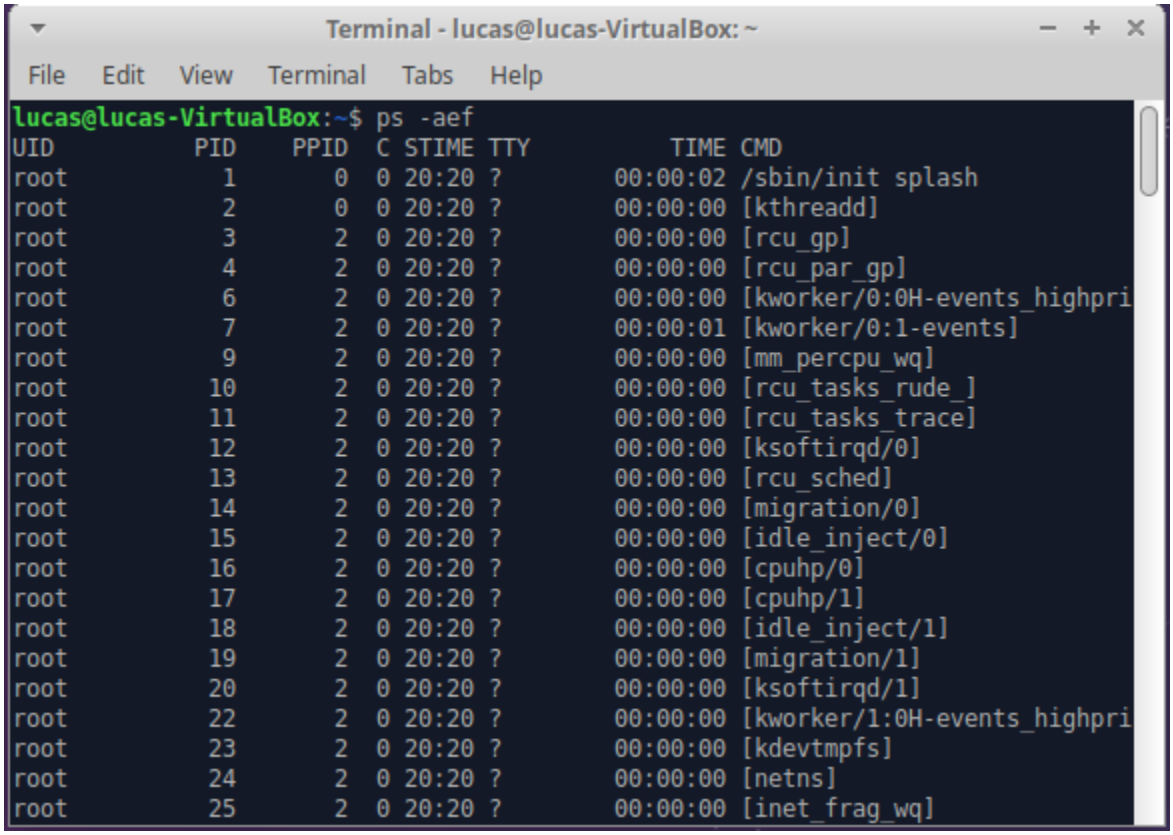


Comando: who

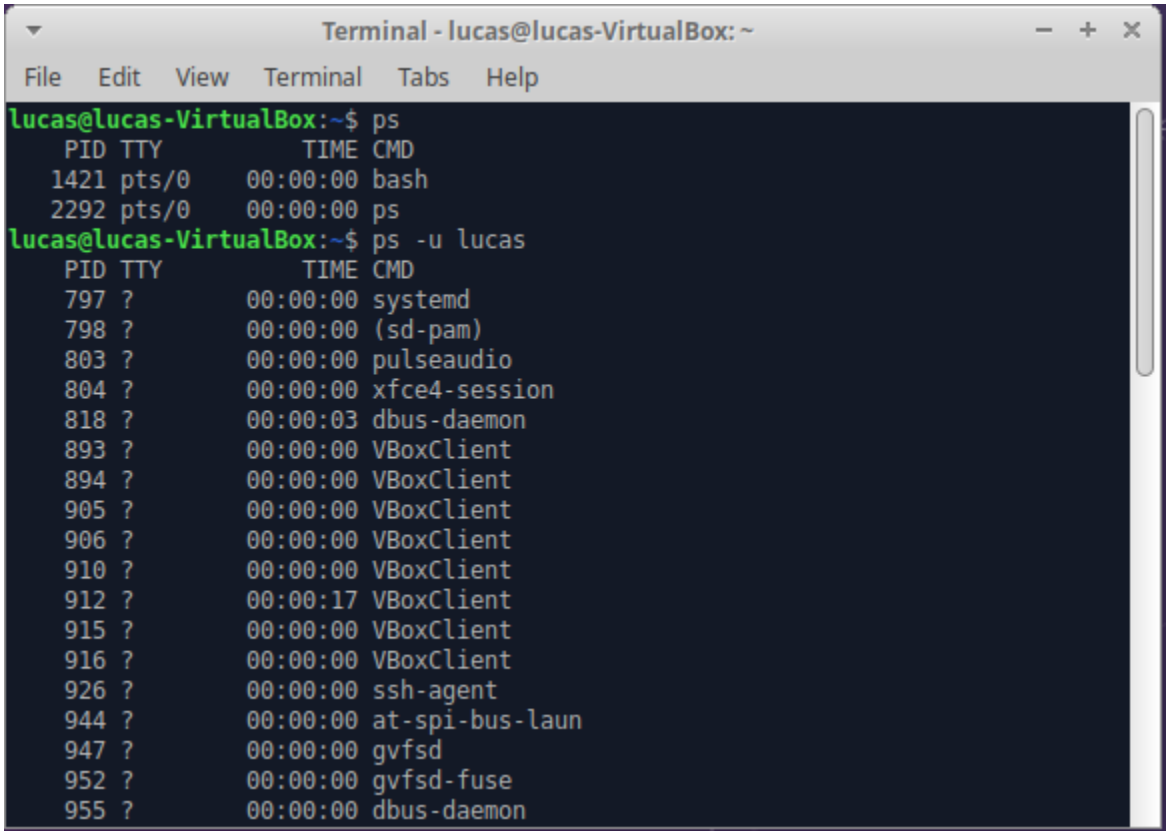

Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ who
lucas tty7 2022-05-18 19:02 (:0)
lucas@lucas-VirtualBox:~$

Capítulo 6

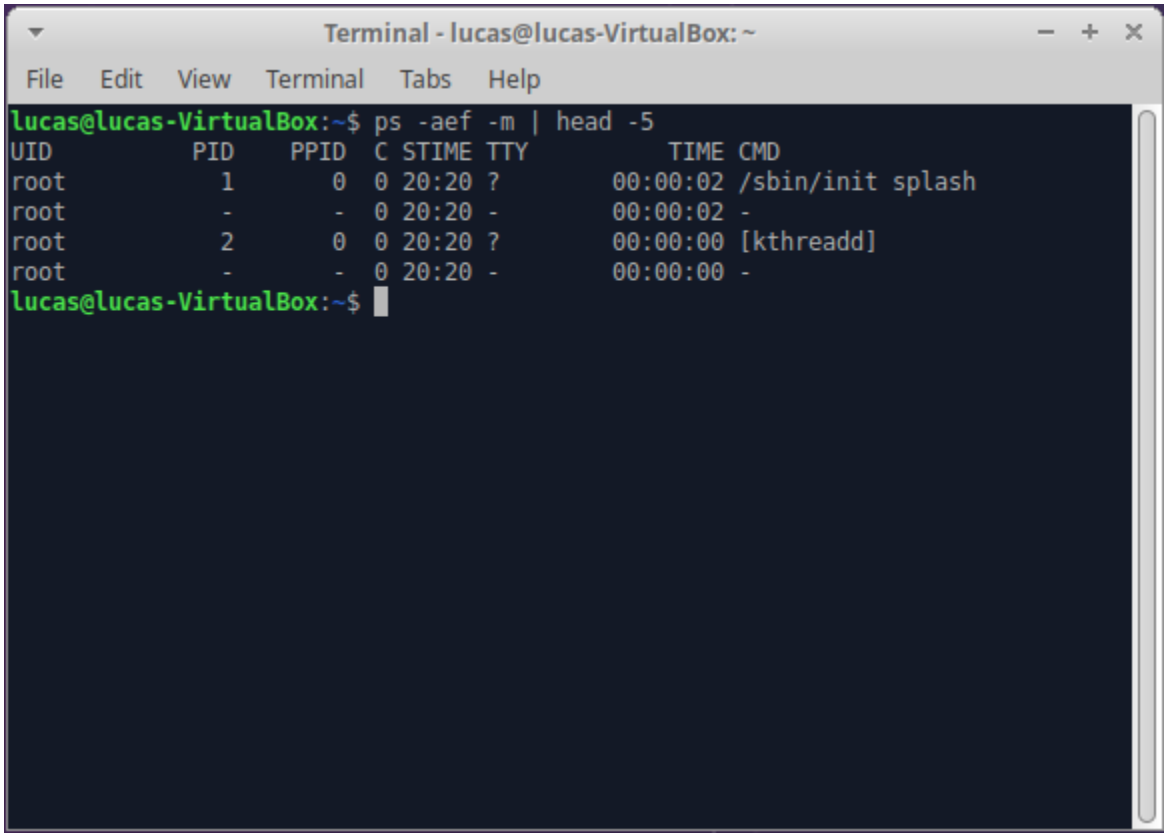
Comando: ps -aef



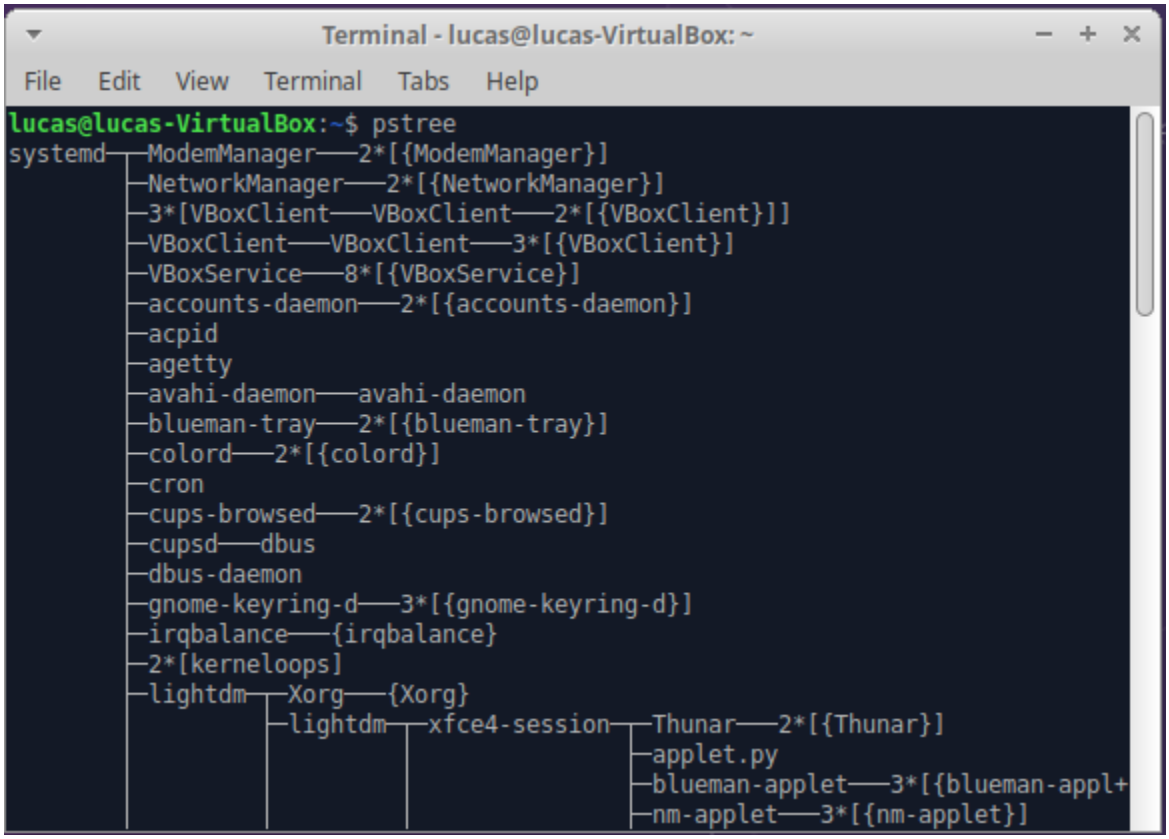
Comando: ps


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~$ ps
PID TTY TIME CMD
1421 pts/0 00:00:00 bash
2292 pts/0 00:00:00 ps
lucas@lucas-VirtualBox:~$ ps -u lucas
PID TTY TIME CMD
797 ? 00:00:00 systemd
798 ? 00:00:00 (sd-pam)
803 ? 00:00:00 pulseaudio
804 ? 00:00:00 xfce4-session
818 ? 00:00:03 dbus-daemon
893 ? 00:00:00 VBoxClient
894 ? 00:00:00 VBoxClient
905 ? 00:00:00 VBoxClient
906 ? 00:00:00 VBoxClient
910 ? 00:00:00 VBoxClient
912 ? 00:00:17 VBoxClient
915 ? 00:00:00 VBoxClient
916 ? 00:00:00 VBoxClient
926 ? 00:00:00 ssh-agent
944 ? 00:00:00 at-spi-bus-laun
947 ? 00:00:00 gvfsd
952 ? 00:00:00 gvfsd-fuse
955 ? 00:00:00 dbus-daemon

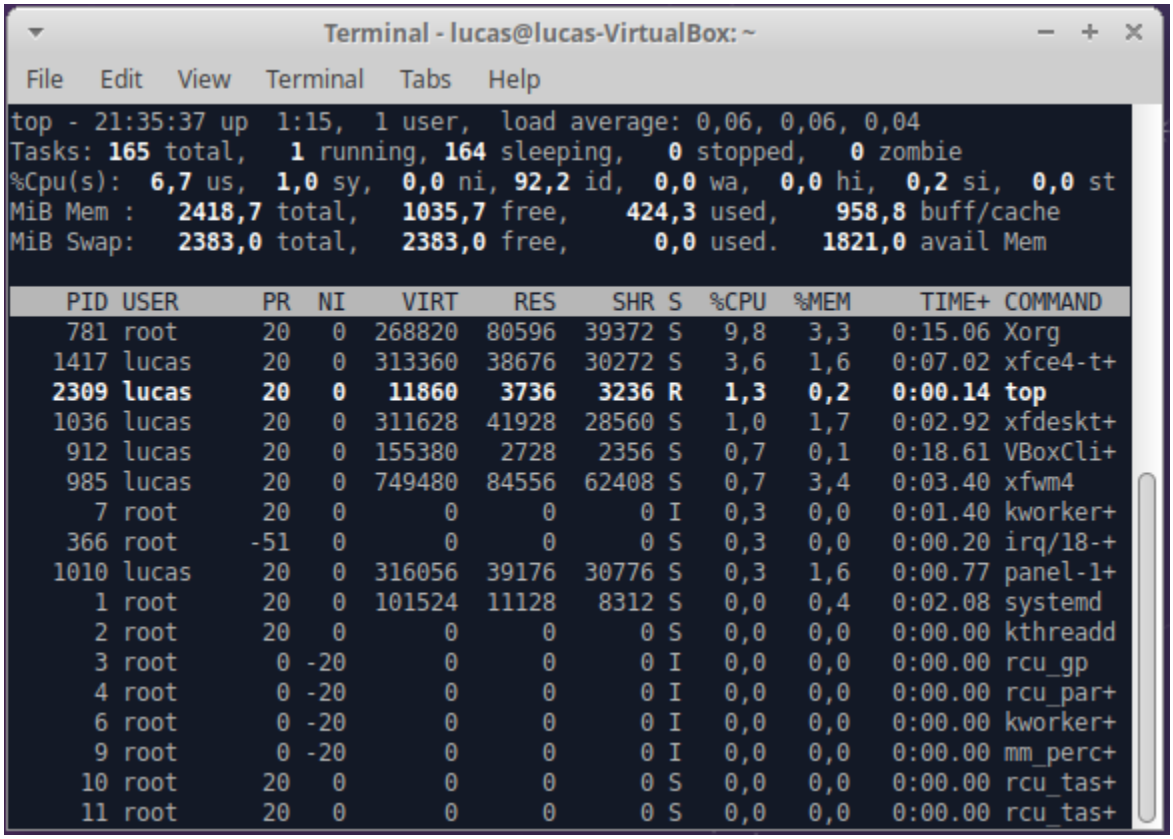
Comando: ps -m | head -5



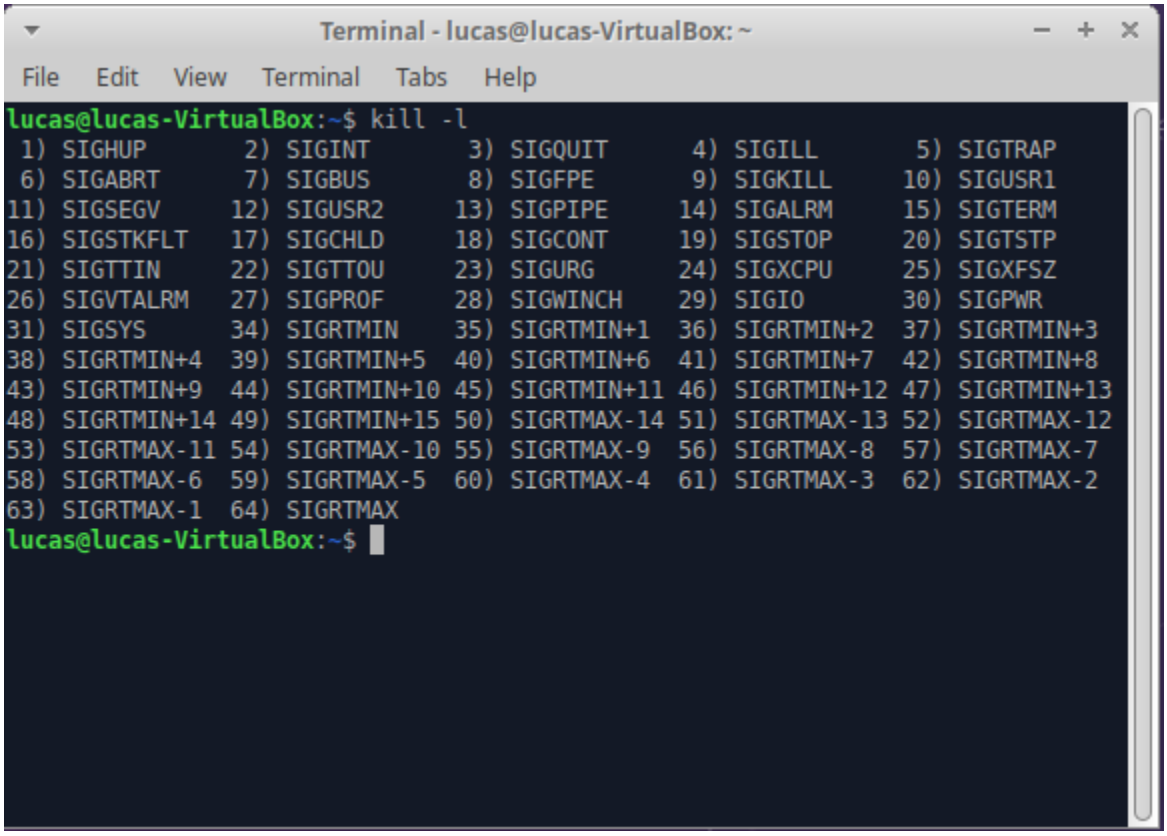
Comando: pstree



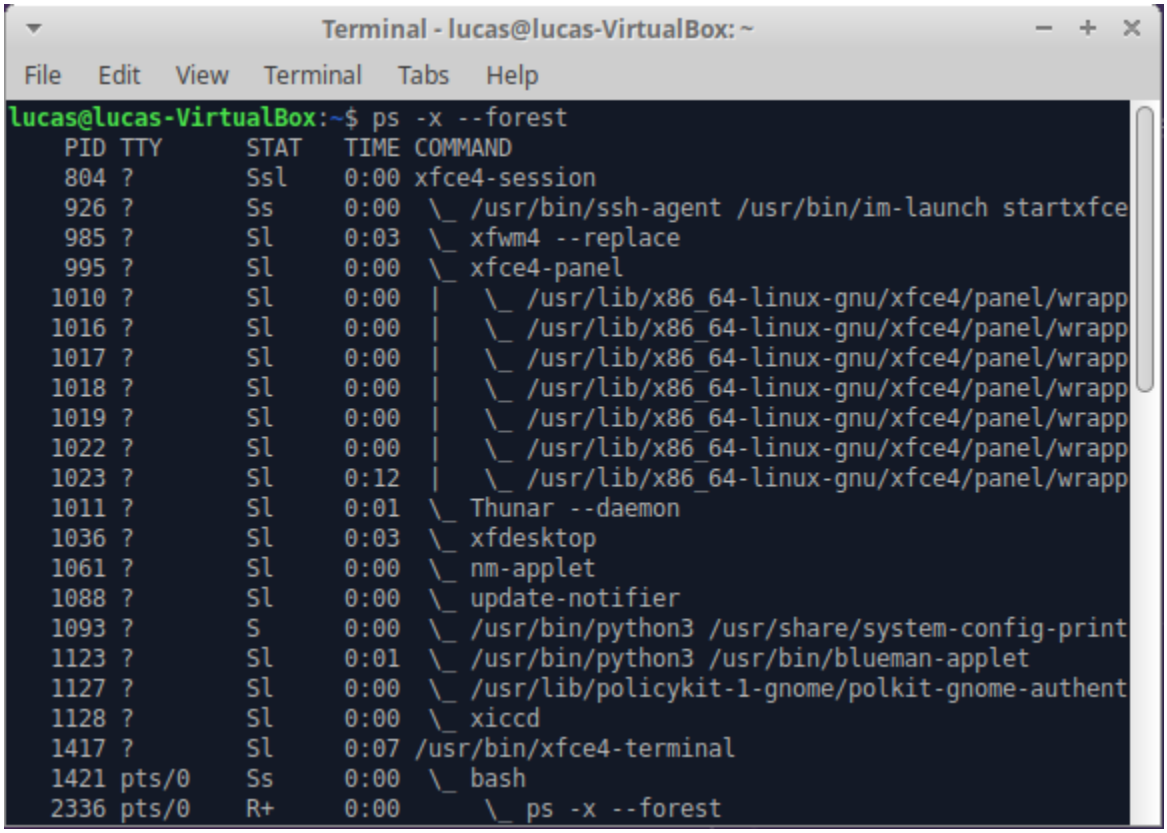
Comando: top


Terminal - lucas@lucas-VirtualBox: ~
File Edit View Terminal Tabs Help
top - 21:35:37 up 1:15, 1 user, load average: 0,06, 0,06, 0,04
Tasks: 165 total, 1 running, 164 sleeping, 0 stopped, 0 zombie
%Cpu(s): 6,7 us, 1,0 sy, 0,0 ni, 92,2 id, 0,0 wa, 0,0 hi, 0,2 si, 0,0 st
MiB Mem : 2418,7 total, 1035,7 free, 424,3 used, 958,8 buff/cache
MiB Swap: 2383,0 total, 2383,0 free, 0,0 used. 1821,0 avail Mem
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
781 root 20 0 268820 80596 39372 S 9,8 3,3 0:15.06 Xorg
1417 lucas 20 0 313360 38676 30272 S 3,6 1,6 0:07.02 xfce4-t+
2309 lucas 20 0 11860 3736 3236 R 1,3 0,2 0:00.14 top
1036 lucas 20 0 311628 41928 28560 S 1,0 1,7 0:02.92 xfdeskt+
912 lucas 20 0 155380 2728 2356 S 0,7 0,1 0:18.61 VBoxCli+
985 lucas 20 0 749480 84556 62408 S 0,7 3,4 0:03.40 xfwm4
7 root 20 0 0 0 0 I 0,3 0,0 0:01.40 kworker+
366 root -51 0 0 0 0 S 0,3 0,0 0:00.20 irq/18-+
1010 lucas 20 0 316056 39176 30776 S 0,3 1,6 0:00.77 panel-1+
1 root 20 0 101524 11128 8312 S 0,0 0,4 0:02.08 systemd
2 root 20 0 0 0 0 S 0,0 0,0 0:00.00 kthreadd
3 root 0 -20 0 0 0 I 0,0 0,0 0:00.00 rcu_gp
4 root 0 -20 0 0 0 I 0,0 0,0 0:00.00 rcu_par+
6 root 0 -20 0 0 0 I 0,0 0,0 0:00.00 kworker+
9 root 0 -20 0 0 0 I 0,0 0,0 0:00.00 mm_perc+
10 root 20 0 0 0 0 S 0,0 0,0 0:00.00 rcu_tas+
11 root 20 0 0 0 0 S 0,0 0,0 0:00.00 rcu_tas+

Comando: kill -l

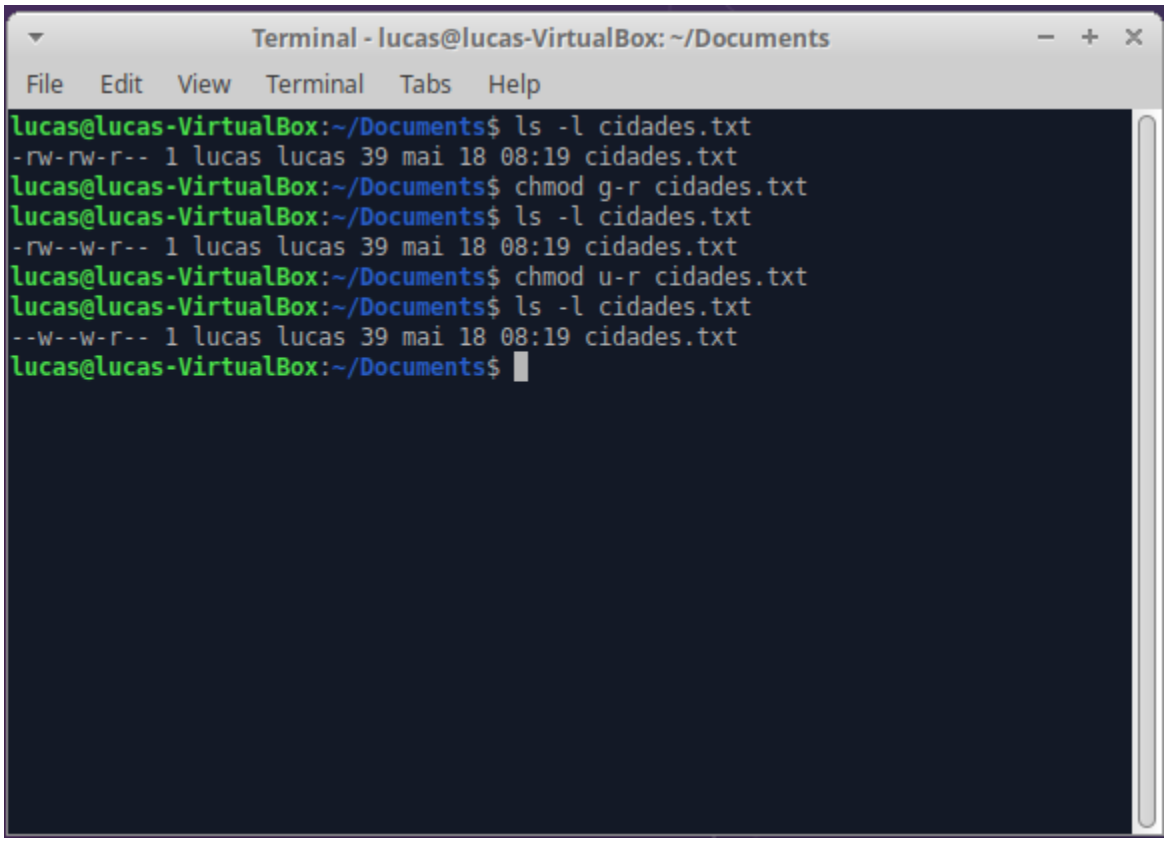


Comando: ps -x --forest

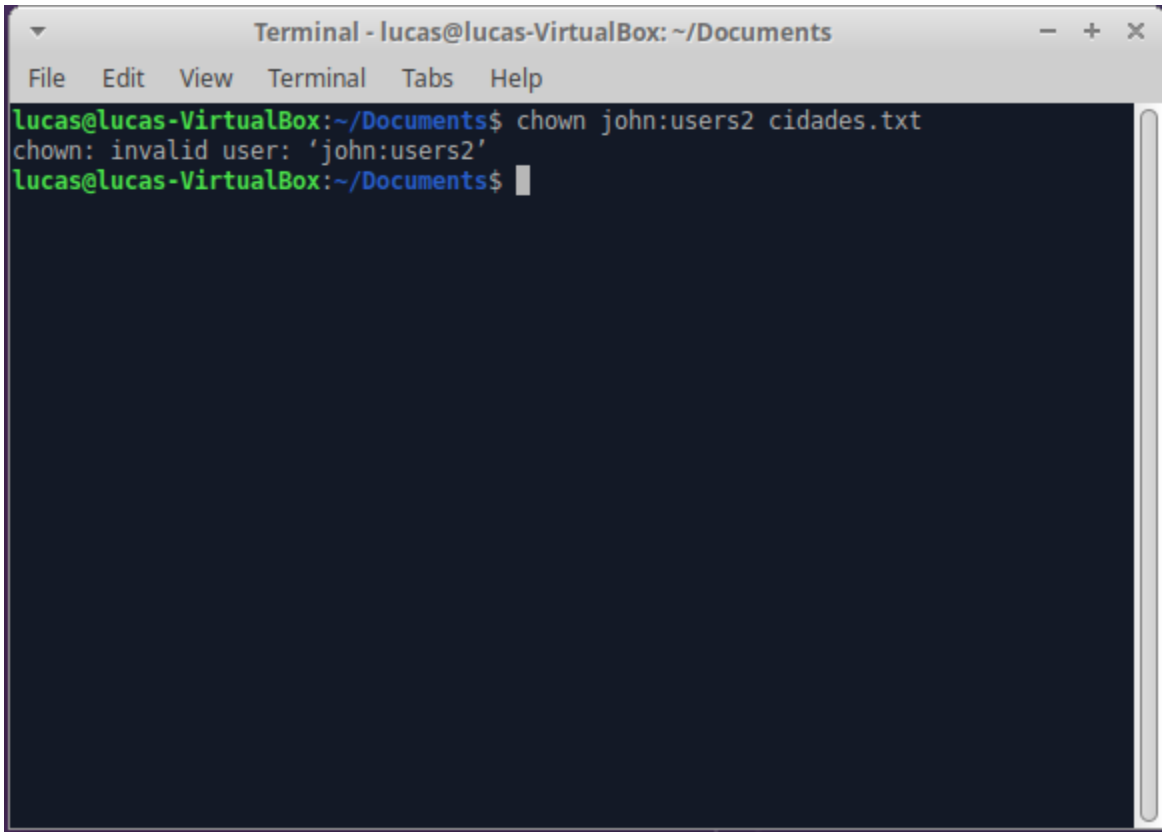


Capítulo 7

Comando: chmod

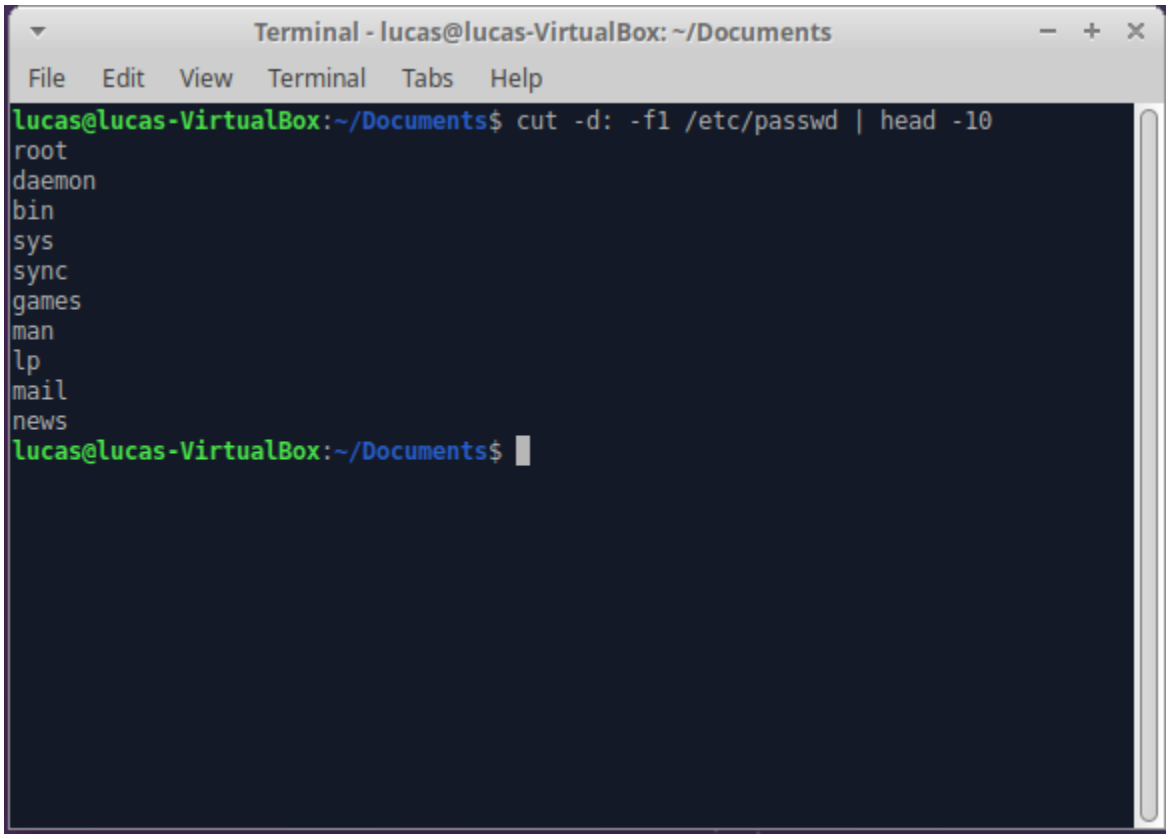


Comando: chown

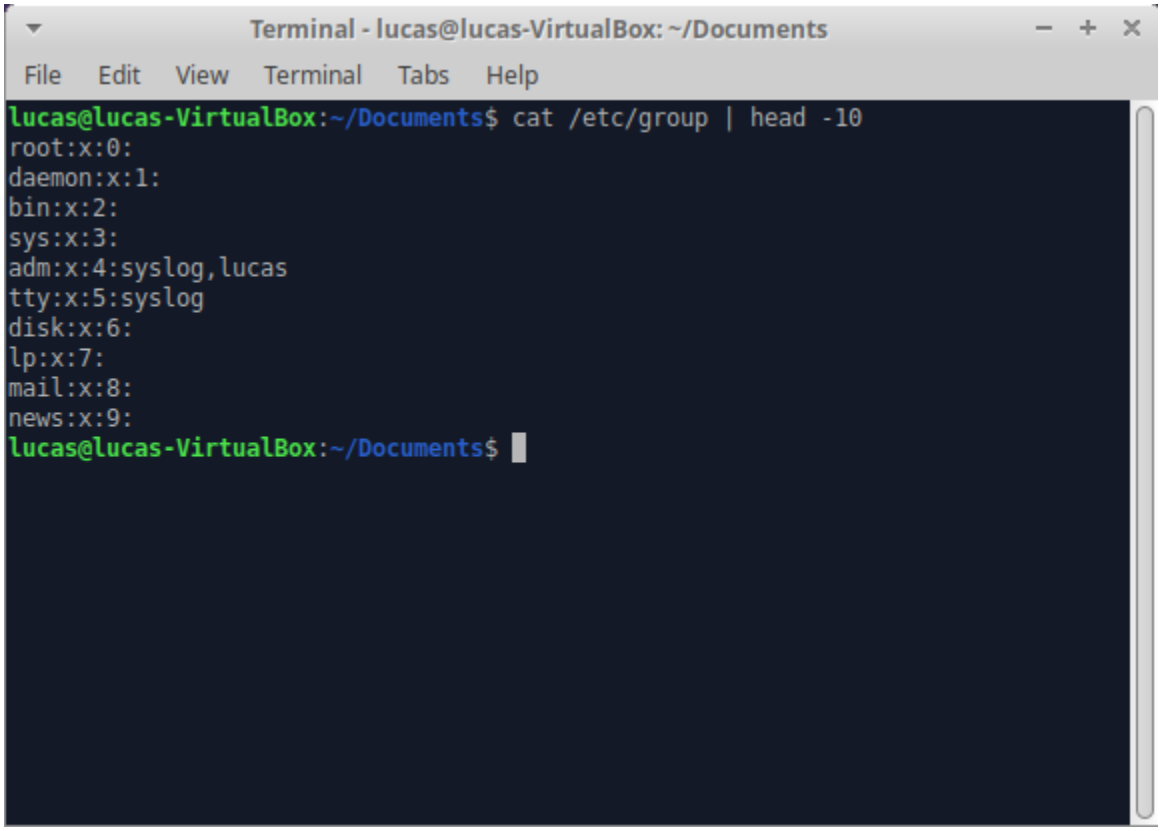


Capítulo 8

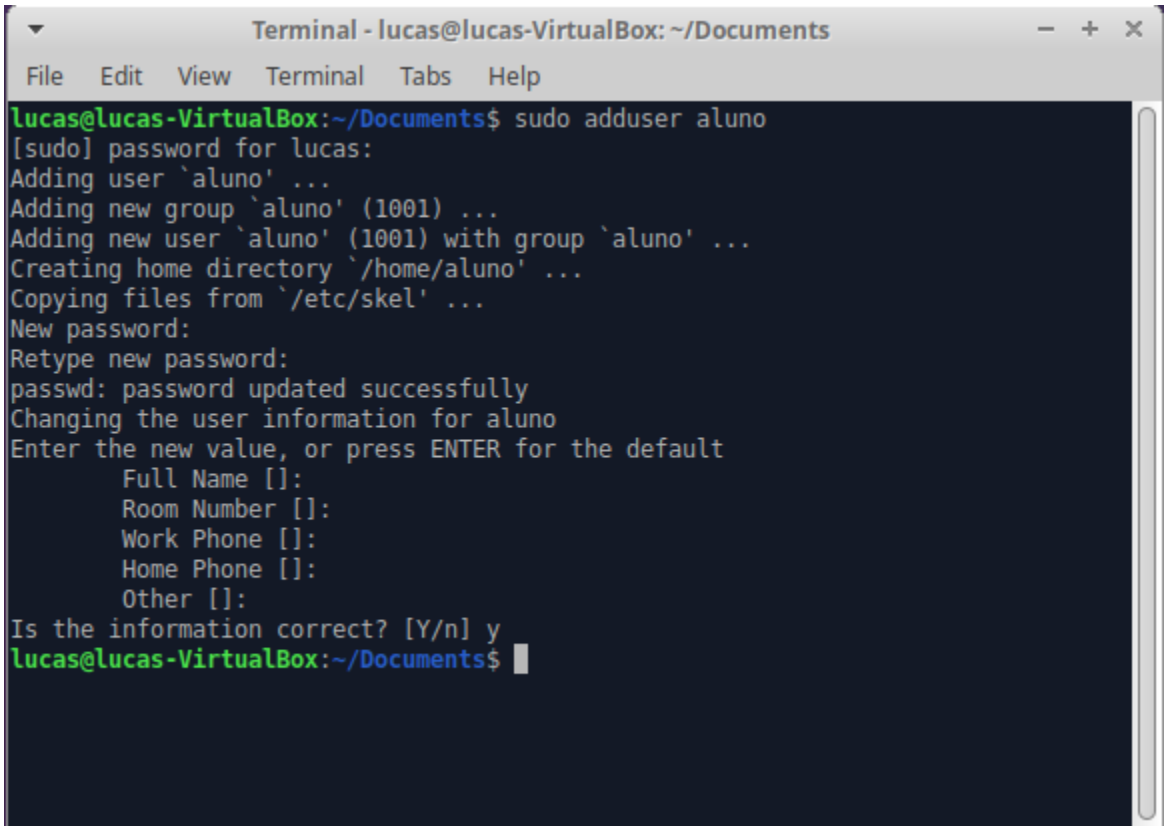
Comando: cut


Terminal - lucas@lucas-VirtualBox: ~/Documents
File Edit View Terminal Tabs Help
lucas@lucas-VirtualBox:~/Documents$ cut -d: -f1 /etc/passwd | head -10
root
daemon
bin
sys
sync
games
man
lp
mail
news
lucas@lucas-VirtualBox:~/Documents$

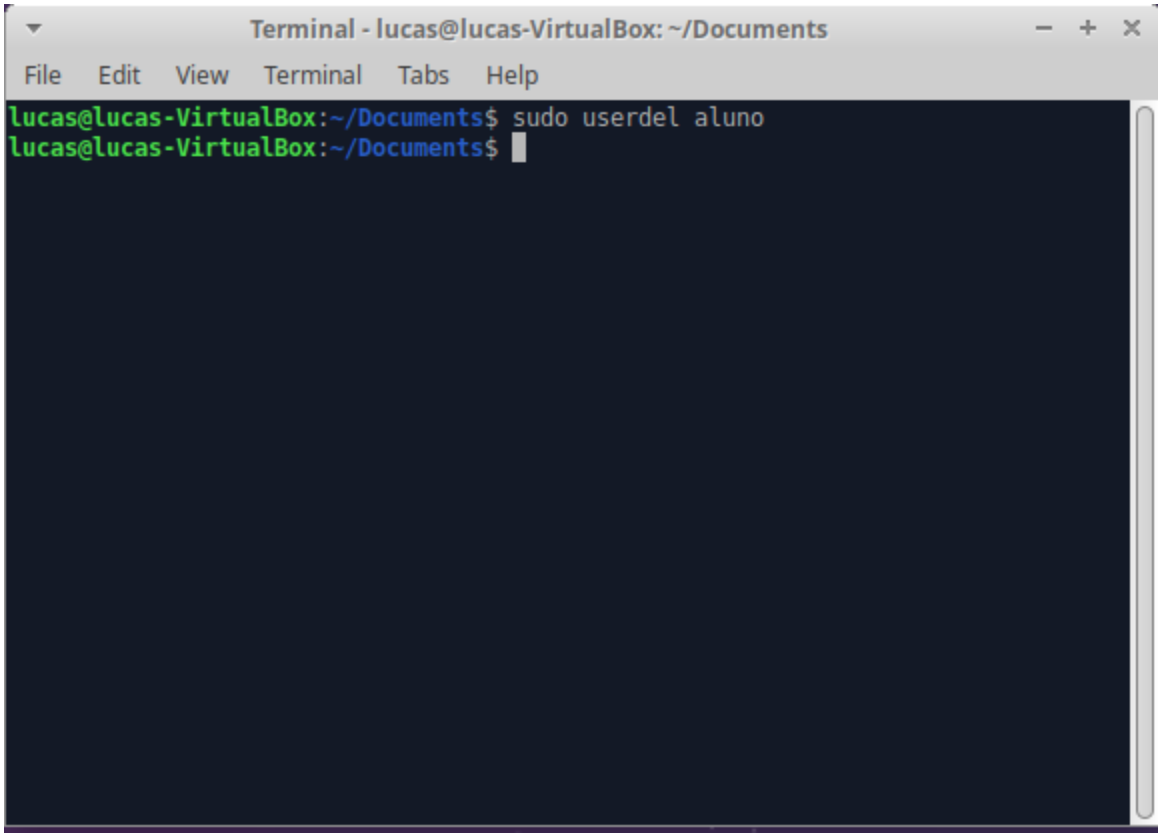
Comando: cat /etc/group | head -10



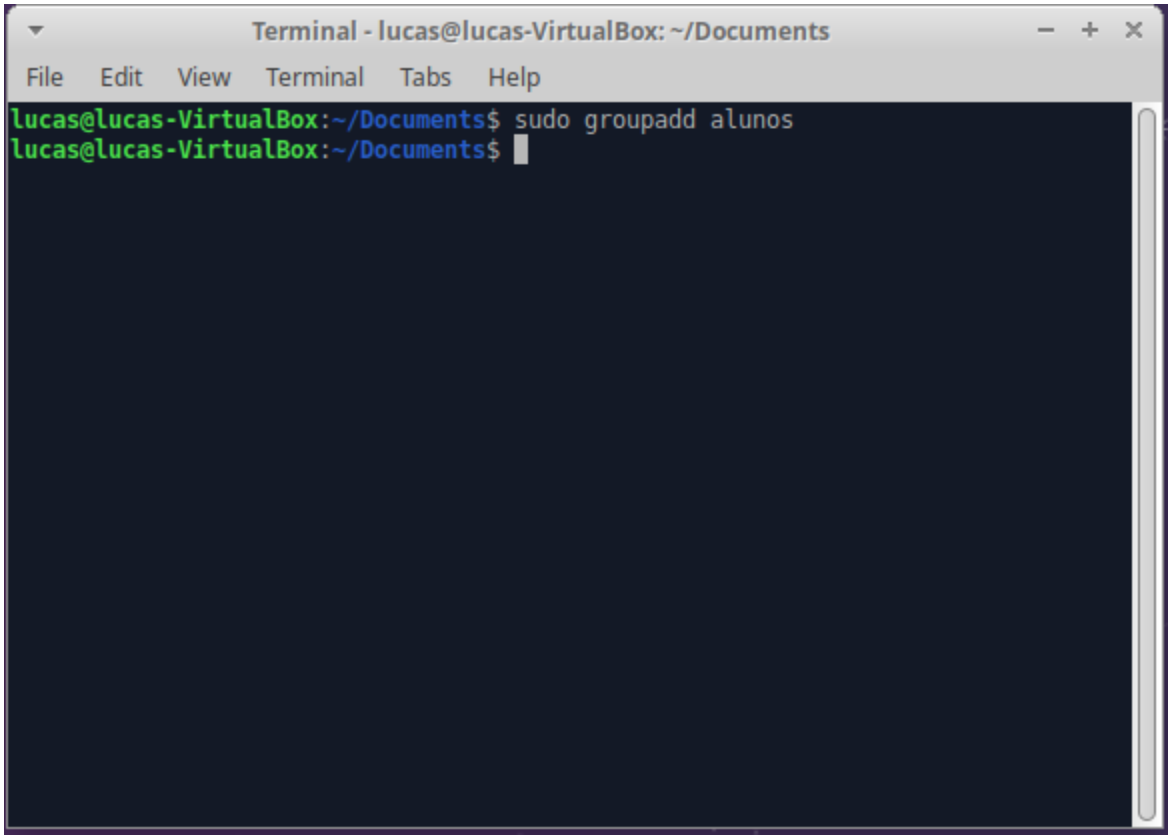
Comando: adduser



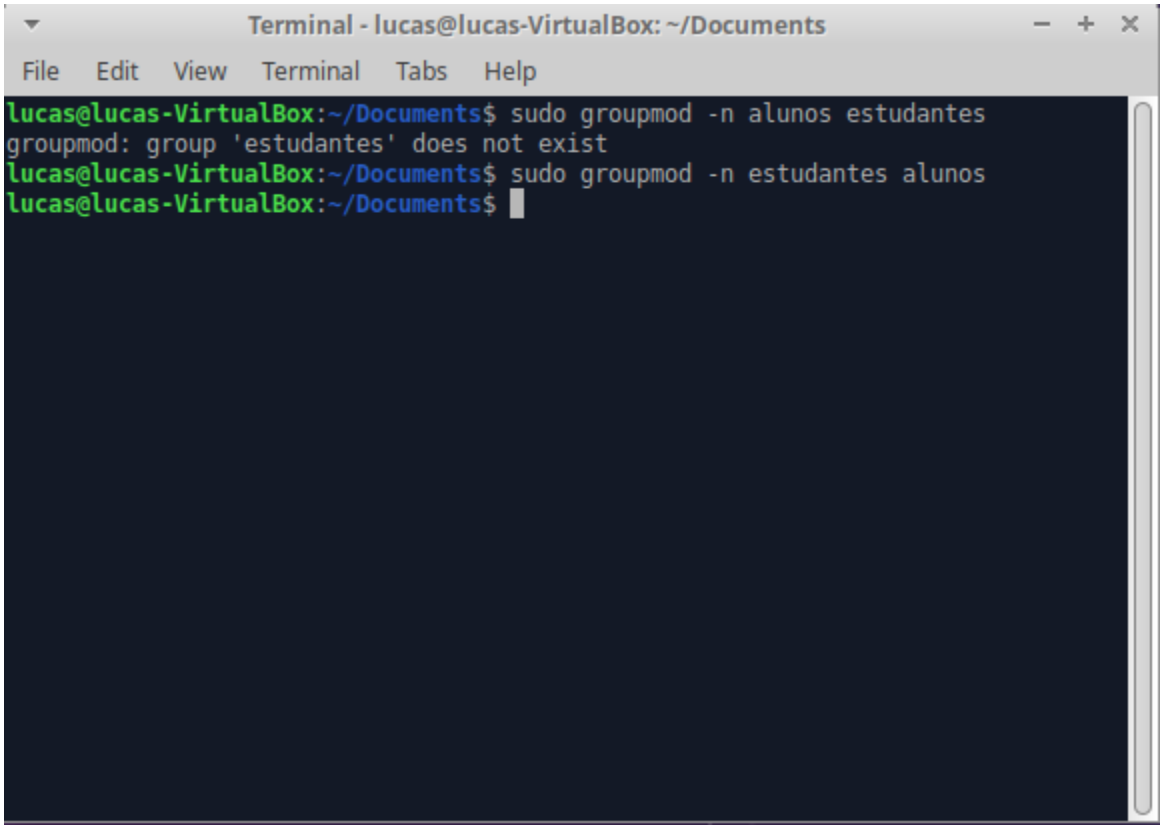
Comando: userdel



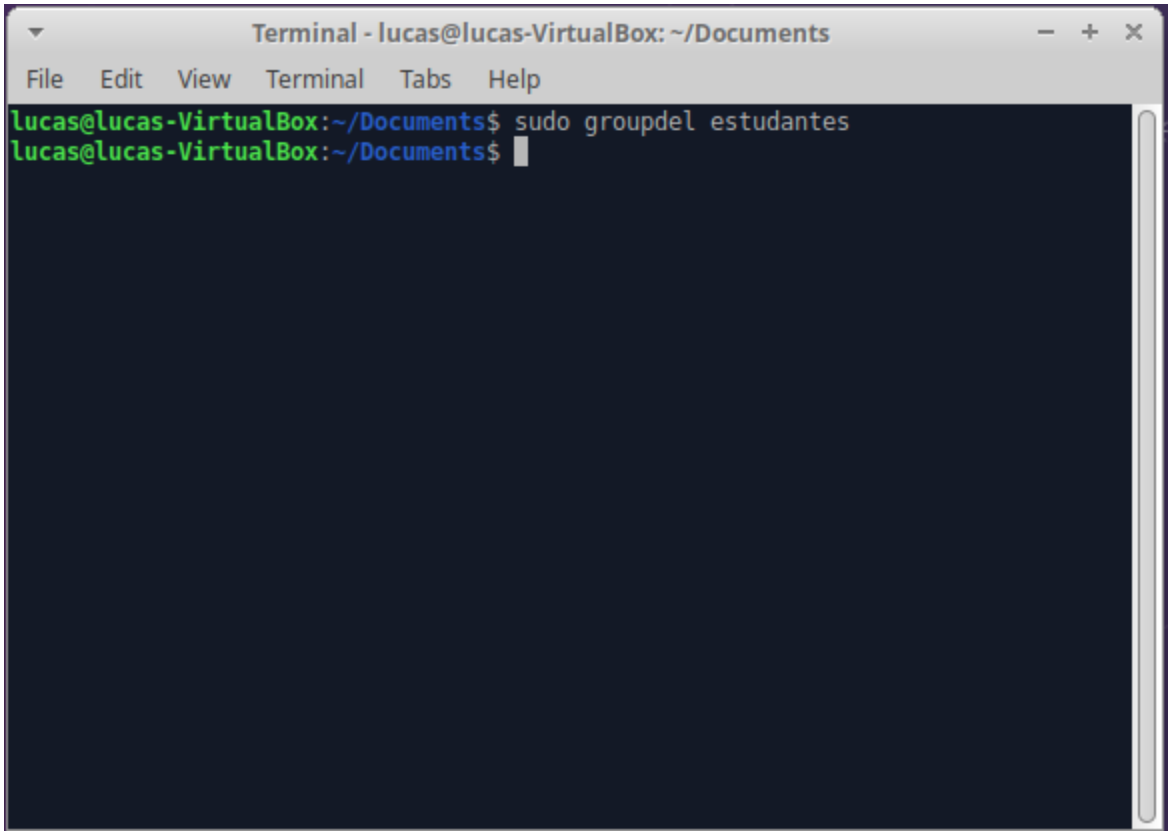
Comando: groupadd



Comando: groupmod

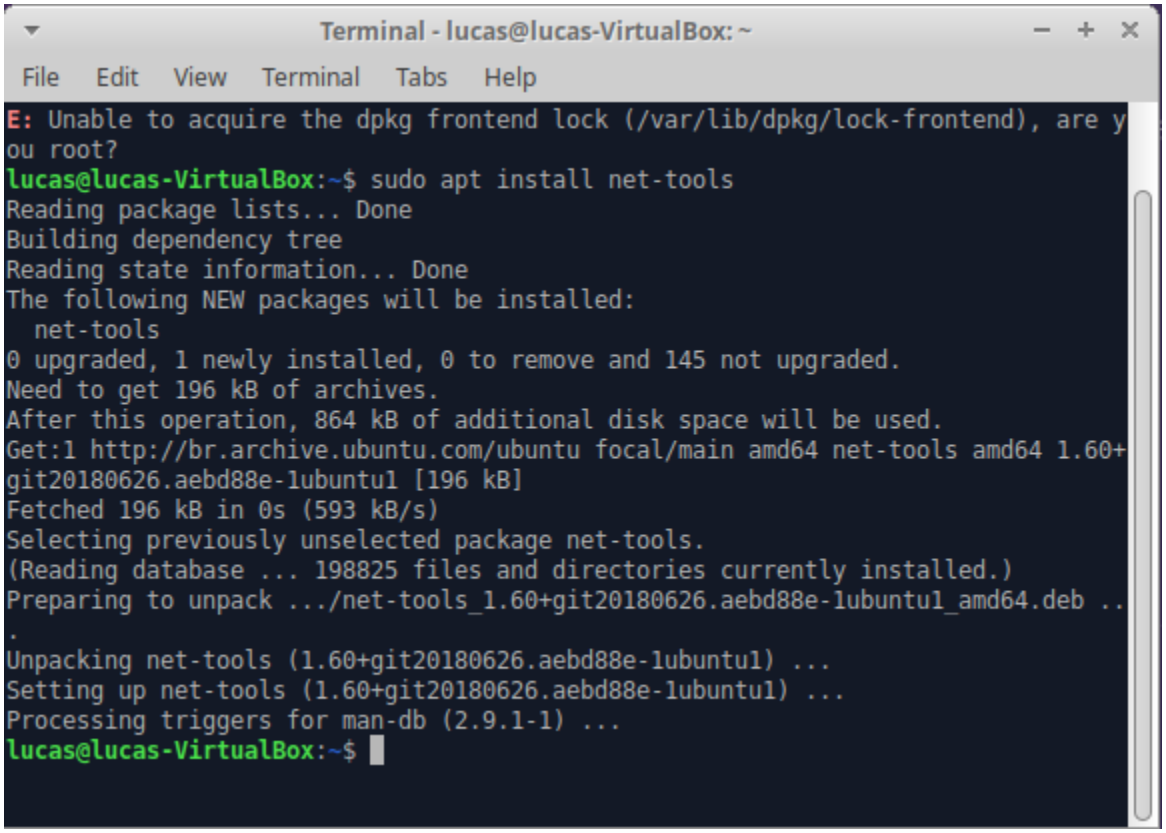


Comando: groupdel

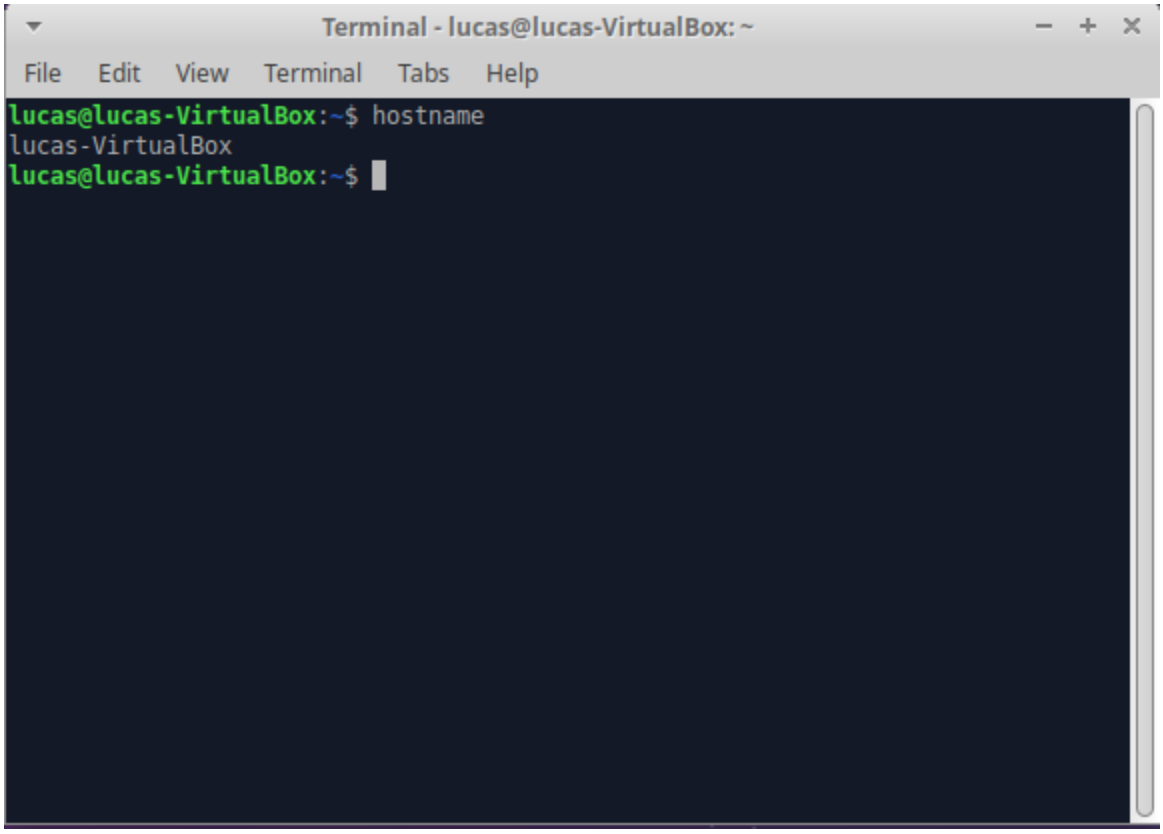


Capítulo 9

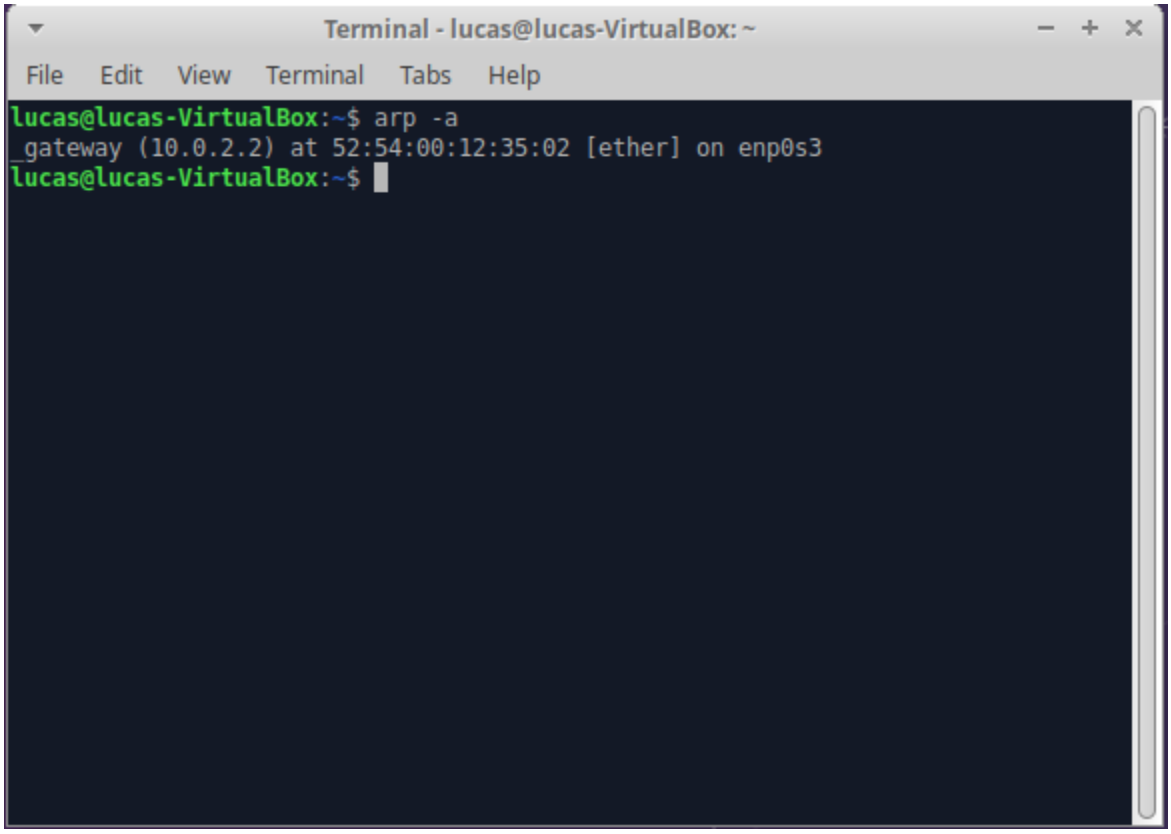
Comando: apt install net-tools



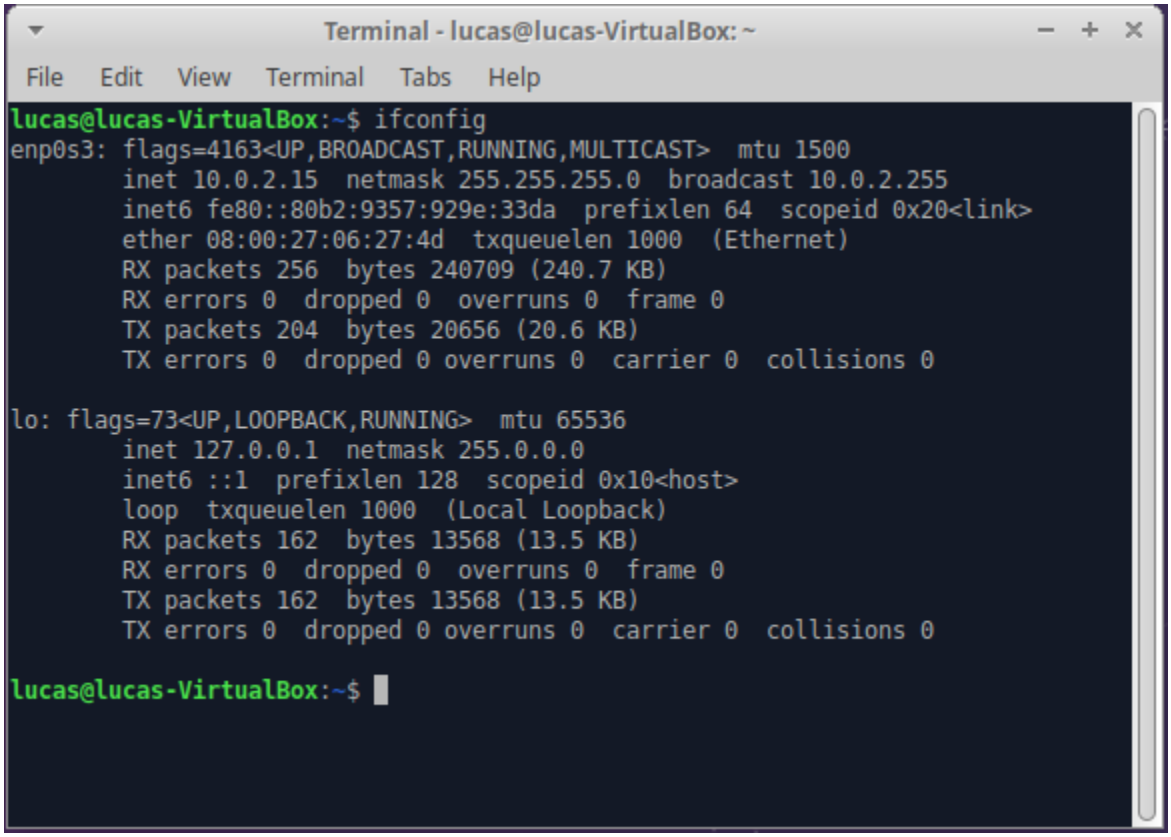
Comando: hostname



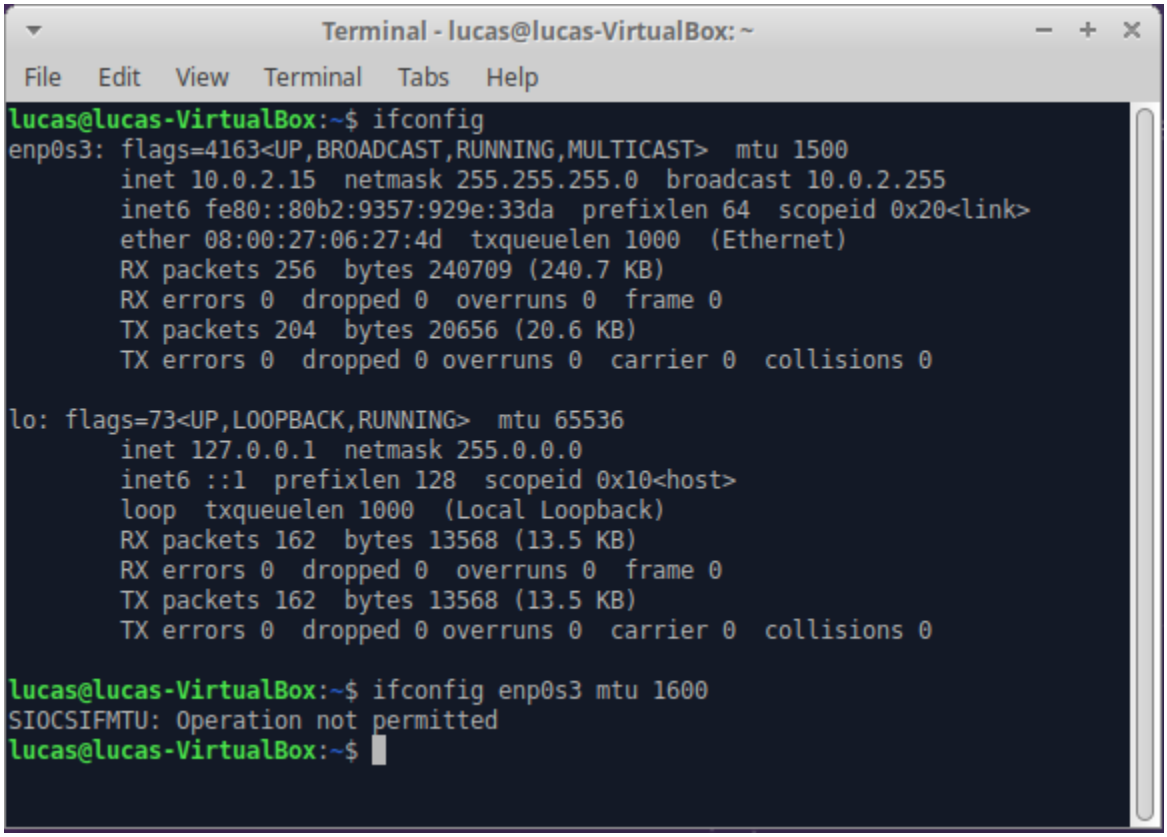
Comando: arp -a



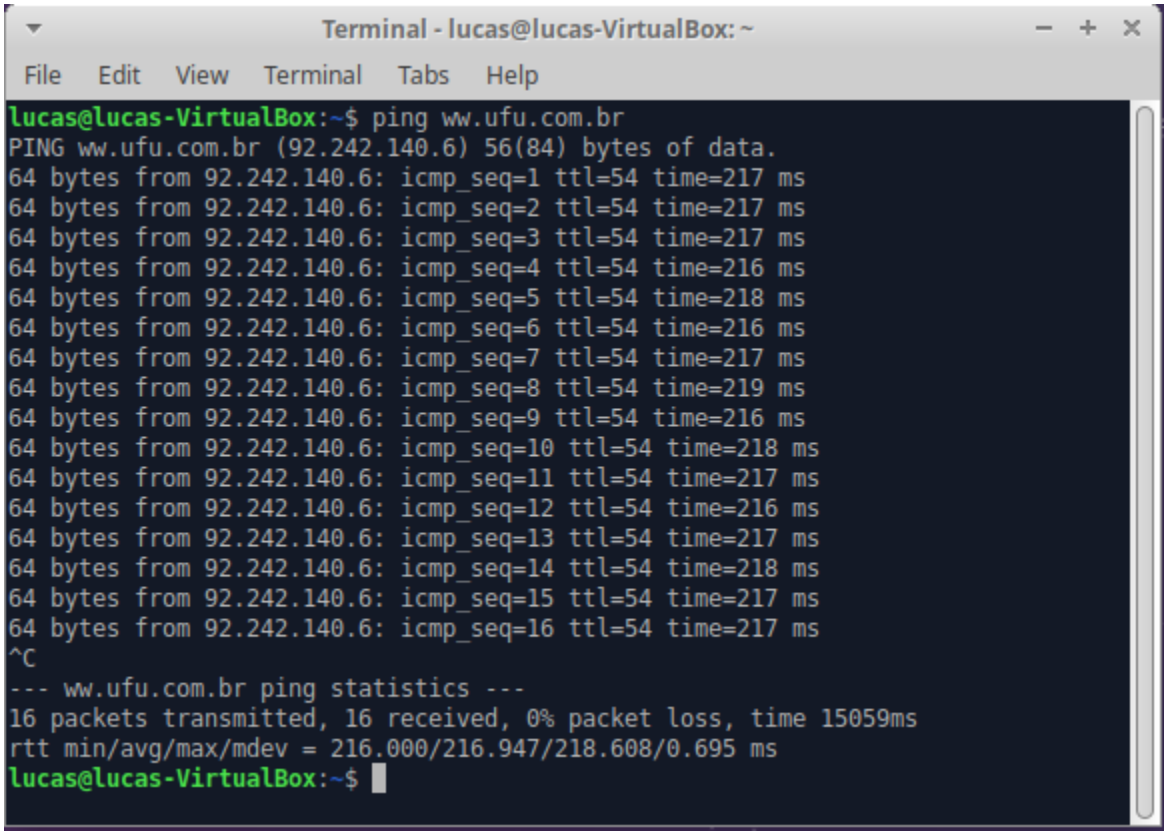
Comando: ifconfig



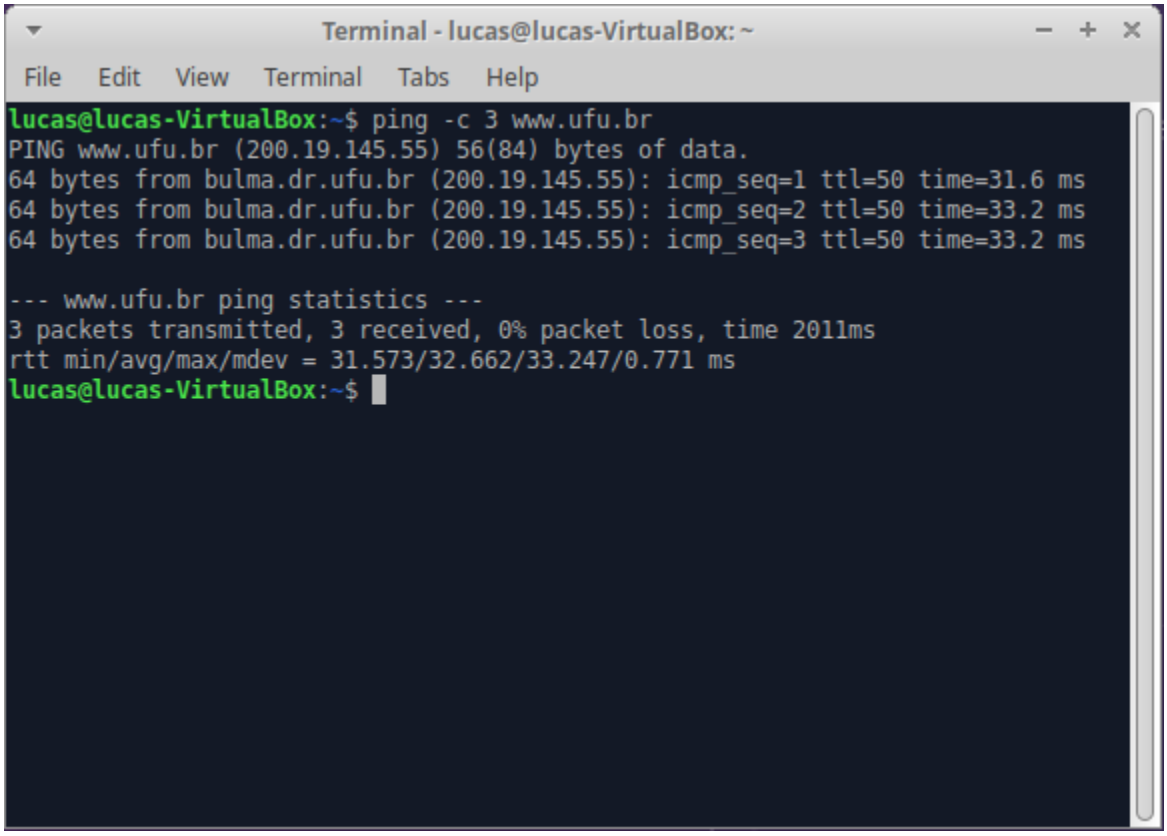
Comando: ifconfig mtu



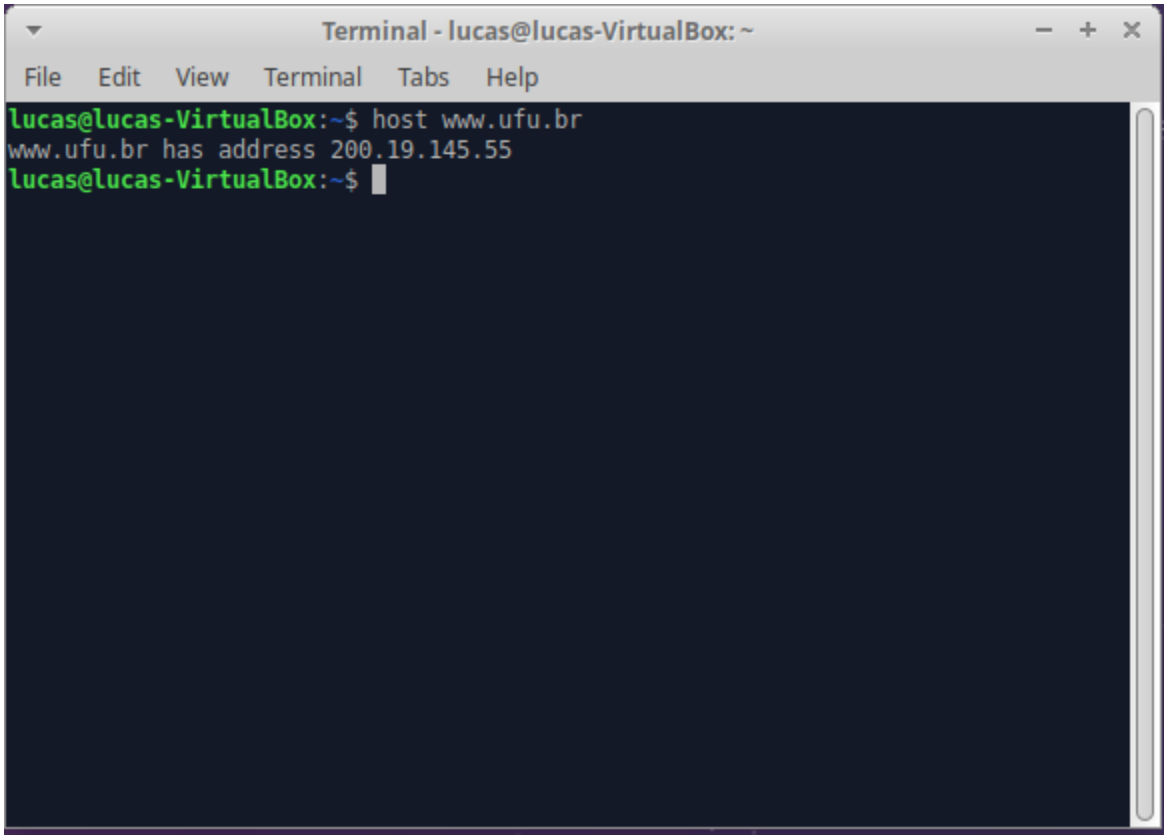
Comando: ping



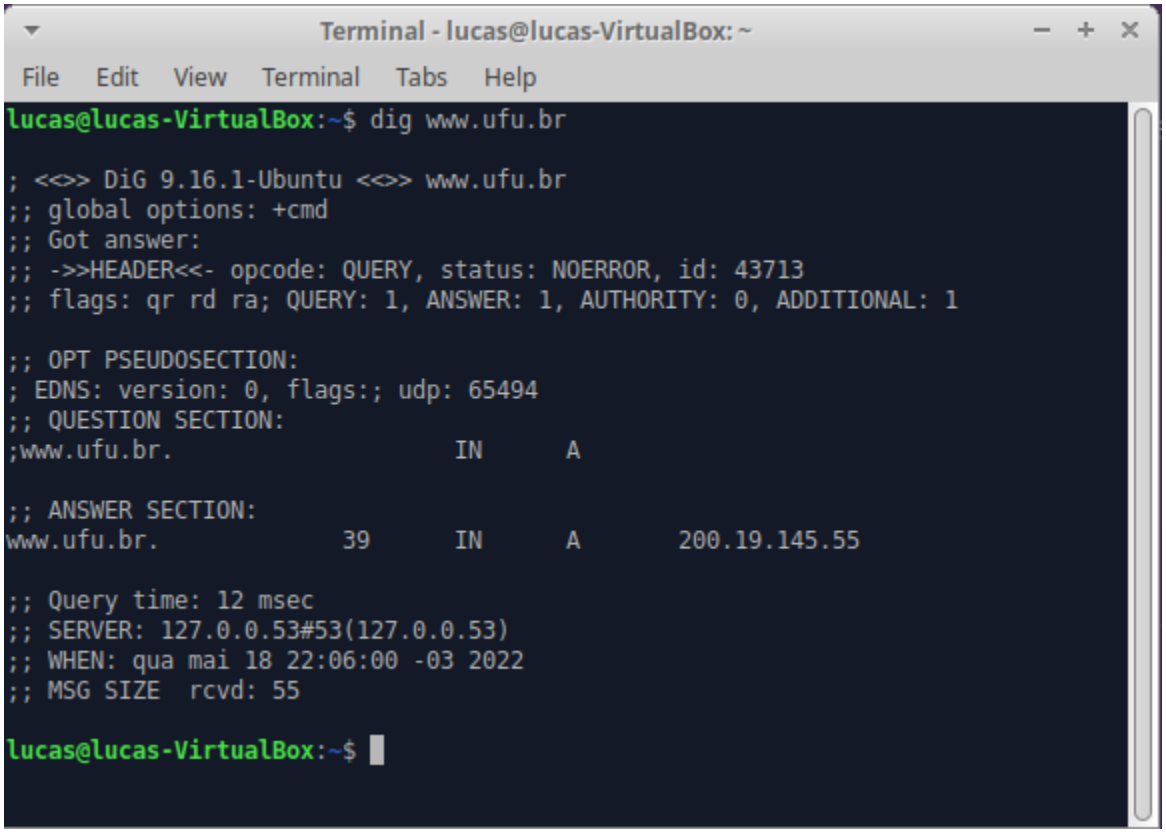
Comando: ping -c 3



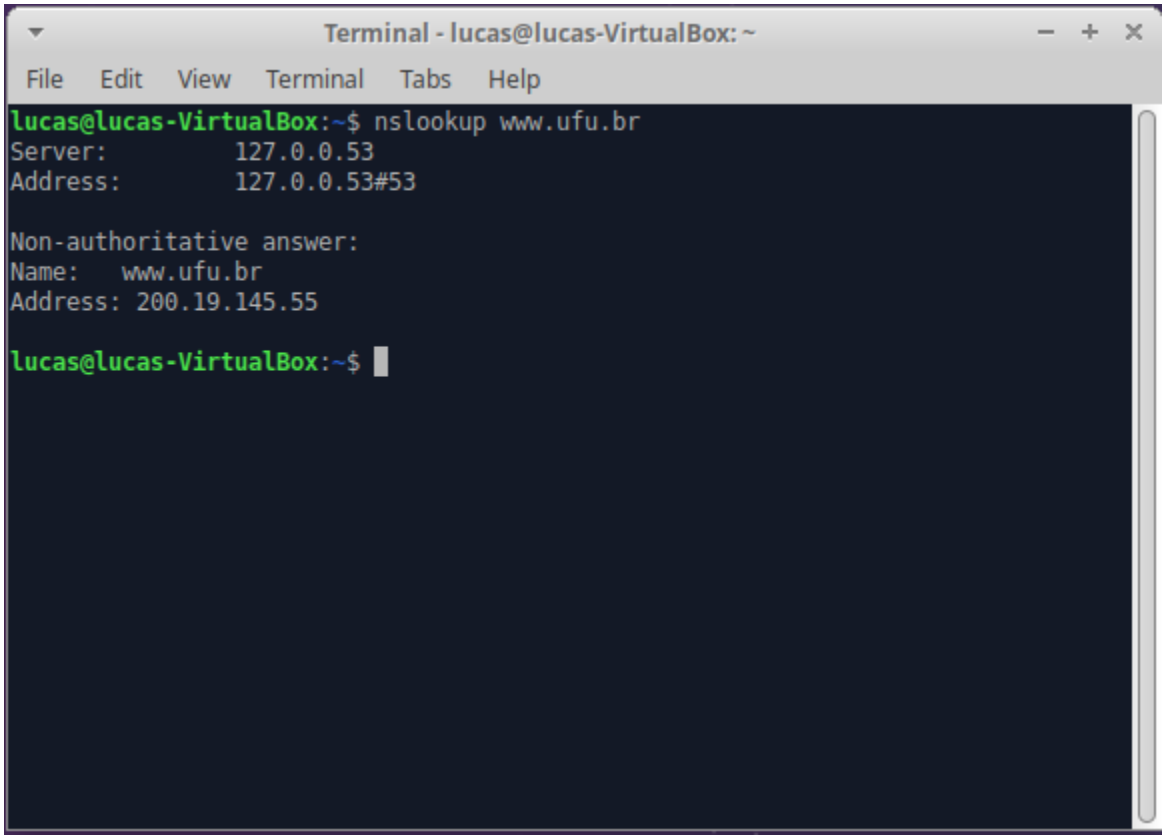
Comando: host $SITE_ANDRESS



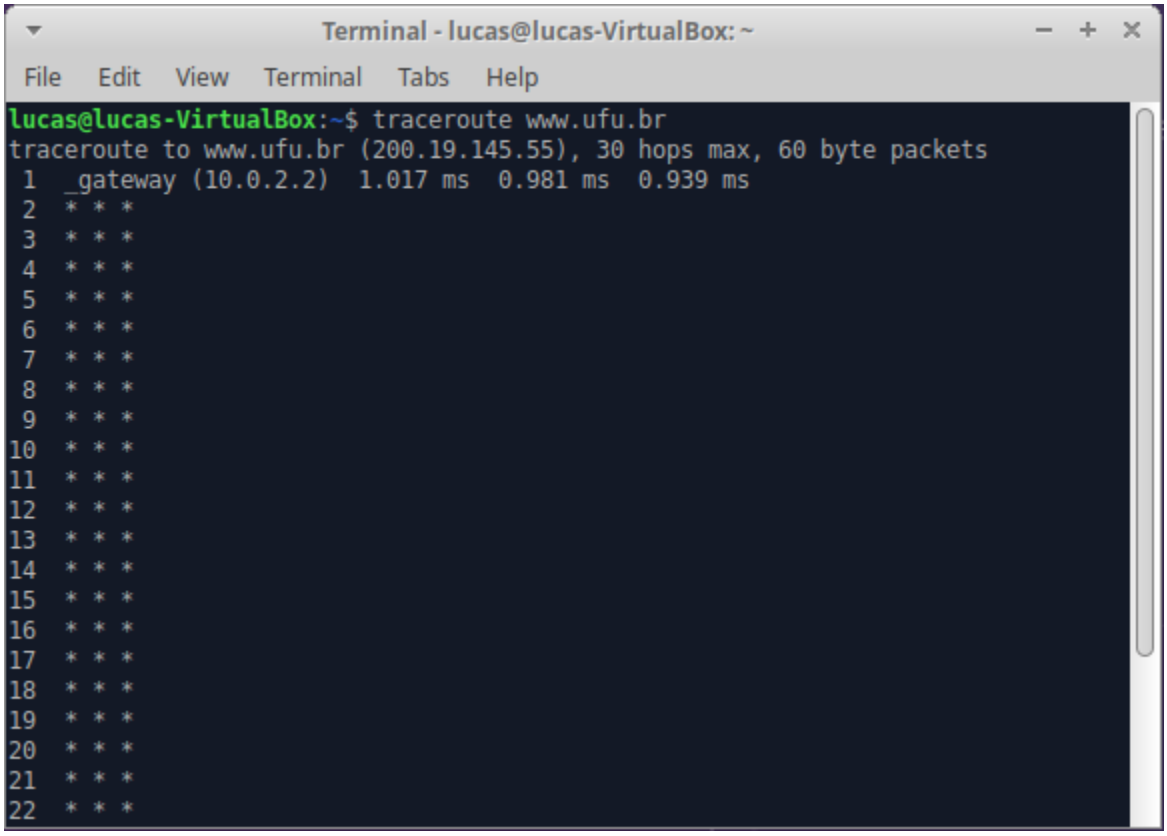
Comando: dig $SITE_ANDRESS



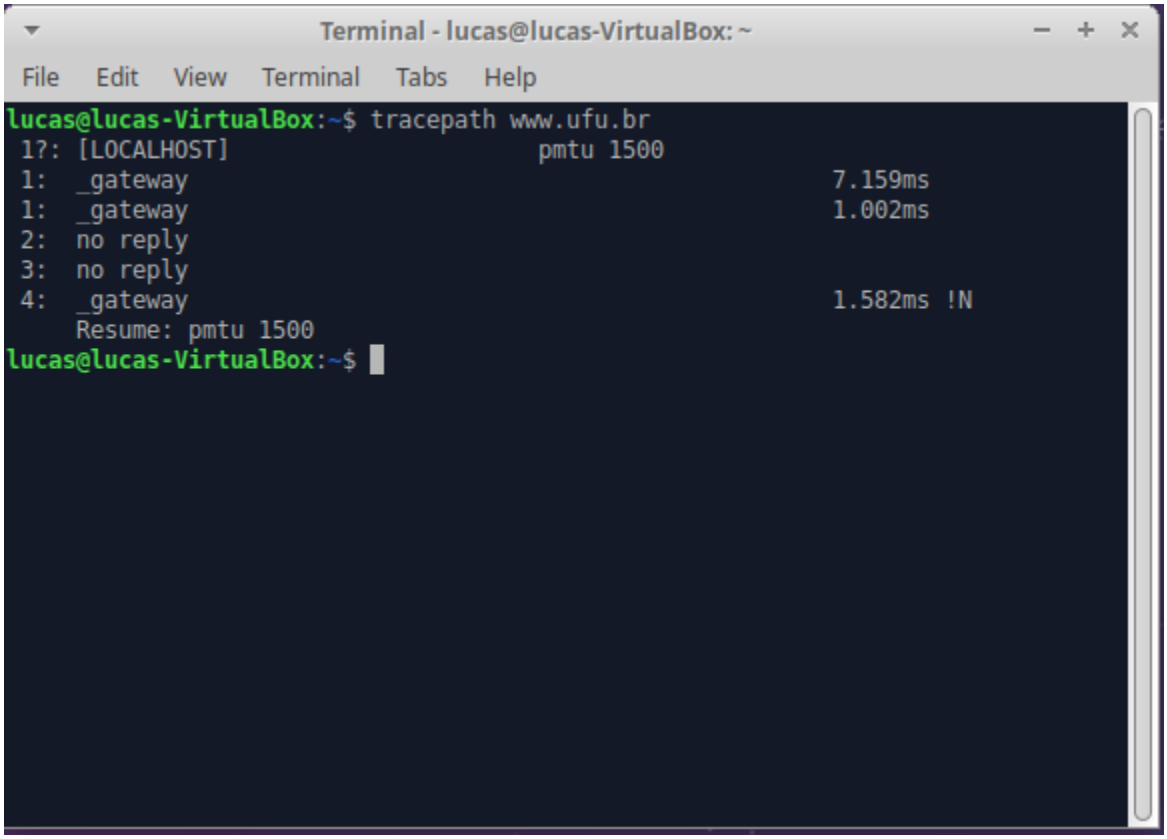
Comando: nslookup $SITE_ANDRESS



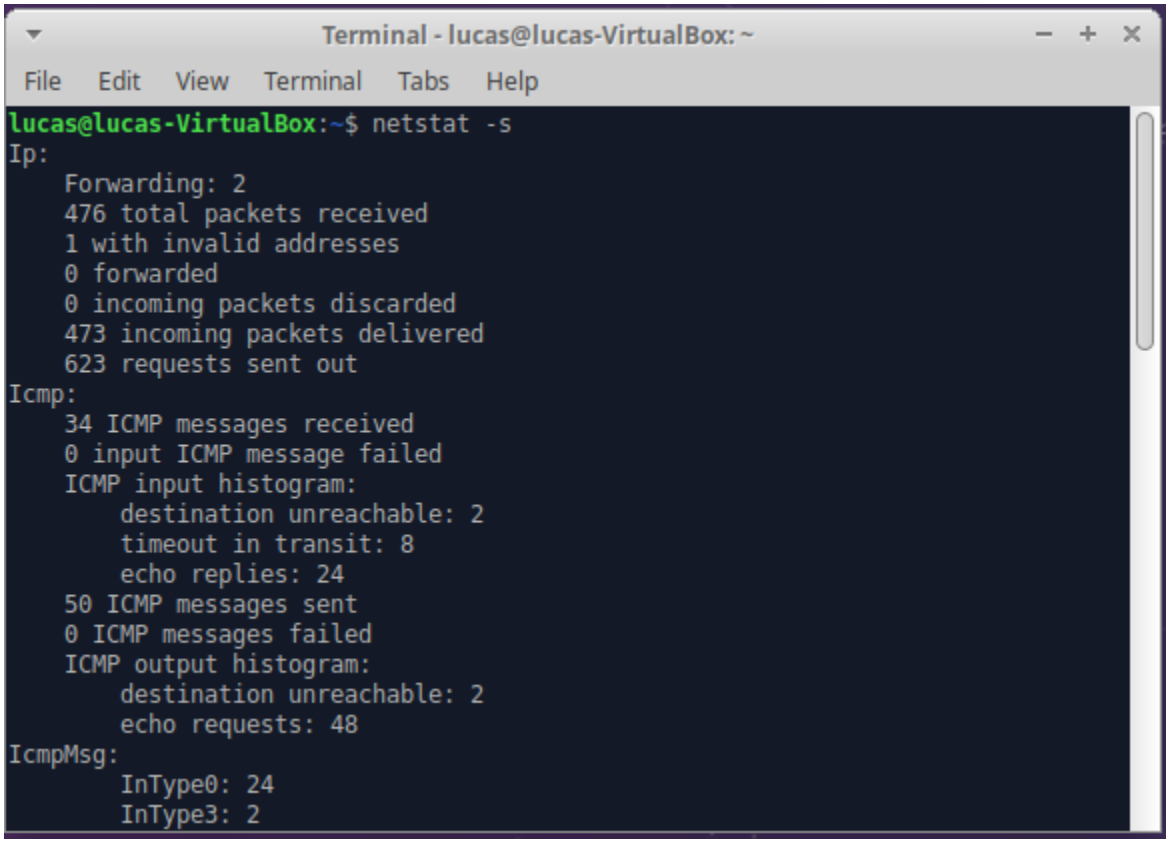
Comando: traceroute $SITE_ANDRESS



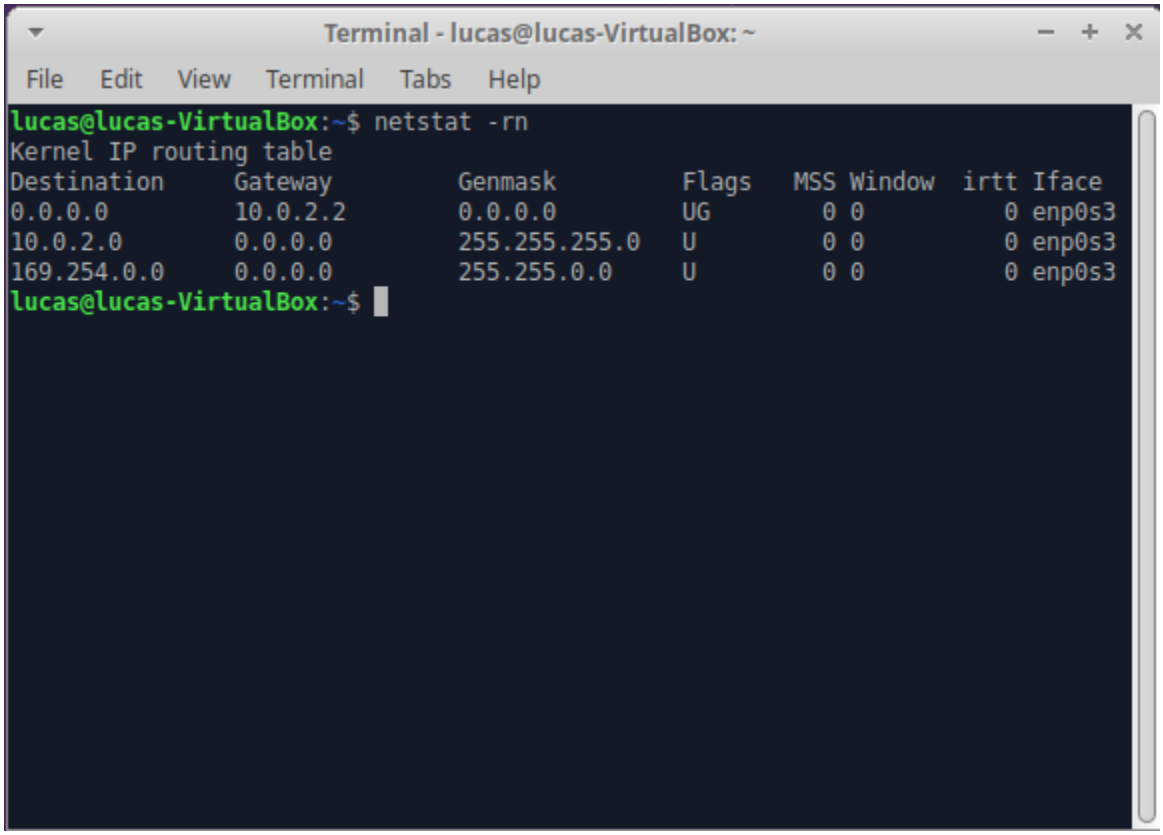
Comando: tracepath $SITE_ANDRESS



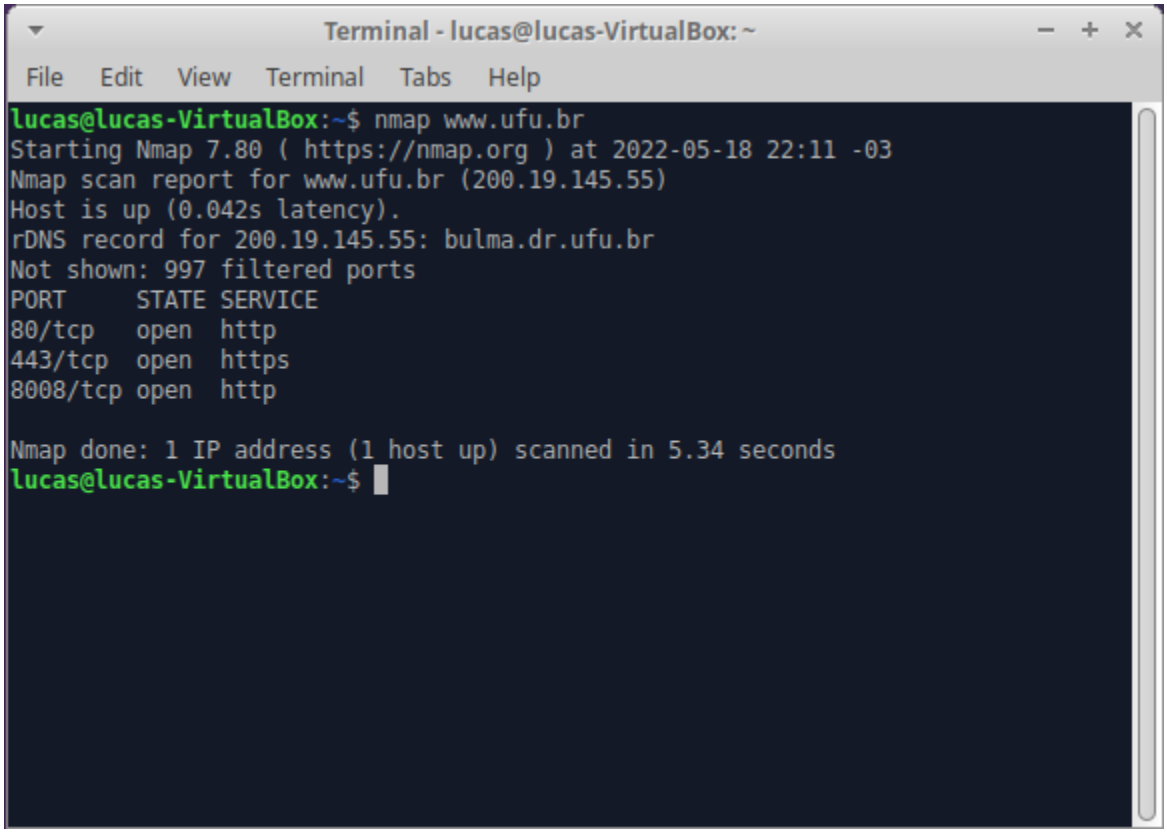
Comando: netstat -s



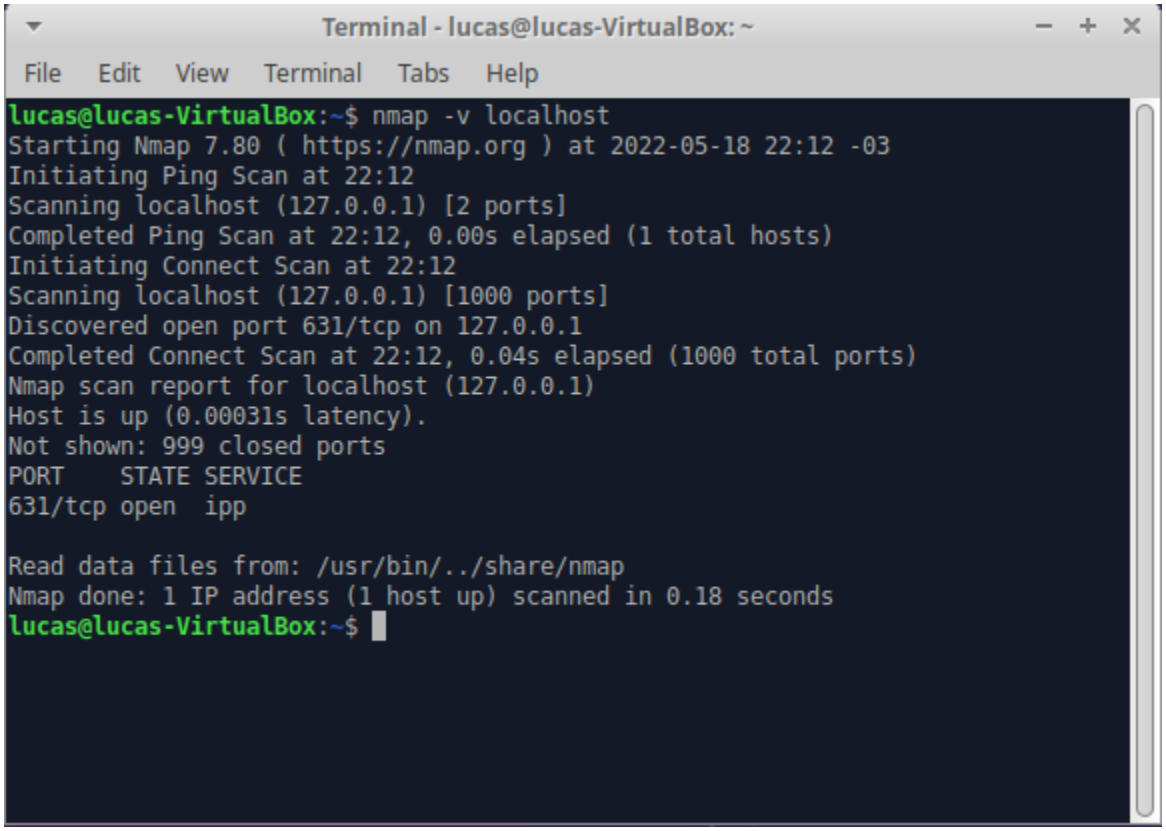
Comando: netstat -rn



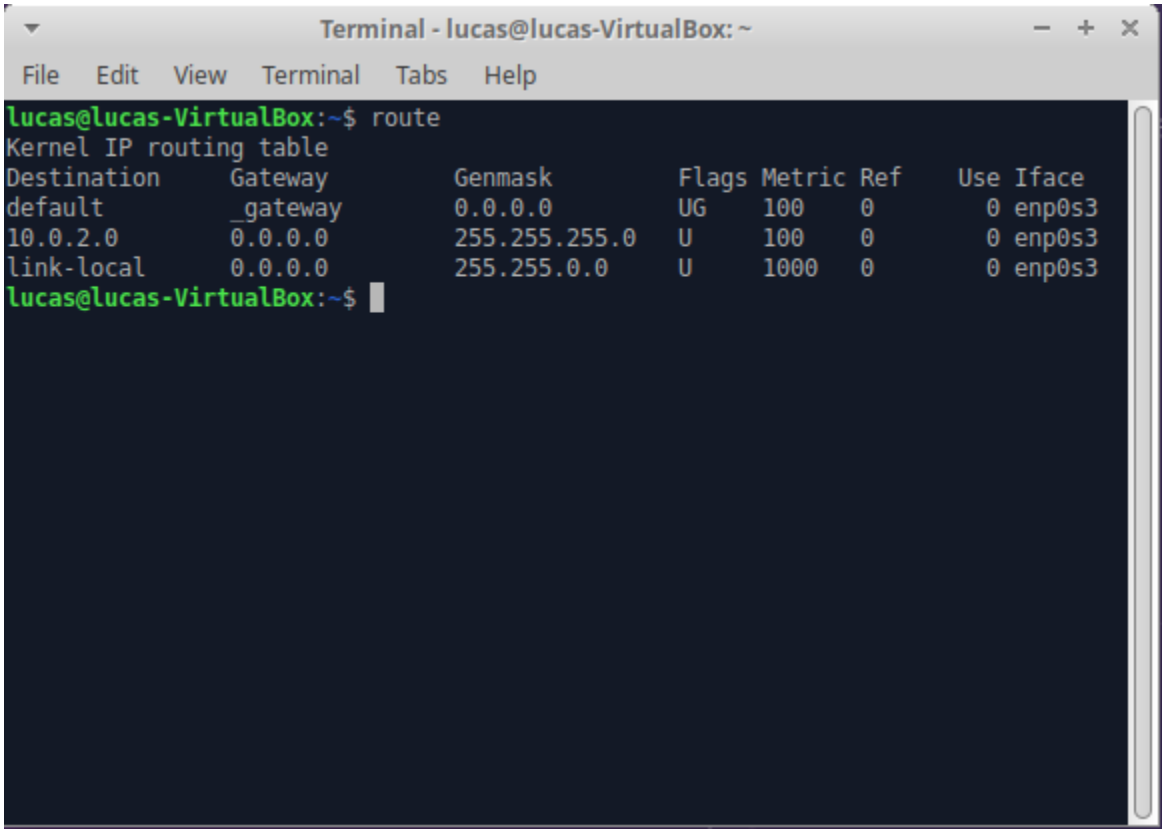
Comando: nmap $SITE_ANDRESS



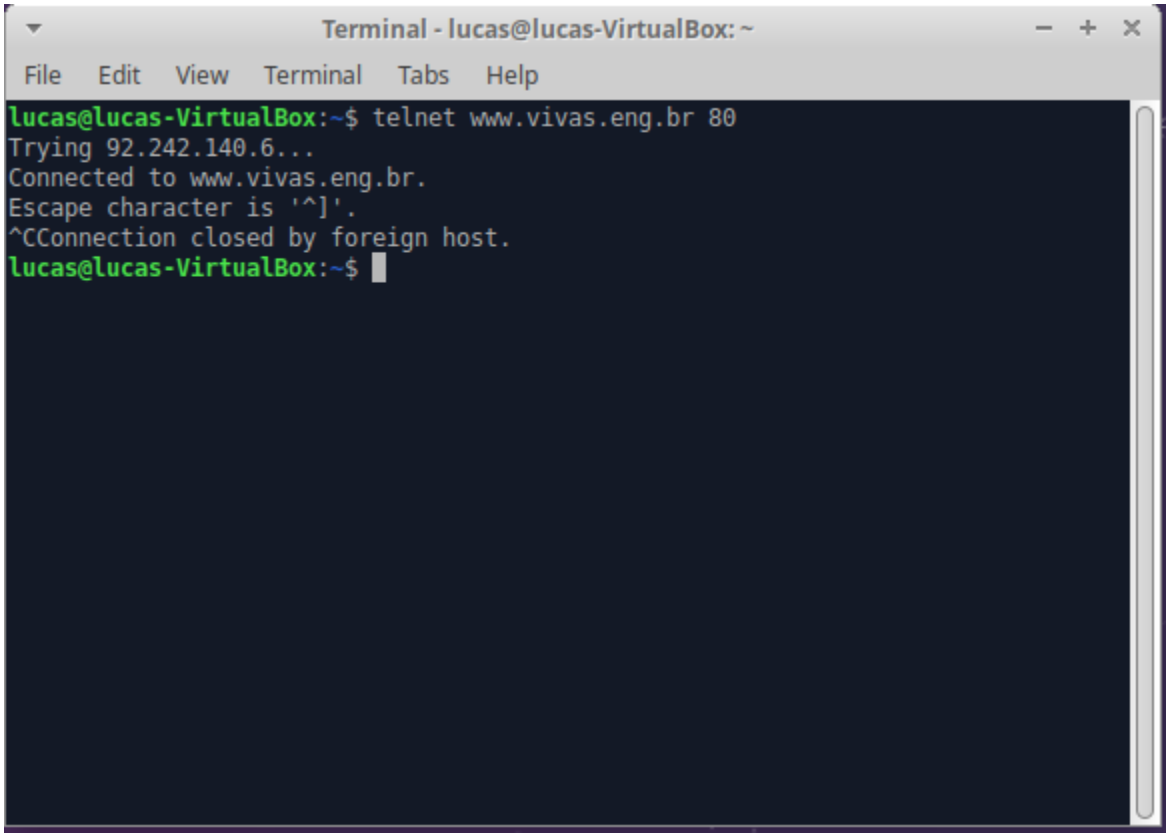
Comando: nmap -v localhost



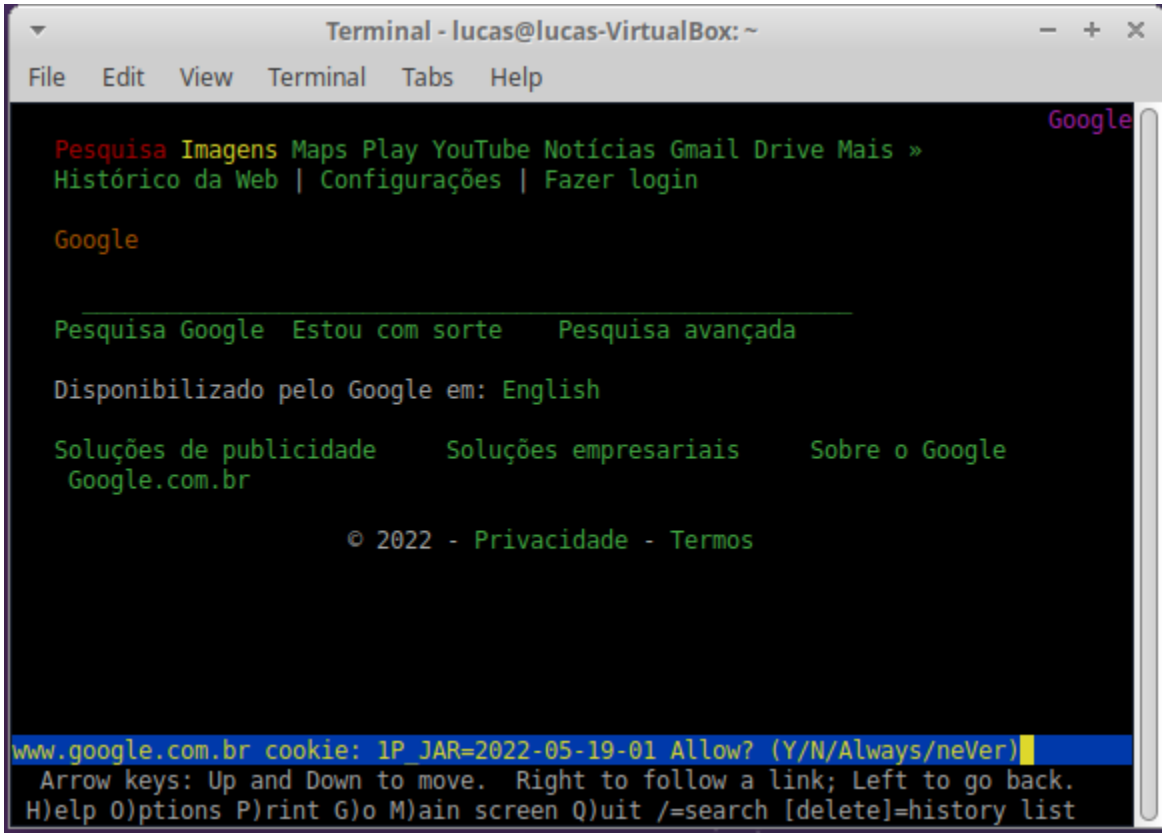
Comando: route



Comando: telnet

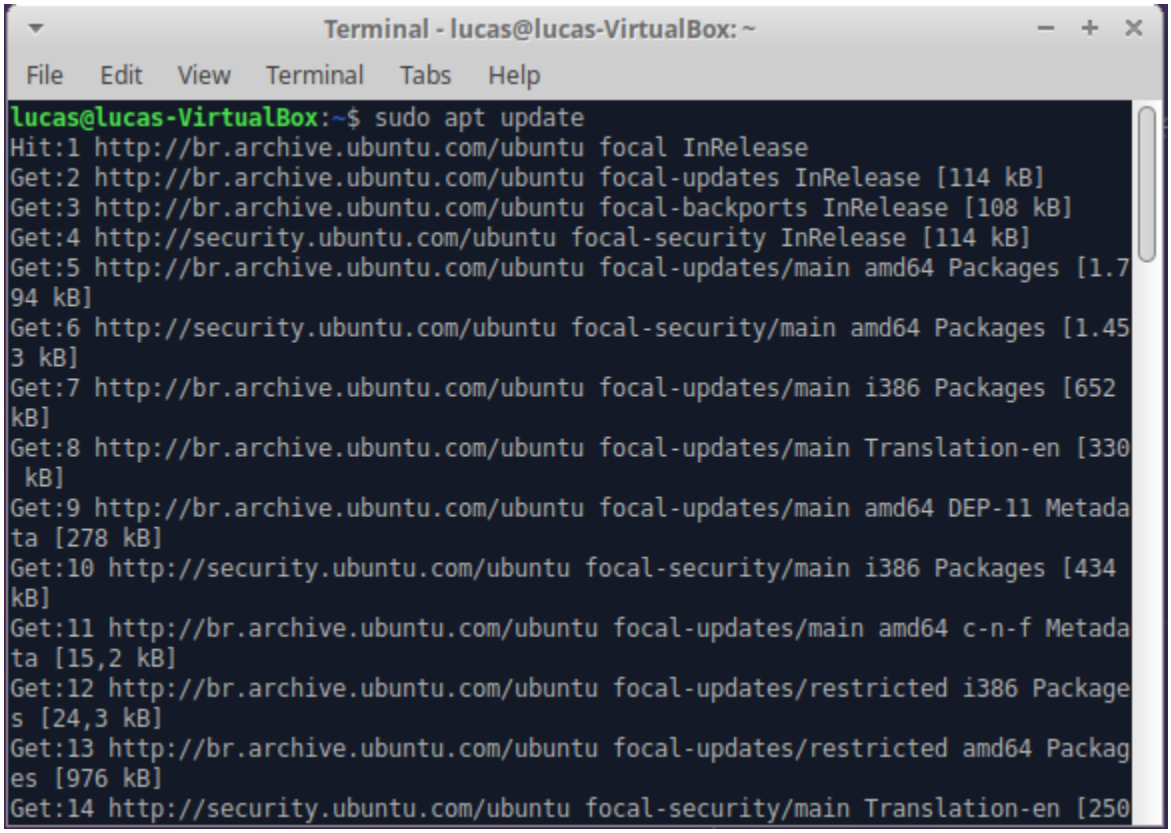


Comando: lynx $SITE_ANDRESS

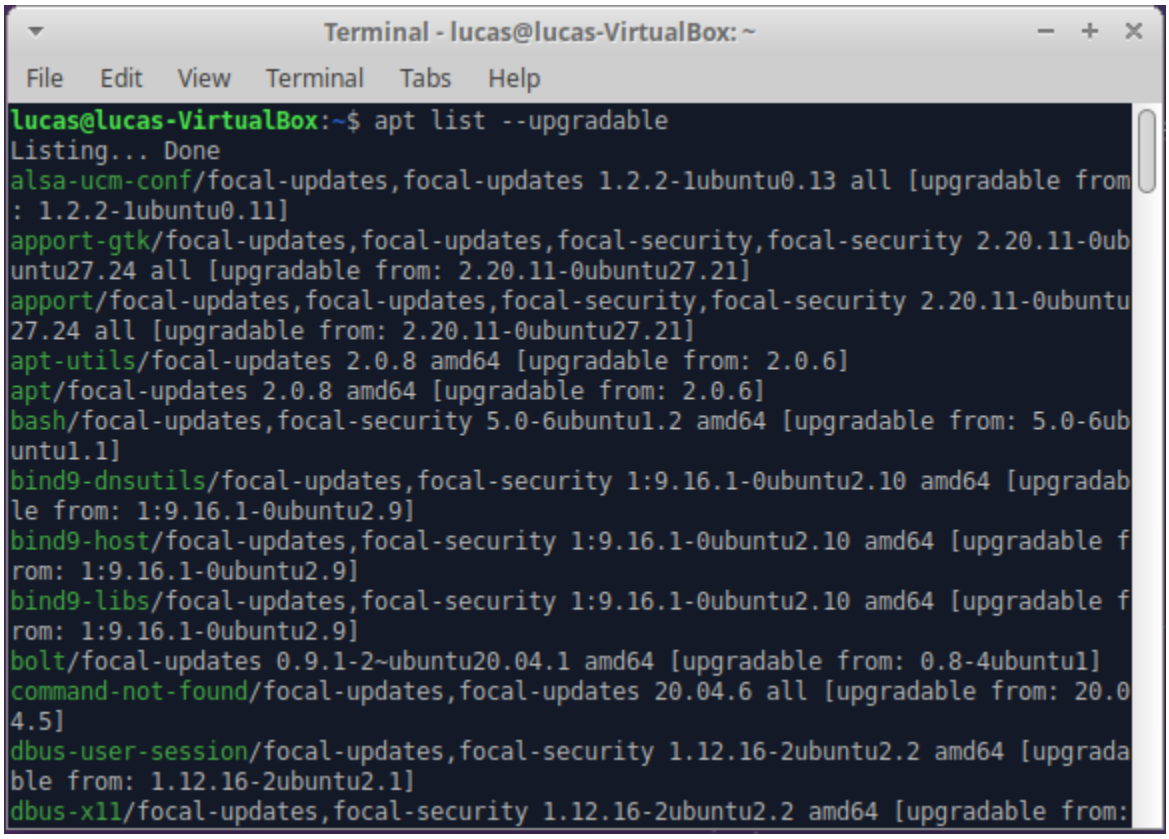


Capítulo 10

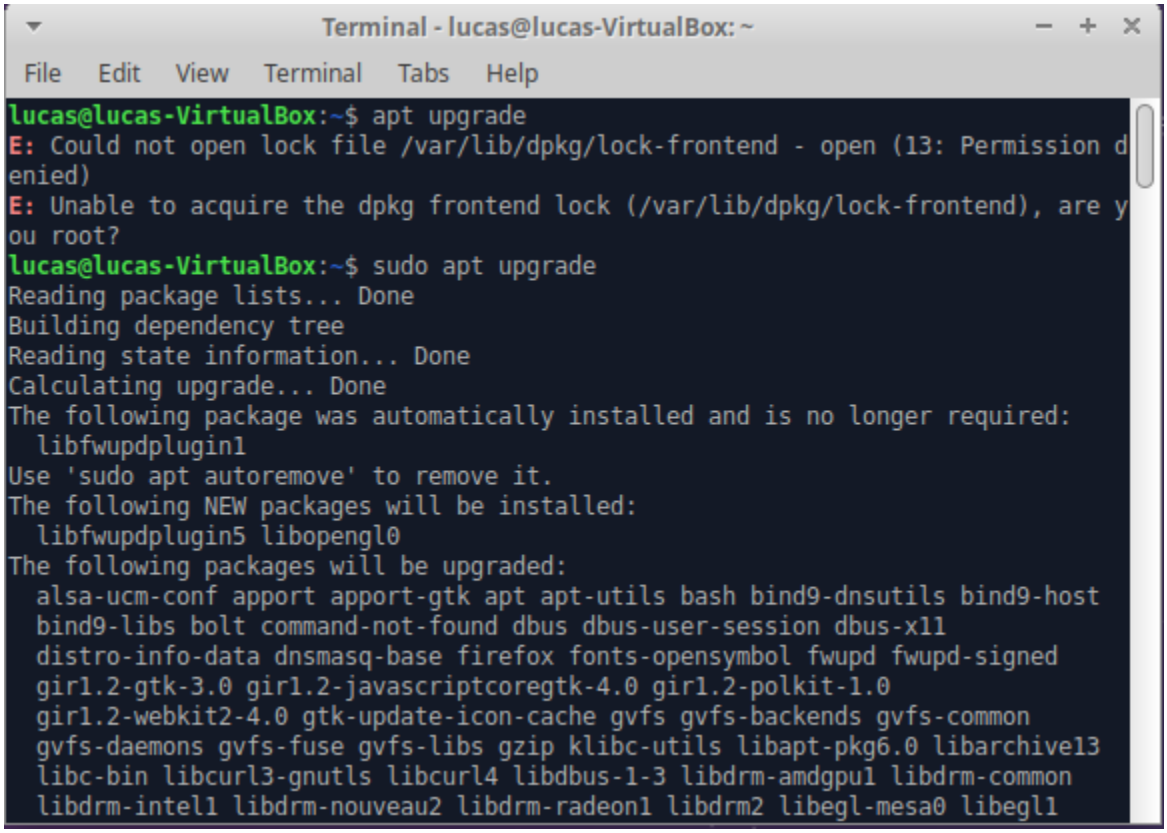
Comando: apt update



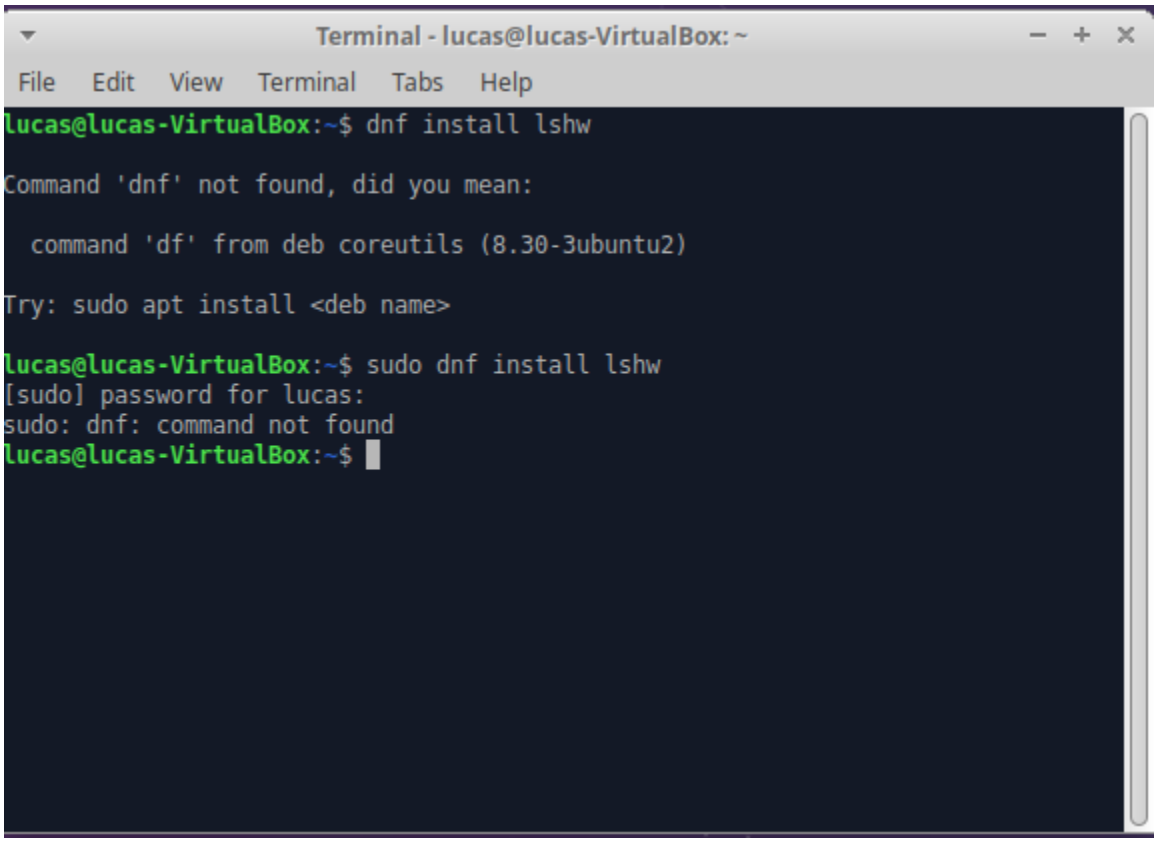
Comando: apt list --upgradable



Comando: apt upgrade

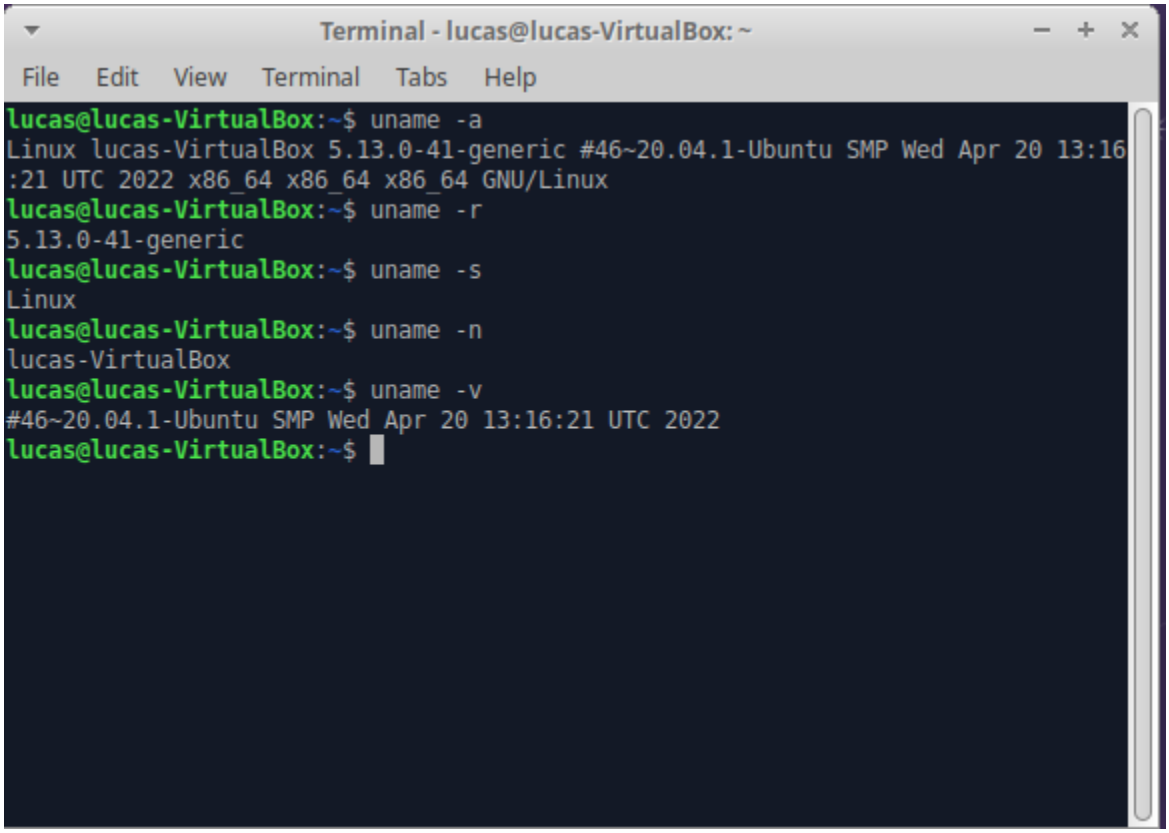


Comando: dnf install lshw

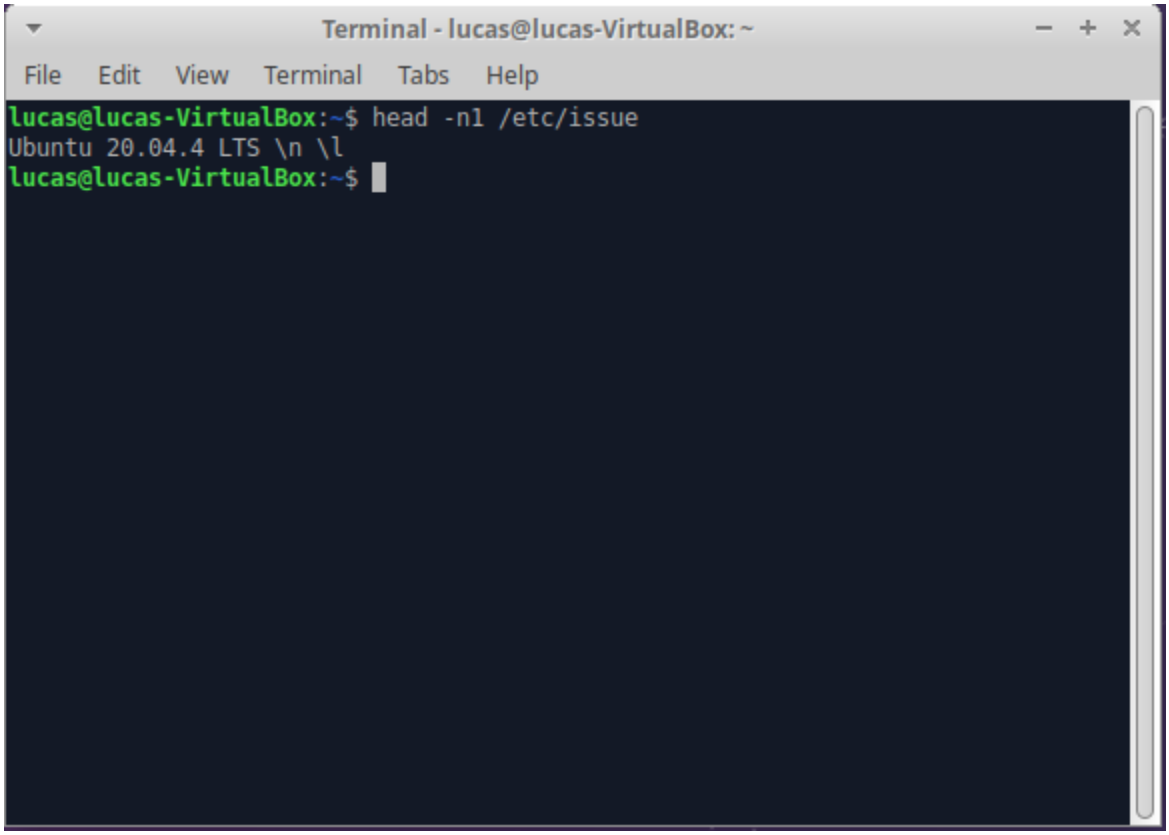


Capítulo 14

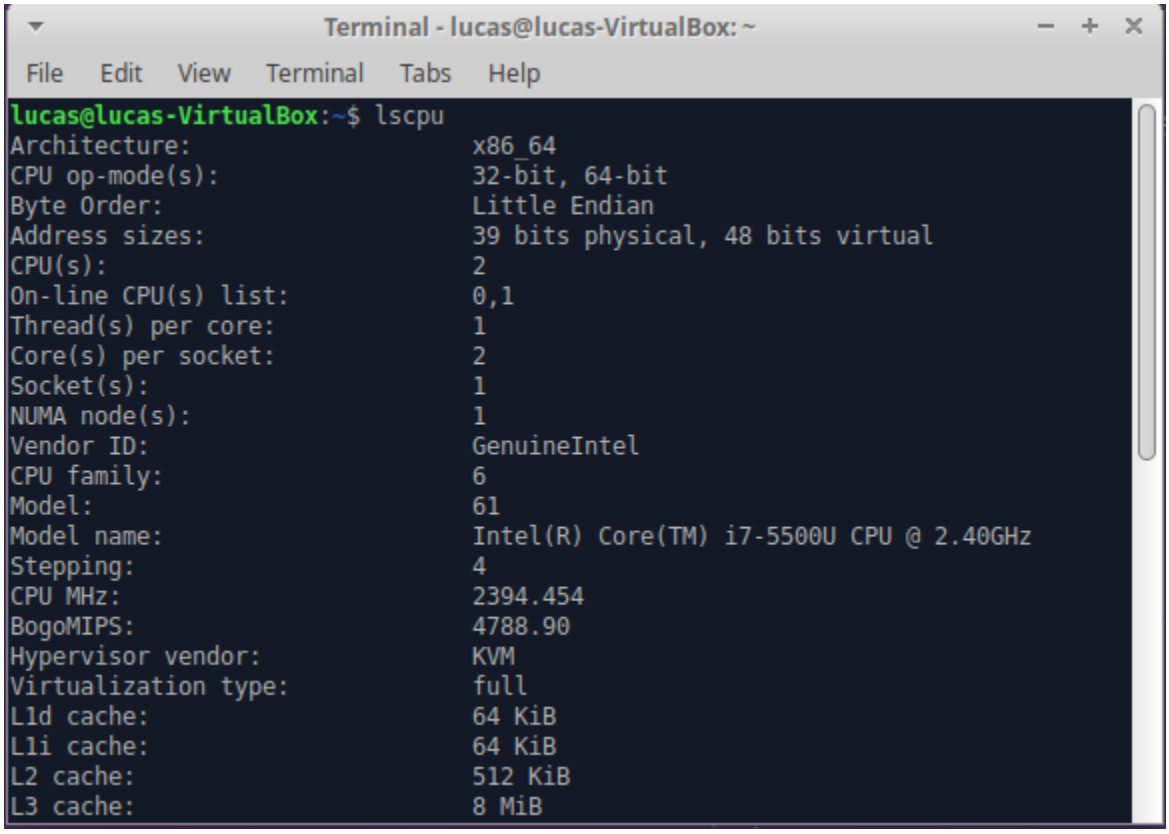
Comando: uname



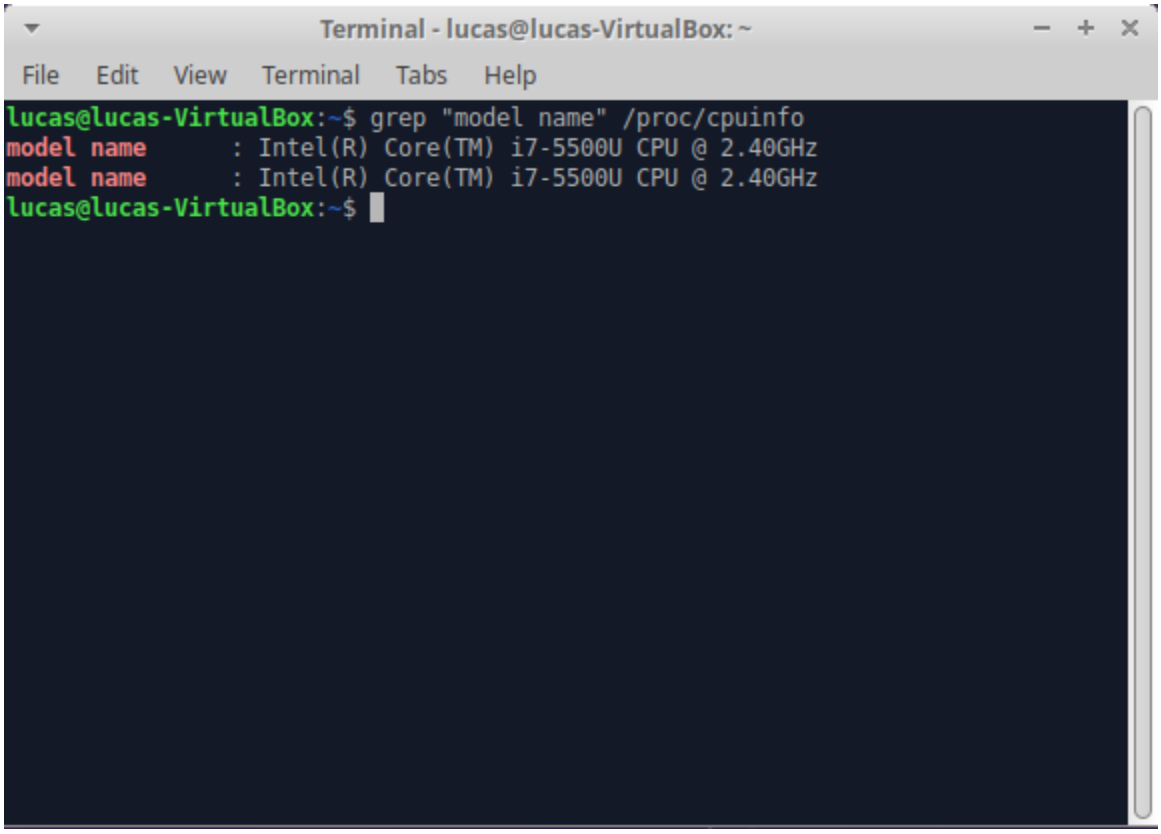
Comando: head -n1 /etc/issue



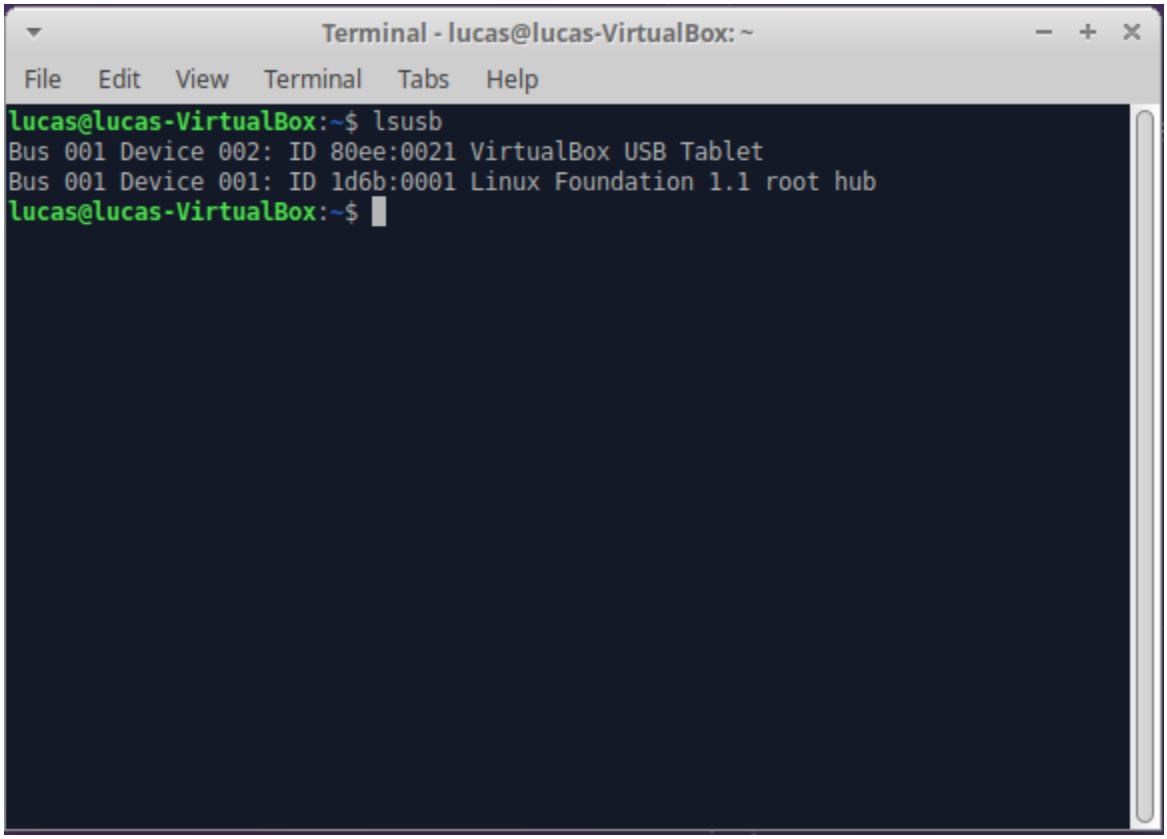
Comando: lscpu



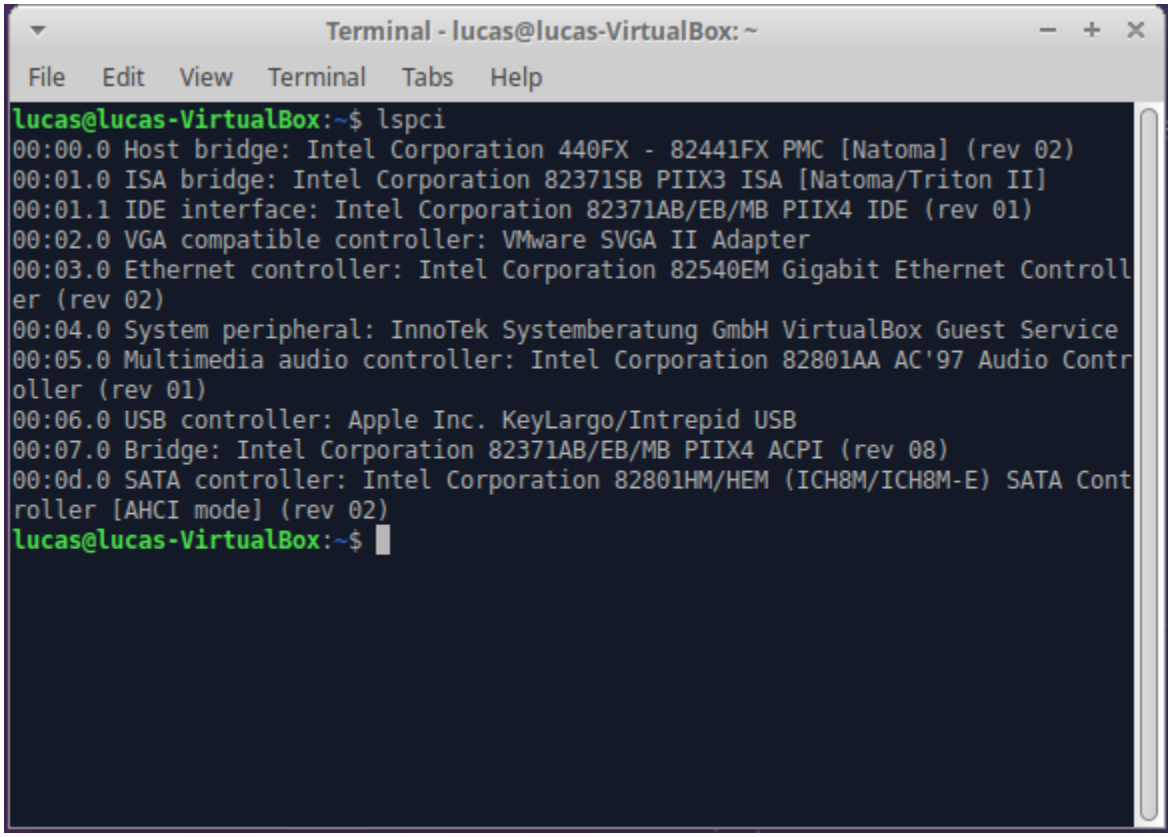
Comando: grep "model name" /proc/cpuinfo



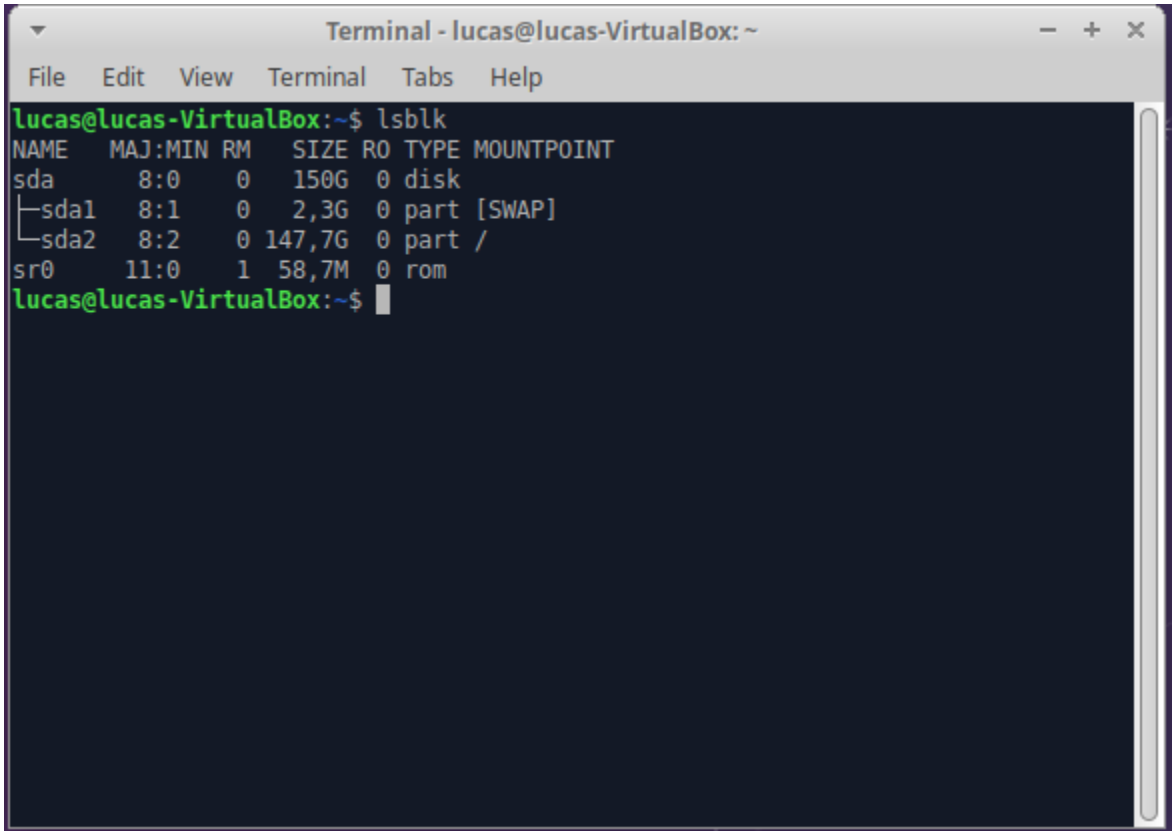
Comando: lsusb



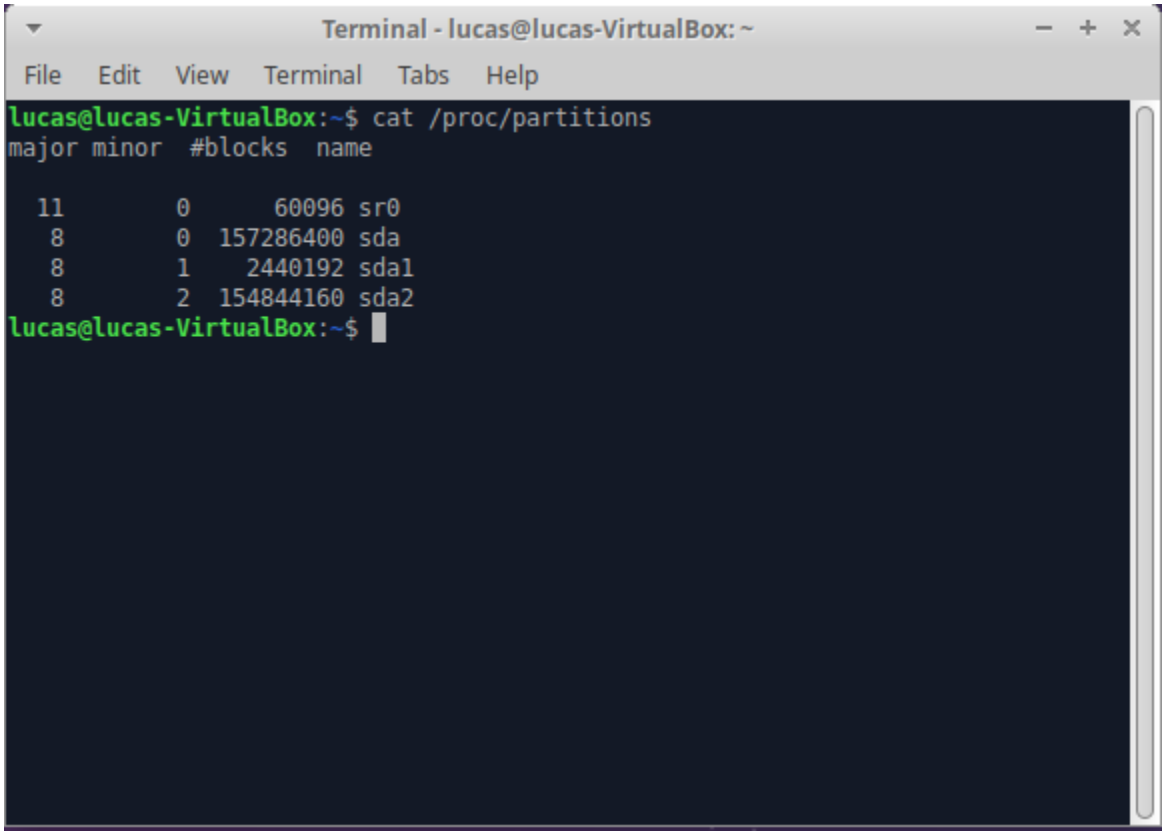
Comando: lspci



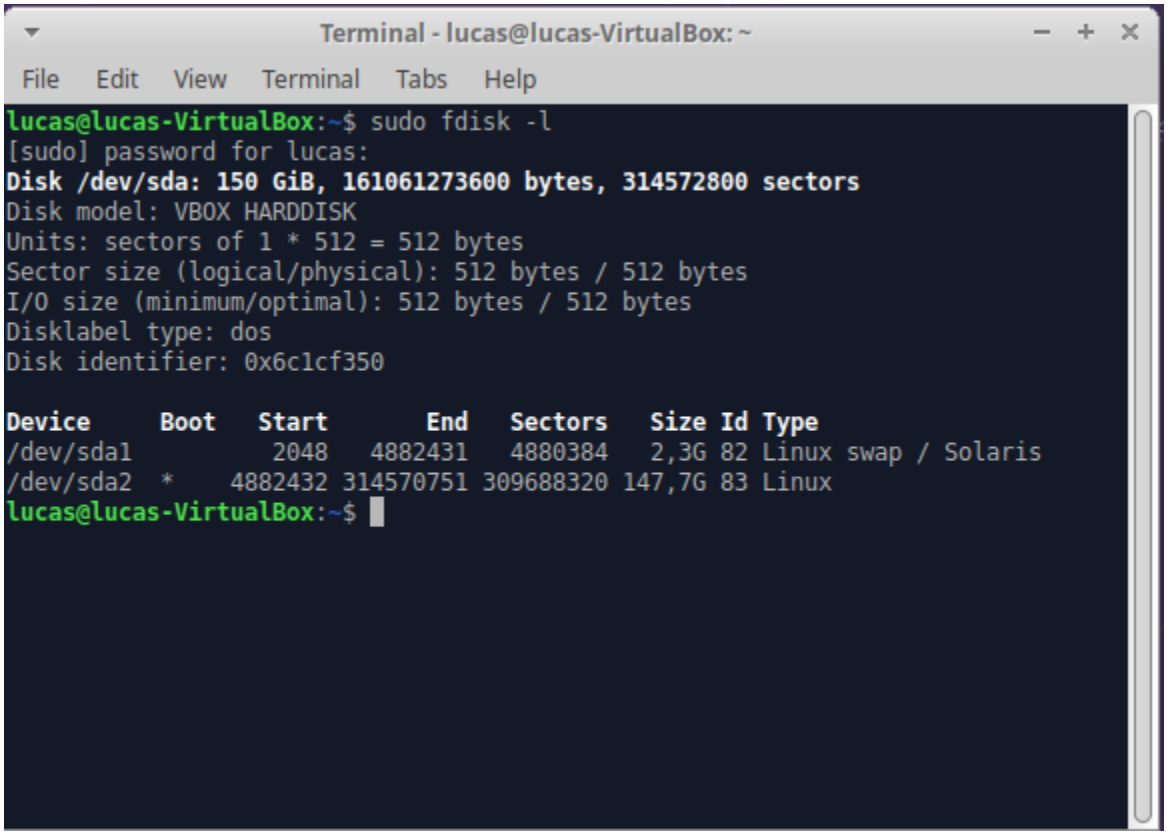
Comando: lsblk



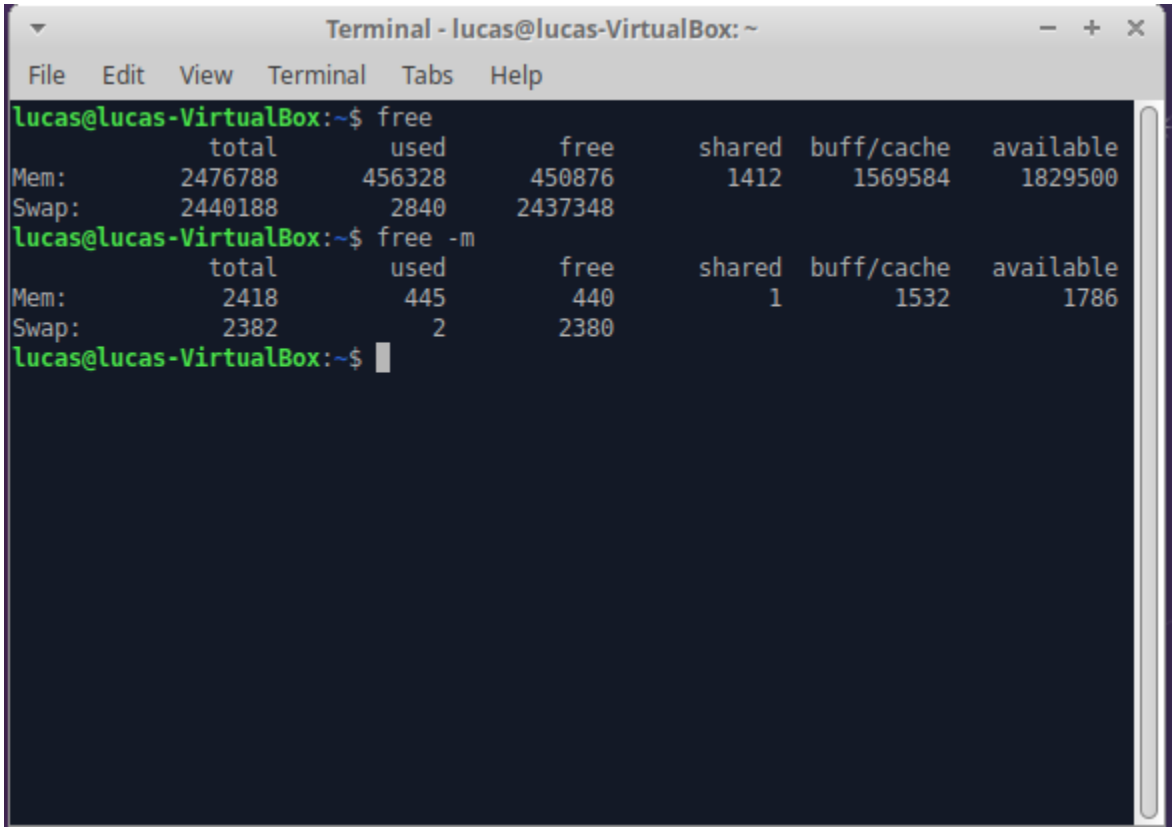
Comando: cat /proc/partitions



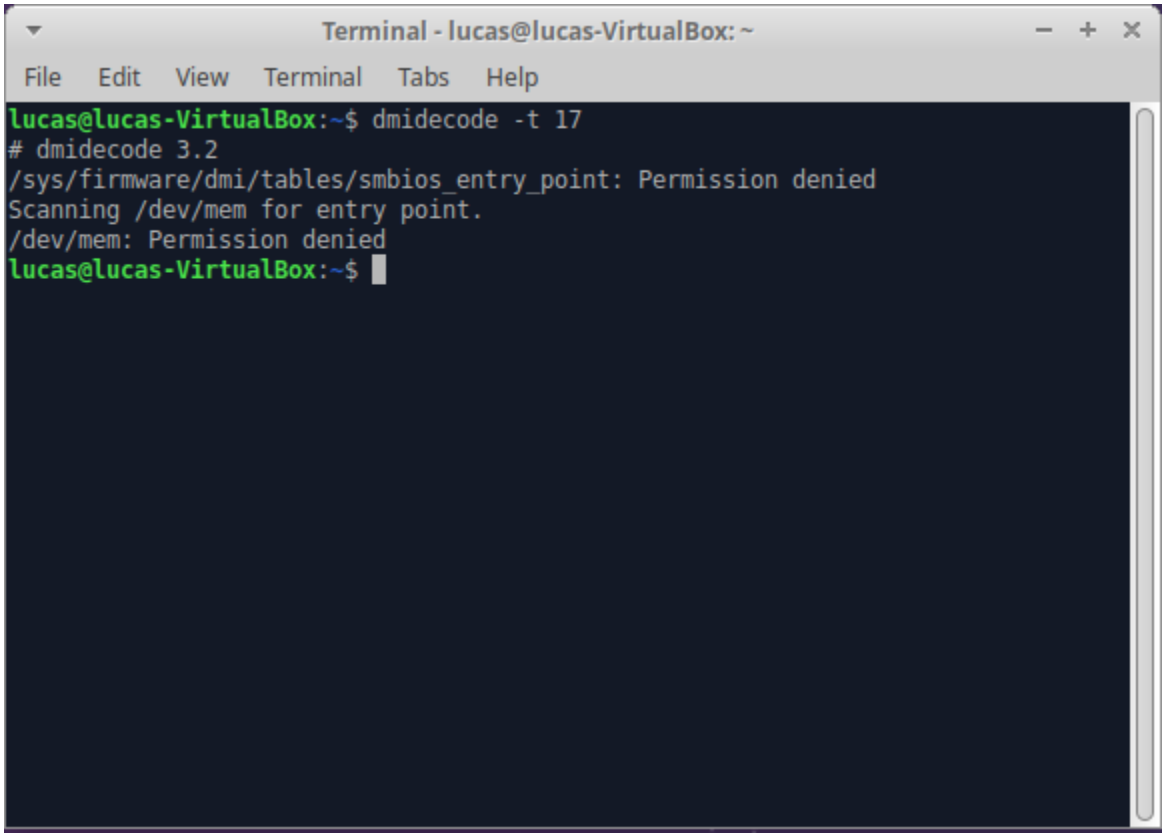
Comando: fdisk -l



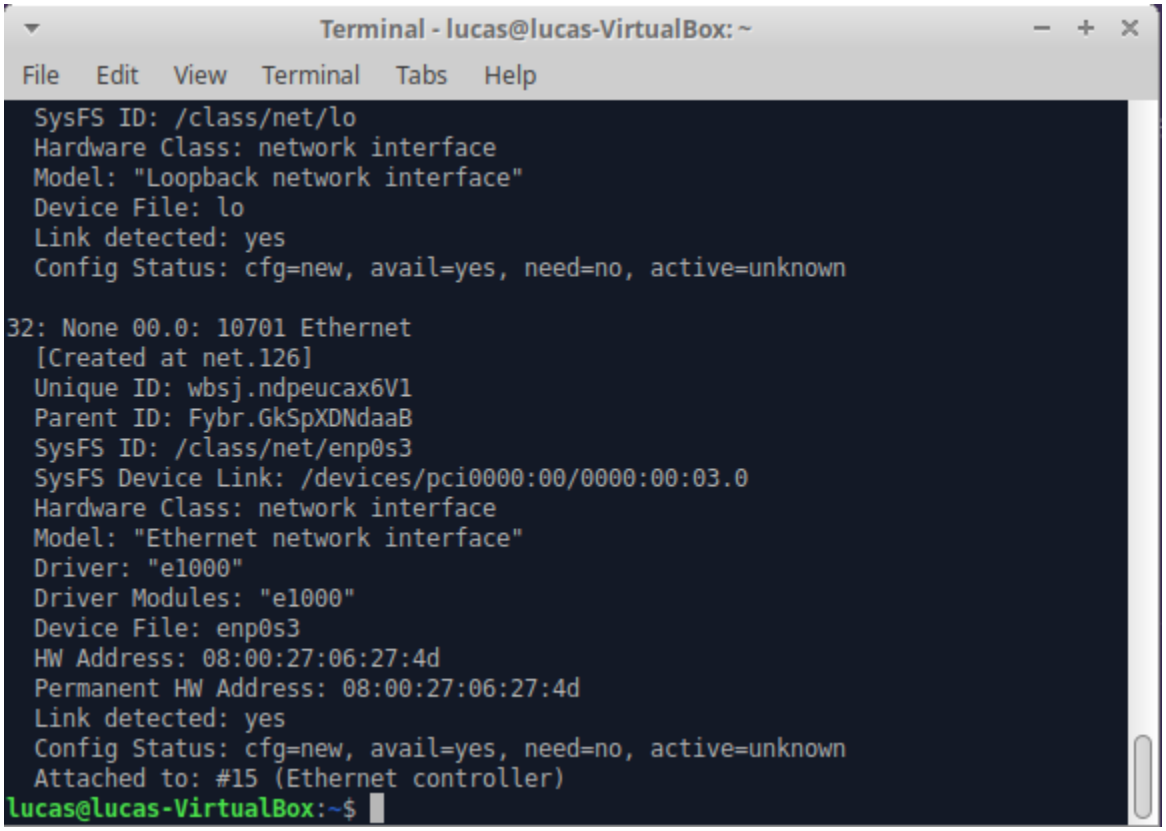
Comando: free



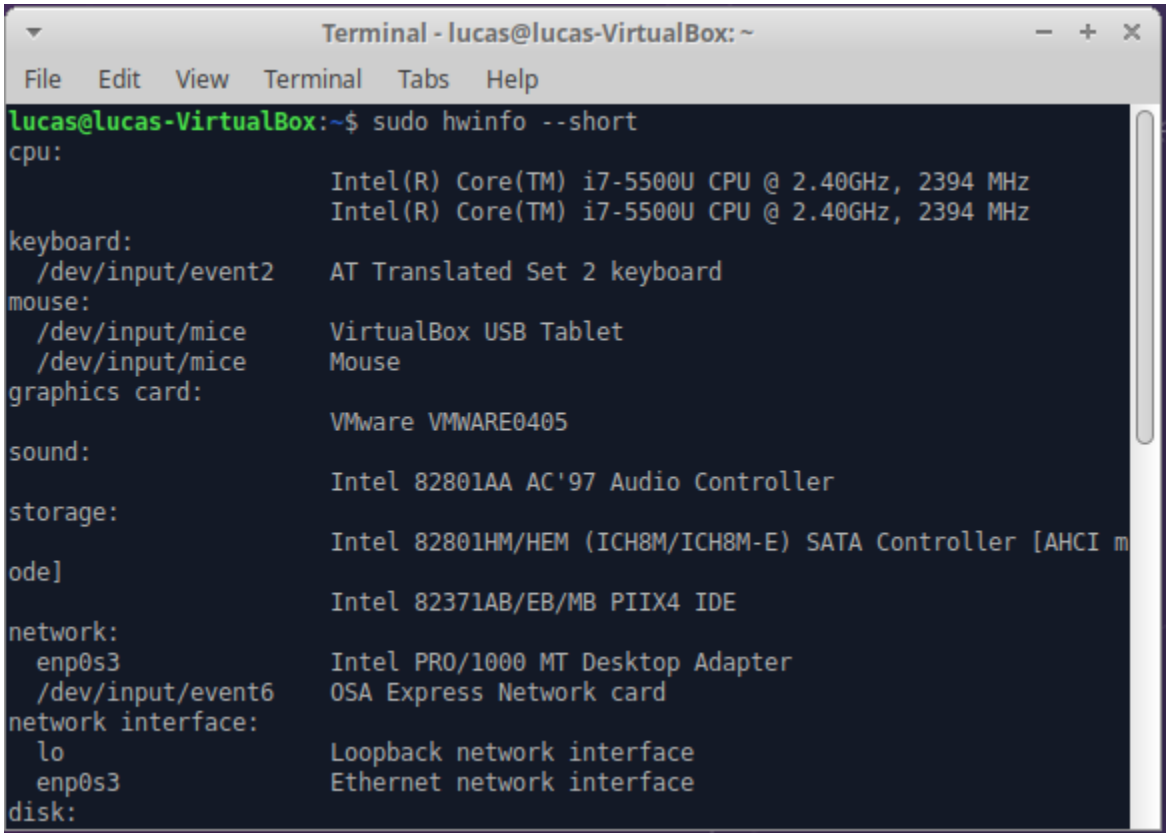
Comando: dmidecode -t 17



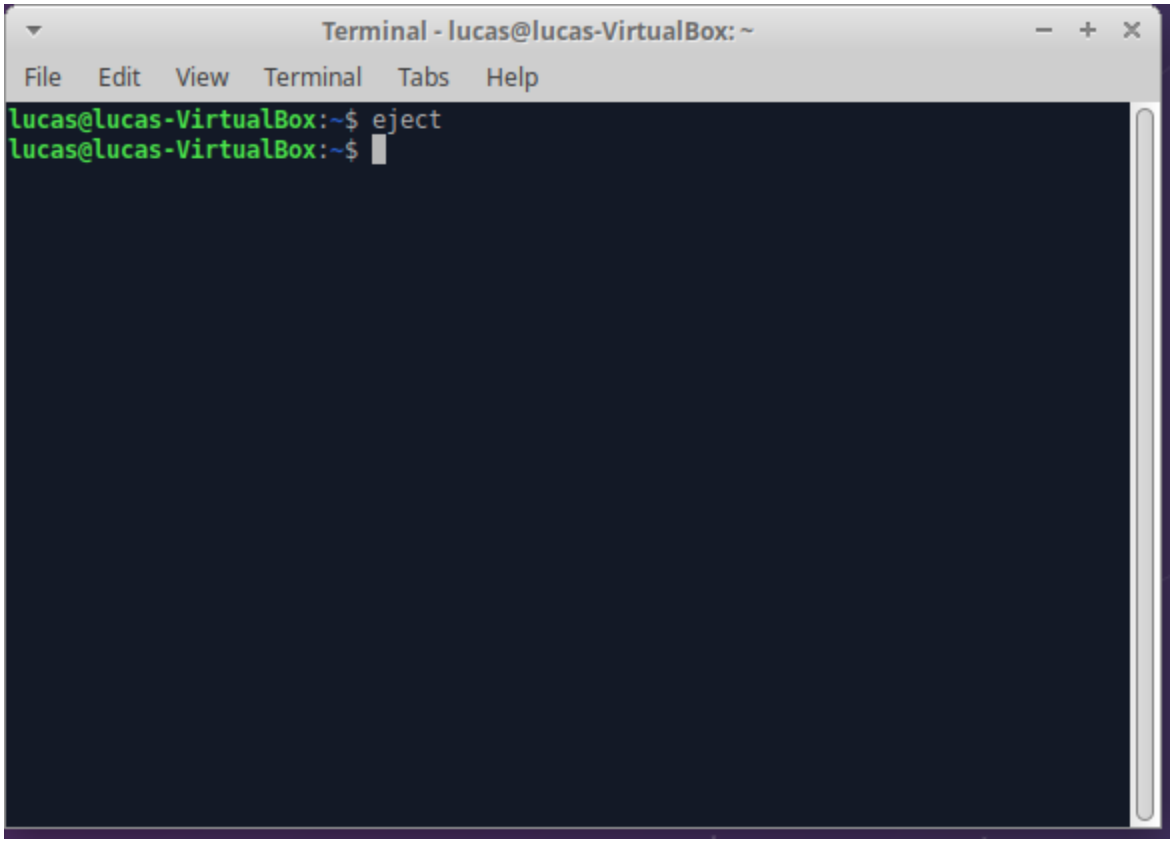
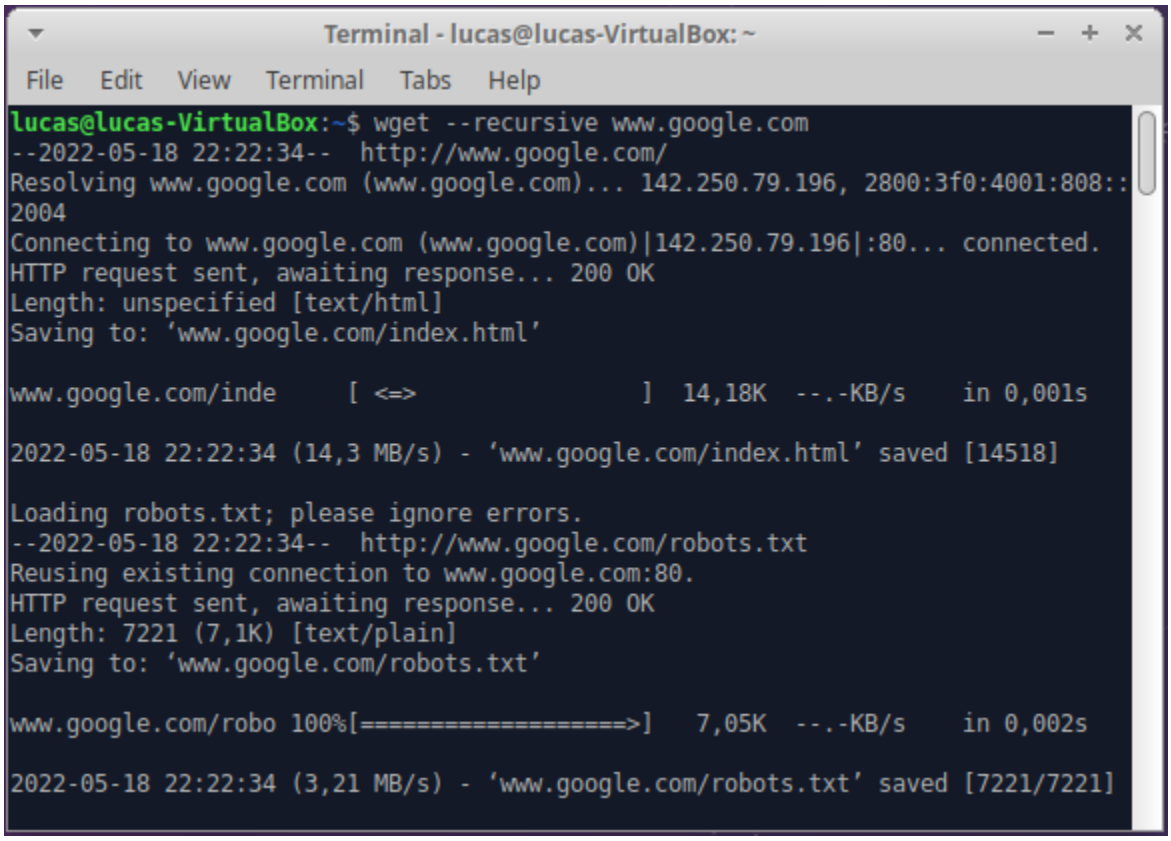
Comando: hwinfo



Comando: hwinfo --short



Comando: eject



Comando: wget --recursive $SITE_ANDRESS