

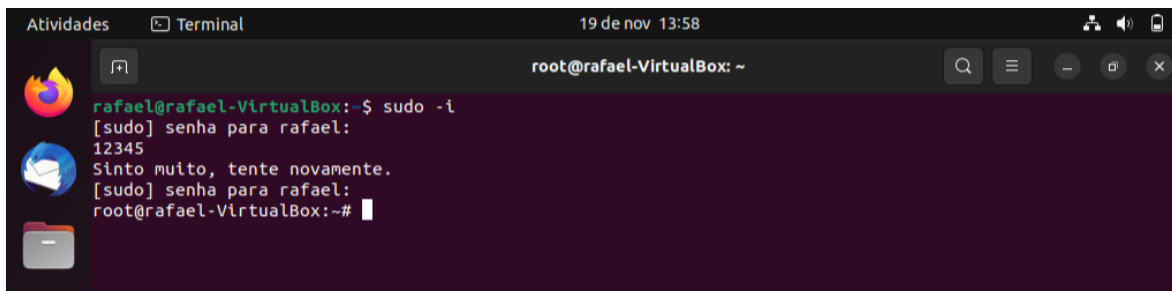
Nome: Rafael Santiago da Silva  
Login: rafael

1D  
Senha: 12345

## Exercícios Shell Linux (modo texto) root

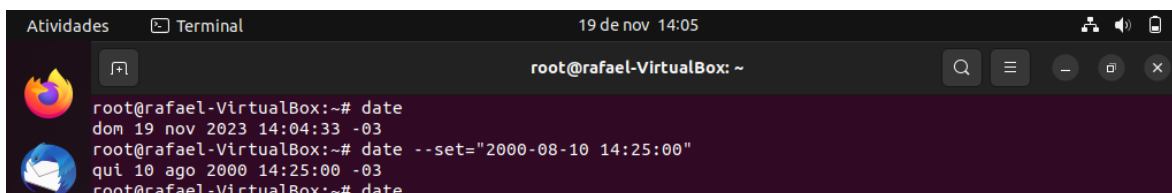
1 – Faça o login no sistema para o usuário administrador.

Login: root senha: informada quando instalou o Linux em seu computador

A terminal window titled 'Terminal' with a timestamp of '19 de nov 13:58'. The prompt is 'root@rafael-VirtualBox: ~'. The user enters 'sudo -i', followed by the password '12345'. The system responds with 'Sinto muito, tente novamente.' and then successfully grants root access, showing the prompt 'root@rafael-VirtualBox:~#'.

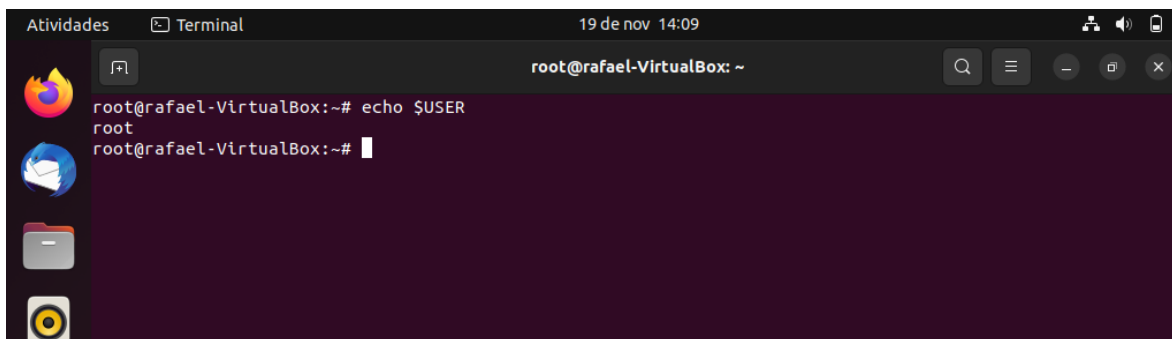
```
root@rafael-VirtualBox:~$ sudo -i
[sudo] senha para rafael:
12345
Sinto muito, tente novamente.
[sudo] senha para rafael:
root@rafael-VirtualBox:~#
```

2 – Mude a data para 22/08/00 e a hora para 14:25.

A terminal window titled 'Terminal' with a timestamp of '19 de nov 14:05'. The prompt is 'root@rafael-VirtualBox: ~'. The user enters 'date', showing 'dom 19 nov 2023 14:04:33 -03'. Then the user enters 'date --set="2000-08-10 14:25:00"', showing 'qui 10 ago 2000 14:25:00 -03'. Finally, the user enters 'date' again, showing the updated date and time.

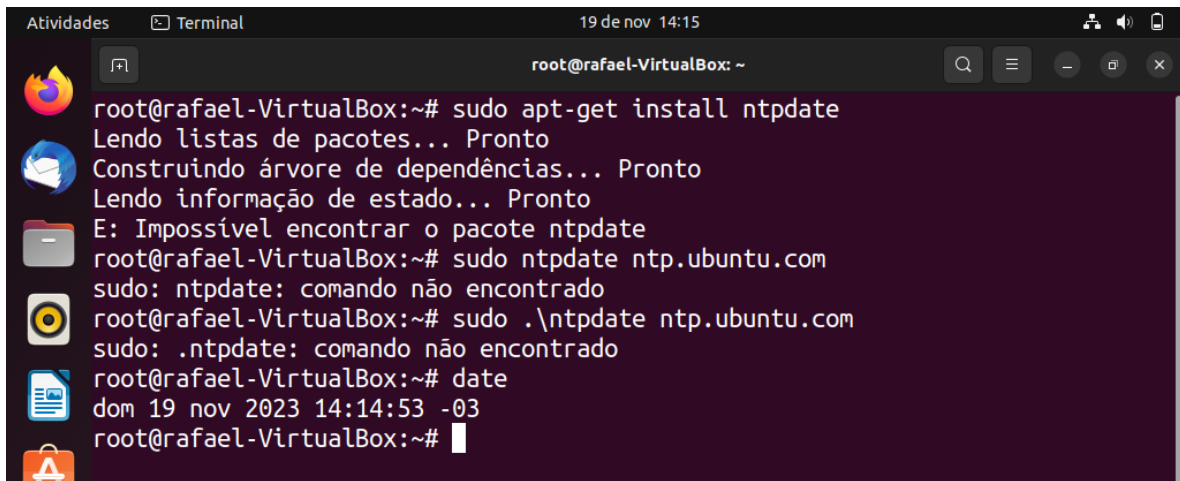
```
root@rafael-VirtualBox:~# date
dom 19 nov 2023 14:04:33 -03
root@rafael-VirtualBox:~# date --set="2000-08-10 14:25:00"
qui 10 ago 2000 14:25:00 -03
root@rafael-VirtualBox:~# date
```

3 – Dê o nome do seu usuário.

A terminal window titled 'Terminal' with a timestamp of '19 de nov 14:09'. The prompt is 'root@rafael-VirtualBox: ~'. The user enters 'echo \$USER', showing 'root'. Then the user enters 'root' at the prompt, and the prompt changes to 'root@rafael-VirtualBox:~#'.

```
root@rafael-VirtualBox:~# echo $USER
root
root@rafael-VirtualBox:~#
```

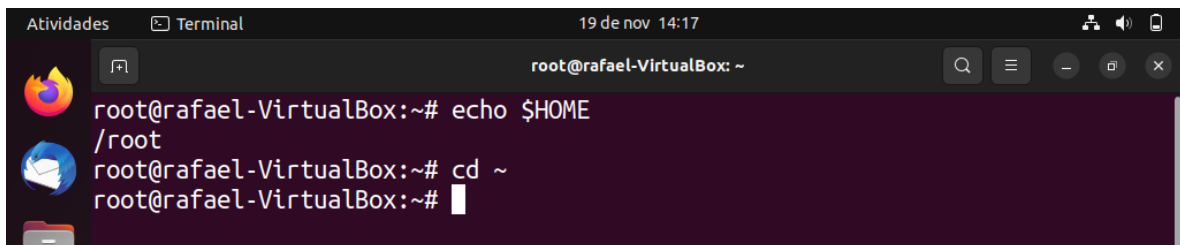
4 - Mude para a data e hora atuais.



A terminal window titled 'Atividades' and 'Terminal' showing the process of installing ntpdate. The user is root@rafael-VirtualBox. The commands and output are as follows:

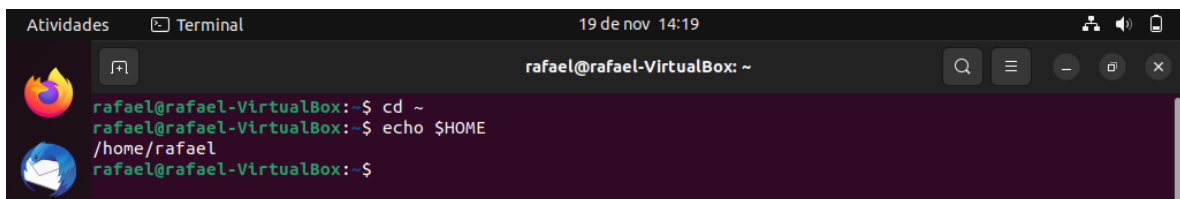
```
root@rafael-VirtualBox:~# sudo apt-get install ntpdate
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
E: Impossível encontrar o pacote ntpdate
root@rafael-VirtualBox:~# sudo ntpdate ntp.ubuntu.com
sudo: ntpdate: comando não encontrado
root@rafael-VirtualBox:~# sudo .\ntpdate ntp.ubuntu.com
sudo: .ntpdate: comando não encontrado
root@rafael-VirtualBox:~# date
dom 19 nov 2023 14:14:53 -03
root@rafael-VirtualBox:~#
```

5 – Descreva qual é a pasta do seu usuário.



A terminal window titled 'Atividades' and 'Terminal' showing the user's home directory. The user is root@rafael-VirtualBox. The commands and output are as follows:

```
root@rafael-VirtualBox:~# echo $HOME
/root
root@rafael-VirtualBox:~# cd ~
root@rafael-VirtualBox:~#
```



A terminal window titled 'Atividades' and 'Terminal' showing the user's home directory after switching to the regular user raphael. The user is raphael@rafael-VirtualBox. The commands and output are as follows:

```
rafael@rafael-VirtualBox:~$ cd ~
rafael@rafael-VirtualBox:~$ echo $HOME
/home/rafael
rafael@rafael-VirtualBox:~$
```

6 – Mostre os arquivos na vertical com listagem longa.

```
Atividades Terminal 19 de nov 14:22
rafael@rafael-VirtualBox: ~
rafael@rafael-VirtualBox:~$ ls -l
total 36
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 'Área de Trabalho'
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Documentos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Downloads
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Imagens
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Modelos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Música
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Público
drwx----- 3 rafael rafael 4096 nov 17 11:11 snap
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Vídeos
rafael@rafael-VirtualBox:~$
```

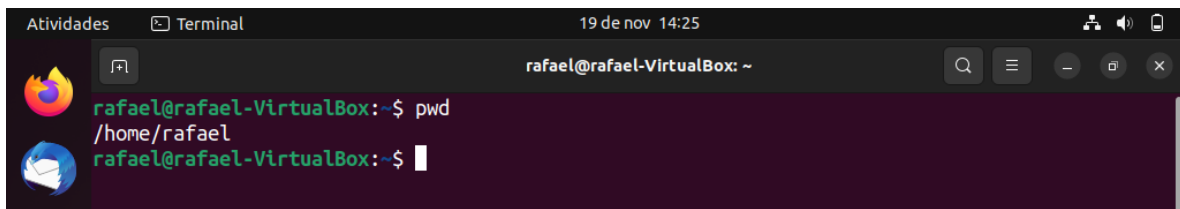
7 – Mostre os arquivos na horizontal.

```
Atividades Terminal 19 de nov 14:23
rafael@rafael-VirtualBox: ~
rafael@rafael-VirtualBox:~$ ls
'Área de Trabalho' Downloads Modelos Público Vídeos
Documentos Imagens Música snap
rafael@rafael-VirtualBox:~$
```

8 – Mostre os arquivos com a opção de mostrar os ocultos também.

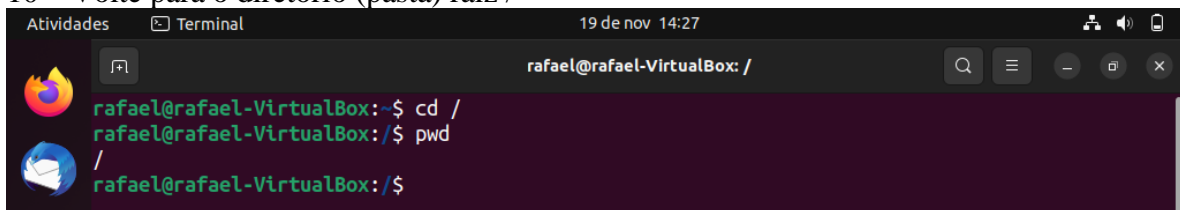
```
Atividades Terminal 19 de nov 14:25
rafael@rafael-VirtualBox: ~
rafael@rafael-VirtualBox:~$ ls -la
total 72
drwxr-x--- 14 rafael rafael 4096 nov 19 13:57 .
drwxr-xr-x 3 root root 4096 nov 17 11:00 ..
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 'Área de Trabalho'
-rw----- 1 rafael rafael 27 nov 19 13:57 .bash_history
-rw-r--r-- 1 rafael rafael 220 nov 17 11:00 .bash_logout
-rw-r--r-- 1 rafael rafael 3771 nov 17 11:00 .bashrc
drwx----- 11 rafael rafael 4096 nov 19 13:54 .cache
drwx----- 11 rafael rafael 4096 nov 17 11:13 .config
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Documentos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Downloads
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Imagens
drwx----- 3 rafael rafael 4096 nov 17 11:11 .local
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Modelos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Música
-rw-r--r-- 1 rafael rafael 807 nov 17 11:00 .profile
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Público
drwx----- 3 rafael rafael 4096 nov 17 11:11 snap
-rw-r--r-- 1 rafael rafael 0 nov 19 13:56 .sudo_as_admin_successful
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Vídeos
rafael@rafael-VirtualBox:~$ ls -a
. .bashrc Imagens Público
.. .cache .local snap
'Área de Trabalho' .config Modelos .sudo_as_admin_successful
.bash_history Documentos Música Vídeos
.bash_logout Downloads .profile
rafael@rafael-VirtualBox:~$
```

9 – Mostre o caminho para o diretório atual.



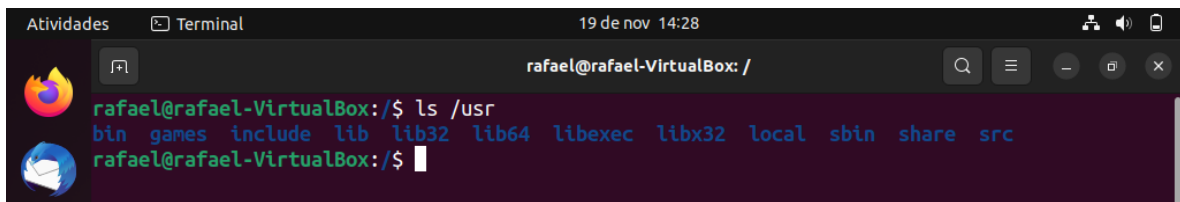
```
rafael@rafael-VirtualBox: ~$ pwd
/home/rafael
rafael@rafael-VirtualBox: ~$
```

10 – Volte para o diretório (pasta) raiz /



```
rafael@rafael-VirtualBox: ~$ cd /
rafael@rafael-VirtualBox: /$ pwd
/
rafael@rafael-VirtualBox: /$
```

10.5 – Verifique se existe a pasta *usr*



```
rafael@rafael-VirtualBox: /$ ls /usr
bin  games  include  lib  lib32  lib64  libexec  libx32  local  sbin  share  src
rafael@rafael-VirtualBox: /$
```

11 – Entre no diretório /usr



```
rafael@rafael-VirtualBox: /$ cd usr
rafael@rafael-VirtualBox: /usr$ pwd
/usr
rafael@rafael-VirtualBox: /usr$
```

12 – Volte para o diretório (pasta) raiz /



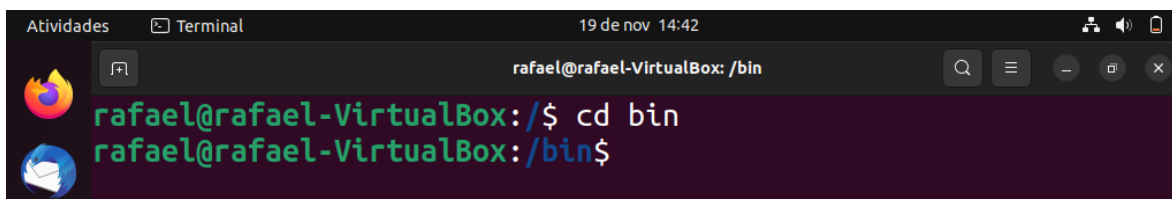
```
rafael@rafael-VirtualBox: /usr$ cd ..
rafael@rafael-VirtualBox: /$
```

13 – Exiba o espaço livre de cada hda do seu disco.



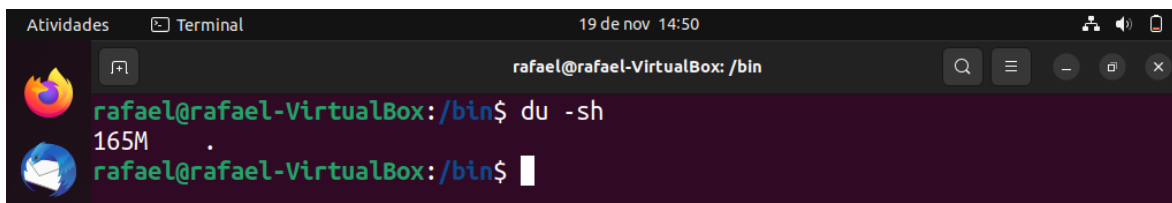
```
rafael@rafael-VirtualBox: /$ sudo df -h
[sudo] senha para raphael:
12345
Sinto muito, tente novamente.
[sudo] senha para raphael:
Sist. Arq.      Tam. Usado Disp. Uso% Montado em
tmpfs           290M  1,6M  288M   1% /run
/dev/sda2       15G   8,0G   5,9G  58% /
tmpfs           1,5G    0  1,5G   0% /dev/shm
tmpfs           5,0M  4,0K   5,0M   1% /run/lock
/dev/sda1       511M  5,3M   506M   2% /boot/efi
tmpfs           290M  112K   290M   1% /run/user/1000
rafael@rafael-VirtualBox:/$
```

14 – Entre no diretório bin.



```
rafael@rafael-VirtualBox: /bin
rafael@rafael-VirtualBox:/$ cd bin
rafael@rafael-VirtualBox:/bin$
```

15 – Mostre o espaço ocupado pelos arquivos e diretórios do diretório atual



```
rafael@rafael-VirtualBox: /bin
rafael@rafael-VirtualBox:/bin$ du -sh
165M  .
rafael@rafael-VirtualBox:/bin$
```

16 - Exiba o espaço livre de cada hda do seu disco em MB.

```
Atividades Terminal 19 de nov 14:53
rafael@rafael-VirtualBox: /bin

rafael@rafael-VirtualBox:/bin$ df -BM
Sist. Arq.      Blocos de 1M Usado Disponível Uso% Montado em
tmpfs           290M      2M      288M      1% /run
/dev/sda2       14841M    8098M    5969M     58% /
tmpfs           1448M      0M     1448M      0% /dev/shm
tmpfs            5M       1M       5M       1% /run/lock
/dev/sda1        511M      6M     506M      2% /boot/efi
tmpfs           290M      1M     290M      1% /run/user/1000

rafael@rafael-VirtualBox:/bin$ sudo df -BM
Sist. Arq.      Blocos de 1M Usado Disponível Uso% Montado em
tmpfs           290M      2M      288M      1% /run
/dev/sda2       14841M    8098M    5969M     58% /
tmpfs           1448M      0M     1448M      0% /dev/shm
tmpfs            5M       1M       5M       1% /run/lock
/dev/sda1        511M      6M     506M      2% /boot/efi
tmpfs           290M      1M     290M      1% /run/user/1000

rafael@rafael-VirtualBox:/bin$
```

17 - Exiba o espaço livre de cada hda do seu disco em KB.

```
Atividades Terminal 19 de nov 14:55
rafael@rafael-VirtualBox: /

rafael@rafael-VirtualBox:/ $ sudo df -BK
Sist. Arq.      Blocos de 1K Usado Disponível Uso% Montado em
tmpfs           296380K    1544K    294836K      1% /run
/dev/sda2       15196588K  8291356K  6111480K     58% /
tmpfs           1481884K      0K    1481884K      0% /dev/shm
tmpfs            5120K       4K     5116K       1% /run/lock
/dev/sda1        523244K    5364K    517880K      2% /boot/efi
tmpfs           296376K     116K    296260K      1% /run/user/1000

rafael@rafael-VirtualBox:/ $
```

18 – Limpe a tela

```
Atividades Terminal 19 de nov 14:56
rafael@rafael-VirtualBox: /

rafael@rafael-VirtualBox:/ $ clear
```

19 - Exiba o espaço livre de cada hda do seu disco em KB.

```
Atividades Terminal 19 de nov 14:55
rafael@rafael-VirtualBox: /

rafael@rafael-VirtualBox:/$ sudo df -BK
Sist. Arq.      Blocos de 1K  Usado Disponível  Uso% Montado em
tmpfs           296380K    1544K    294836K      1% /run
/dev/sda2       15196588K  8291356K  6111480K     58% /
tmpfs           1481884K      0K    1481884K      0% /dev/shm
tmpfs           5120K        4K     5116K       1% /run/lock
/dev/sda1       523244K    5364K    517880K      2% /boot/efi
tmpfs           296376K    116K    296260K      1% /run/user/1000
rafael@rafael-VirtualBox:/$
```

20 - Exiba o espaço livre de cada hda do seu disco em MB

```
Atividades Terminal 19 de nov 14:53
rafael@rafael-VirtualBox: /bin

rafael@rafael-VirtualBox:/bin$ df -BM
Sist. Arq.      Blocos de 1M  Usado Disponível  Uso% Montado em
tmpfs           290M      2M     288M      1% /run
/dev/sda2       14841M  8098M    5969M     58% /
tmpfs           1448M      0M    1448M      0% /dev/shm
tmpfs           5M        1M      5M       1% /run/lock
/dev/sda1       511M      6M     506M      2% /boot/efi
tmpfs           290M      1M     290M      1% /run/user/1000
rafael@rafael-VirtualBox:/bin$ sudo df -BM
Sist. Arq.      Blocos de 1M  Usado Disponível  Uso% Montado em
tmpfs           290M      2M     288M      1% /run
/dev/sda2       14841M  8098M    5969M     58% /
tmpfs           1448M      0M    1448M      0% /dev/shm
tmpfs           5M        1M      5M       1% /run/lock
/dev/sda1       511M      6M     506M      2% /boot/efi
tmpfs           290M      1M     290M      1% /run/user/1000
rafael@rafael-VirtualBox:/bin$
```

21 – Limpe a tela.

```
Atividades Terminal 19 de nov 14:56
rafael@rafael-VirtualBox: /

rafael@rafael-VirtualBox:/$ clear
```

22 – Mostre o espaço ocupado pelo diretório atual em KB.

```
Atividades Terminal 19 de nov 15:02
rafael@rafael-VirtualBox: /bin
rafael@rafael-VirtualBox:/bin$ du -sk
167956 .
rafael@rafael-VirtualBox:/bin$
```

23 – Diga quanto tempo você já utilizou o computador hoje.

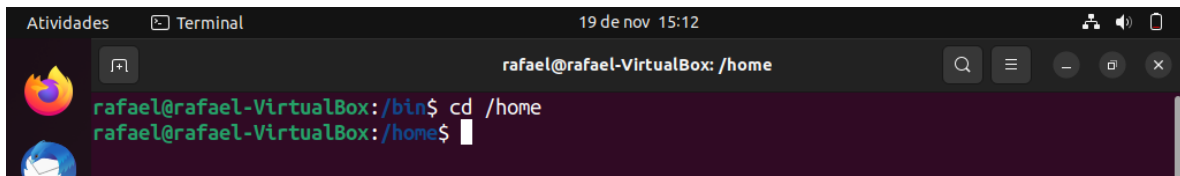
```
Atividades Terminal 19 de nov 15:05
rafael@rafael-VirtualBox: /bin
rafael@rafael-VirtualBox:/bin$ uptime
15:05:13 up 1:21, 1 user, load average: 0,42, 0,23, 0,16
rafael@rafael-VirtualBox:/bin$ w
15:05:29 up 1:21, 1 user, load average: 0,32, 0,22, 0,16
USUARIO TTY DE LOGIN@ OCIOSO JCPU PCPU
O QUE
rafael tty2 tty2 13:48 1:15m 0.12s 0.10
s /usr/li
rafael@rafael-VirtualBox:/bin$
```

23 – Diga quanto há de memória livre em seu computador.

```
Atividades Terminal 19 de nov 15:11
rafael@rafael-VirtualBox: /bin
rafael@rafael-VirtualBox:/bin$ free
total used free shared buff/cache available
Mem.: 2963772 719364 91608 40088 2152800 2026656
Swap: 720136 524 719612
rafael@rafael-VirtualBox:/bin$ free -h
total used free shared buff/cache available
Mem.: 2,8Gi 701Mi 95Mi 34Mi 2,0Gi 1,9Gi
Swap: 703Mi 0,0Ki 702Mi
rafael@rafael-VirtualBox:/bin$ free -m
total used free shared buff/cache available
Mem.: 2894 701 95 34 2097 1985
Swap: 703 0 702
rafael@rafael-VirtualBox:/bin$ free -k
total used free shared buff/cache available
Mem.: 2963772 717892 97708 35456 2148172 2032760
Swap: 720136 524 719612
rafael@rafael-VirtualBox:/bin$ free -g
total used free shared buff/cache available
Mem.: 2 0 0 0 2 1
Swap: 0 0 0
rafael@rafael-VirtualBox:/bin$
```

24 – Entre no seu diretório home

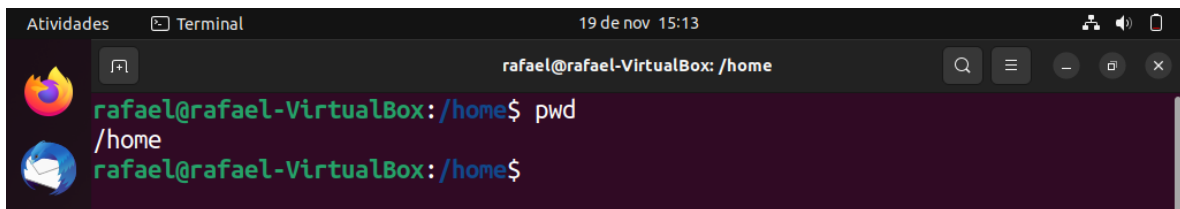




A terminal window titled 'Atividades' and 'Terminal' with a timestamp of '19 de nov 15:12'. The prompt is 'rafael@rafael-VirtualBox: /home'. The user enters 'cd /home' and the prompt changes to 'rafael@rafael-VirtualBox: /home\$'.

```
rafael@rafael-VirtualBox: /home$ cd /home
rafael@rafael-VirtualBox: /home$
```

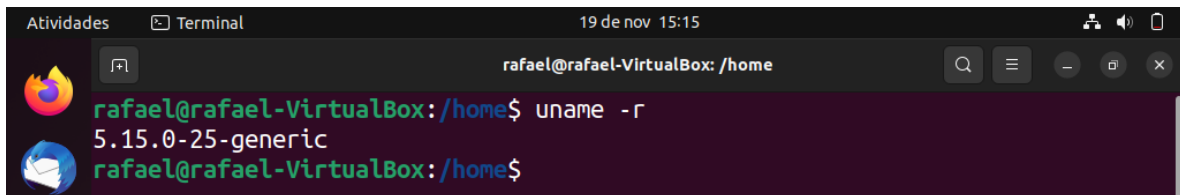
25 – Mostre o caminho do diretório atual.



A terminal window titled 'Atividades' and 'Terminal' with a timestamp of '19 de nov 15:13'. The prompt is 'rafael@rafael-VirtualBox: /home'. The user enters 'pwd' and the output is '/home'. The prompt then changes to 'rafael@rafael-VirtualBox: /home\$'.

```
rafael@rafael-VirtualBox: /home$ pwd
/home
rafael@rafael-VirtualBox: /home$
```

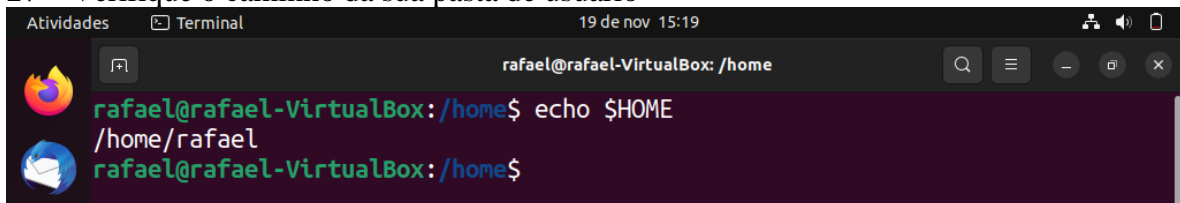
26 – Qual a versão do Kernel do seu sistema.



A terminal window titled 'Atividades' and 'Terminal' with a timestamp of '19 de nov 15:15'. The prompt is 'rafael@rafael-VirtualBox: /home'. The user enters 'uname -r' and the output is '5.15.0-25-generic'. The prompt then changes to 'rafael@rafael-VirtualBox: /home\$'.

```
rafael@rafael-VirtualBox: /home$ uname -r
5.15.0-25-generic
rafael@rafael-VirtualBox: /home$
```

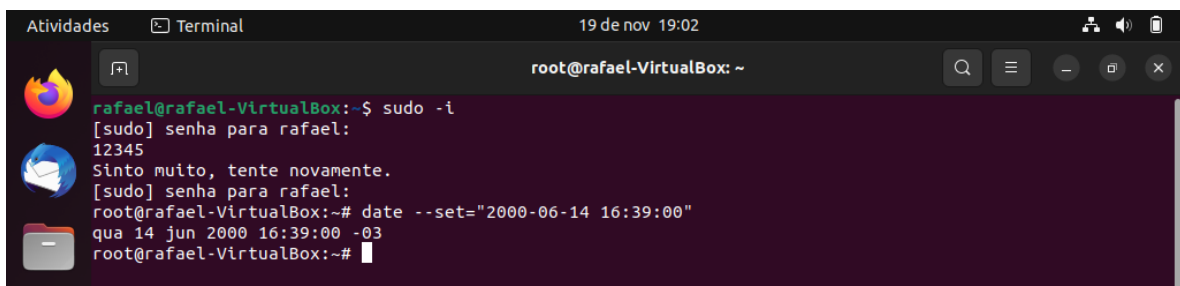
27 – Verifique o caminho da sua pasta de usuário



A terminal window titled 'Atividades' and 'Terminal' with a timestamp of '19 de nov 15:19'. The prompt is 'rafael@rafael-VirtualBox: /home'. The user enters 'echo \$HOME' and the output is '/home/rafael'. The prompt then changes to 'rafael@rafael-VirtualBox: /home\$'.

```
rafael@rafael-VirtualBox: /home$ echo $HOME
/home/rafael
rafael@rafael-VirtualBox: /home$
```

28 – Altere a data para 14/06/00 as 16:39



A terminal window titled 'Atividades' and 'Terminal' with a timestamp of '19 de nov 19:02'. The prompt is 'root@rafael-VirtualBox: ~'. The user enters 'sudo -i' and is prompted for a password. After entering '12345', the prompt changes to 'root@rafael-VirtualBox:~#'. The user then enters 'date --set="2000-06-14 16:39:00"' and the output is 'qua 14 jun 2000 16:39:00 -03'. The prompt then changes to 'root@rafael-VirtualBox:~#'.

```
rafael@rafael-VirtualBox:~$ sudo -i
[sudo] senha para rafaél:
12345
Sinto muito, tente novamente.
[sudo] senha para rafaél:
root@rafael-VirtualBox:~# date --set="2000-06-14 16:39:00"
qua 14 jun 2000 16:39:00 -03
root@rafael-VirtualBox:~#
```

29 – Execute um comando como usuário administrador.

```
Atividades Terminal 19 de nov 19:06
root@rafael-VirtualBox: ~
root@rafael-VirtualBox:~# sudo apt-get update
Obter:1 http://br.archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Obter:2 http://br.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Obter:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Obter:4 http://br.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Obter:5 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1.395 kB]
Obter:6 http://br.archive.ubuntu.com/ubuntu jammy/main i386 Packages [1.040 kB]
Obter:7 http://br.archive.ubuntu.com/ubuntu jammy/main Translation-pt [161 kB]
Obter:8 http://br.archive.ubuntu.com/ubuntu jammy/main Translation-pt_BR [317 kB]
Obter:9 http://br.archive.ubuntu.com/ubuntu jammy/main Translation-en [510 kB]
Obter:10 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 DEP-11 Metadata [423 kB]
Obter:11 http://br.archive.ubuntu.com/ubuntu jammy/main DEP-11 48x48 Icons [100,0 kB]
Obter:12 http://br.archive.ubuntu.com/ubuntu jammy/main DEP-11 64x64 Icons [148 kB]
Obter:13 http://br.archive.ubuntu.com/ubuntu jammy/main DEP-11 64x64@2 Icons [15,8 kB]
Obter:14 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 c-n-f Metadata [30,3 kB]
Obter:15 http://br.archive.ubuntu.com/ubuntu jammy/restricted i386 Packages [30,4 kB]
Obter:16 http://br.archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [129 kB]
Obter:17 http://br.archive.ubuntu.com/ubuntu jammy/restricted Translation-pt [744 B]
Obter:18 http://br.archive.ubuntu.com/ubuntu jammy/restricted Translation-pt_BR [748 B]
Obter:19 http://br.archive.ubuntu.com/ubuntu jammy/restricted Translation-en [18,6 kB]
Obter:20 http://br.archive.ubuntu.com/ubuntu jammy/restricted amd64 c-n-f Metadata [488 B]
Obter:21 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14,1 MB]
Obter:22 http://security.ubuntu.com/ubuntu jammy-security/main i386 Packages [363 kB]
Obter:23 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [953 kB]
Obter:24 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [188 kB]
Obter:25 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43,0 kB]
Obter:26 http://security.ubuntu.com/ubuntu jammy-security/main DEP-11 48x48 Icons [16,9 kB]
Obter:27 http://security.ubuntu.com/ubuntu jammy-security/main DEP-11 64x64 Icons [26,5 kB]
Obter:28 http://security.ubuntu.com/ubuntu jammy-security/main DEP-11 64x64@2 Icons [29 B]
Obter:29 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [11,4 kB]
Obter:30 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1.093 kB]
Obter:31 http://br.archive.ubuntu.com/ubuntu jammy/universe i386 Packages [7.474 kB]
Obter:32 http://security.ubuntu.com/ubuntu jammy-security/restricted i386 Packages [32,4 kB]
Obter:33 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [178 kB]
Obter:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [520 B]
Obter:35 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [795 kB]
Obter:36 http://security.ubuntu.com/ubuntu jammy-security/universe i386 Packages [565 kB]
Obter:37 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [147 kB]
Obter:38 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [55,4 kB]
```

30 – Deixe o texto em sua tela negrito. (Esses comandos somente funcionarão se executados no terminal em completo modo texto (CTRL +ALT+F3))

setterm -bold on

```
rafael@rafael-VirtualBox:~$ setterm -bold on
rafael@rafael-VirtualBox:~$
```

setterm --help |more

```

Uso:
  setterm [opções]

Define os atributos de um terminal.

Opções:
--term <terminal_name>      override TERM environment variable
--reset                     reset terminal to power-on state
--resize                    reset terminal rows and columns
--initialize                display init string, and use default settings
--default                   use default terminal settings
--store                     save current terminal settings as default

--cursor on|off             display cursor
--repeat on|off             keyboard repeat
--appcursorkeys on|off     cursor key application mode
--linewidth on|off         continue on a new line when a line is full
--invertscreen on|off       swap colors for the whole screen

--msg on|off                send kernel messages to console
--msglevel <0-8>           kernel console log level

--foreground default|<color> set foreground color
--background default|<color> set background color
--ulcolor [bright] <color>  set underlined text color
--hbcolor [bright] <color>  set half-bright text color
<color>: black blue cyan green grey magenta red white yellow

--bold on|off               bold
--half-bright on|off        dim
--blink on|off              blink
--underline on|off          underline
--reverse on|off            swap foreground and background colors

--clear[=<all|rest>]         clear screen and set cursor position
--tabs[=<number>...]         set these tab stop positions, or show them
--clrtabs[=<number>...]      clear these tab stop positions, or all
--regtabs[=1-160]           set a regular tab stop interval
--blank[=0-60|force|poke]   set time of inactivity before screen blanks

--dump[=<number>]           write vcsa<number> console dump to file
--append <number>           append vcsa<number> console dump to file
--file <filename>           name of the dump file

--powersave on|vsync|hsync|powerdown|off
                             set vesa powersaving features
--Mais--
--powerdown[=<0-60>]        set vesa powerdown interval in minutes

--blength[=<0-2000>]        duration of the bell in milliseconds
--bfreq[=<number>]          bell frequency in Hertz

--help                      display this help
--version                   display version

```

## setterm -background magenta

```

rafael@rafael-VirtualBox:~$ setterm -background magenta
rafael@rafael-VirtualBox:~$ cor de fundo magenta

```

## setterm -foreground yellow

```

rafael@rafael-VirtualBox:~$ setterm -foreground yellow
rafael@rafael-VirtualBox:~$ letras de cor amarela_

```

## setterm -default

```

rafael@rafael-VirtualBox:~$ setterm -default
rafael@rafael-VirtualBox:~$ a partir daqui a formatação volta ao padrão
a: comando não encontrado
rafael@rafael-VirtualBox:~$ _

```

## 31 – Mostre os arquivos na vertical.

ls -l

```
rafael@rafael-VirtualBox:~$ ls -l
total 36
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 'Área de Trabalho'
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Documentos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Downloads
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Imagens
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Modelos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Música
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Público
drwx----- 3 rafael rafael 4096 nov 17 11:11 snap
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Videos
rafael@rafael-VirtualBox:~$ _
```

32 – Volte o texto ao normal.  
**setterm -bold**

```
rafael@rafael-VirtualBox:~$ setterm -bold on
rafael@rafael-VirtualBox:~$ setterm -bold off
rafael@rafael-VirtualBox:~$ texto normal
```

33 – Deixe o texto em sua tela piscando.  
**setterm -blink**

```
rafael@rafael-VirtualBox:~$ setterm blink on
rafael@rafael-VirtualBox:~$ setterm -blink on
rafael@rafael-VirtualBox:~$ setterm --blink on
rafael@rafael-VirtualBox:~$
```

(Não funcionou em nenhum dos casos)

34 – Mostre os arquivos na horizontal.

```
rafael@rafael-VirtualBox:~$ ls
'Área de Trabalho'  Documentos  Downloads  Imagens  Modelos  Música  Público  snap  Videos
rafael@rafael-VirtualBox:~$
```

35 – Volte ao normal.  
**setterm -blink**

```
rafael@rafael-VirtualBox:~$ setterm -blink off
rafael@rafael-VirtualBox:~$
```

36 – Mude a cor do fundo da tela para vermelha.  
**setterm – background red – store**

```
rafael@rafael-VirtualBox:~$ setterm -background red -store
rafael@rafael-VirtualBox:~$ cor do fundo vermelha
O comando 'cor' não foi encontrado, mas existem 15 semelhantes.
rafael@rafael-VirtualBox:~$ _
```

```
rafael@rafael-VirtualBox:~$ _
```

37 – Mostre os arquivos na vertical junto aos arquivos ocultos.  
**ls -la**

```

rafael@rafael-VirtualBox:~$ ls -la
total 72
drwxr-x--- 14 rafael rafael 4096 nov 19 13:57 .
drwxr-xr-x  3 root   root   4096 nov 17 11:00 ..
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 'Área de Trabalho'
-rw-r----- 1 rafael rafael   27 nov 19 13:57 .bash_history
-rw-r--r--  1 rafael rafael  220 nov 17 11:00 .bash_logout
-rw-r--r--  1 rafael rafael 3771 nov 17 11:00 .bashrc
drwx----- 12 rafael rafael 4096 nov 19 19:08 .cache
drwx----- 12 rafael rafael 4096 nov 19 15:04 .config
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Documentos
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Downloads
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Imagens
drwx----- 3 rafael rafael 4096 nov 17 11:11 .local
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Modelos
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Música
-rw-r--r--  1 rafael rafael   807 nov 17 11:00 .profile
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Público
drwx----- 3 rafael rafael 4096 nov 17 11:11 snap
-rw-r--r--  1 rafael rafael    0 nov 19 13:56 .sudo_as_admin_successful
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Videos
rafael@rafael-VirtualBox:~$

```

38 – Limpe a tela.  
clear

```

rafael@rafael-VirtualBox:~$ ls -la
total 72
drwxr-x--- 14 rafael rafael 4096 nov 19 13:57 .
drwxr-xr-x  3 root   root   4096 nov 17 11:00 ..
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 'Área de Trabalho'
-rw-r----- 1 rafael rafael   27 nov 19 13:57 .bash_history
-rw-r--r--  1 rafael rafael  220 nov 17 11:00 .bash_logout
-rw-r--r--  1 rafael rafael 3771 nov 17 11:00 .bashrc
drwx----- 12 rafael rafael 4096 nov 19 19:08 .cache
drwx----- 12 rafael rafael 4096 nov 19 15:04 .config
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Documentos
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Downloads
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Imagens
drwx----- 3 rafael rafael 4096 nov 17 11:11 .local
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Modelos
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Música
-rw-r--r--  1 rafael rafael   807 nov 17 11:00 .profile
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Público
drwx----- 3 rafael rafael 4096 nov 17 11:11 snap
-rw-r--r--  1 rafael rafael    0 nov 19 13:56 .sudo_as_admin_successful
drwxr-xr-x  2 rafael rafael 4096 nov 17 11:11 Videos
rafael@rafael-VirtualBox:~$ clear_

```

```

rafael@rafael-VirtualBox:~$ _

```

39 – Mude a cor do texto para amarelo permanente.  
setterm –foreground yellow -store

```
rafael@rafael-VirtualBox:~$ setterm -background yellow -store
rafael@rafael-VirtualBox:~$ cor do fundo amarela
0 comando 'cor' não foi encontrado, mas existem 15 semelhantes.
rafael@rafael-VirtualBox:~$ setterm -foreground black
rafael@rafael-VirtualBox:~$ deixando a cor da letra preta para enxergar _
```

```
rafael@rafael-VirtualBox:~$ _
```

## 40 – Mostre os arquivos na horizontal.

```
rafael@rafael-VirtualBox:~$ ls
'Área de Trabalho'  Documentos  Downloads  Imagens  Modelos  Música  Público  snap  Vídeos
rafael@rafael-VirtualBox:~$
```

## 41 – Limpe a tela.

```
rafael@rafael-VirtualBox:~$ ls
'Área de Trabalho'  Documentos  Downloads  Imagens  Modelos  Música  Público  snap  Vídeos
rafael@rafael-VirtualBox:~$ setterm -foreground black -store
rafael@rafael-VirtualBox:~$ clear
```

```
rafael@rafael-VirtualBox:~$ _
```

## 42 – Mude a cor do texto para azul permanente. setterm -foreground blue -store

```
rafael@rafael-VirtualBox:~$ setterm -background blue -store
rafael@rafael-VirtualBox:~$ cor de fundo azul
0 comando 'cor' não foi encontrado, mas existem 15 semelhantes.
rafael@rafael-VirtualBox:~$ setterm -foreground white -store
rafael@rafael-VirtualBox:~$ deixando branco para enxergar
```

```
rafael@rafael-VirtualBox:~$ _
```

44 – Mostre os arquivos na vertical e com pausa.  
`ls -l |more`

```
rafael@rafael-VirtualBox:~$ ls -l |more
total 36
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Área de Trabalho
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Documentos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Downloads
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Imagens
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Modelos
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Música
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Público
drwx----- 3 rafael rafael 4096 nov 17 11:11 snap
drwxr-xr-x 2 rafael rafael 4096 nov 17 11:11 Videos
rafael@rafael-VirtualBox:~$
```

45 – Mude o fundo para verde permanente.  
`setterm -background green -store`

```
rafael@rafael-VirtualBox:~$ setterm -background green -store
rafael@rafael-VirtualBox:~$ com o fundo verde e letras pretas para ler
```

```
rafael@rafael-VirtualBox:~$ _
```

46 – Mude a letra e o fundo para suas cores originais.  
`setterm -background black -store`

setterm -foreground white -store

```
rafael@rafael-VirtualBox:~$ setterm -background black -store  
rafael@rafael-VirtualBox:~$ clear_
```

```
rafael@rafael-VirtualBox:~$
```

47 – Digite o comando para desligar o linux. (mas não tecle enter).  
shutdown -h now

```
rafael@rafael-VirtualBox:~$ shutdown -h now
```