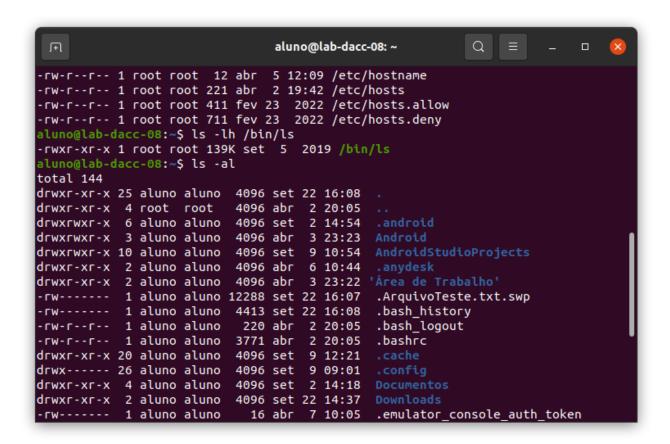
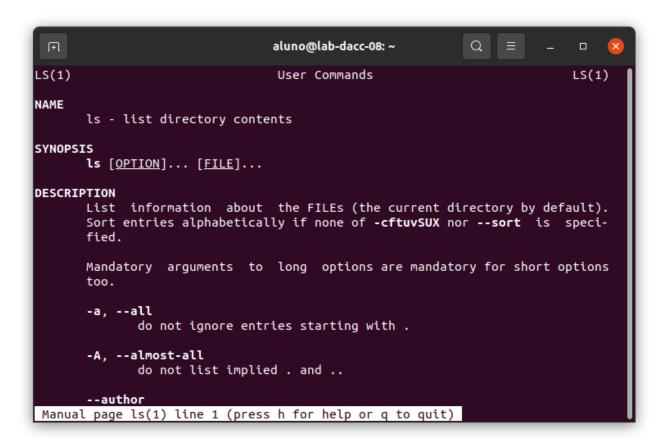
```
aluno@lab-dacc-08: ~
aluno@lab-dacc-08:~$ ls
 Android
                                        Modelos
                                                   Vídeos
'Área de Trabalho'
                                        Público
aluno@lab-dacc-08:~$ pwd
/home/aluno
aluno@lab-dacc-08:~$ cat /etc/lsb-release
DISTRIB ID=Ubuntu
DISTRIB RELEASE=20.04
DISTRIB CODENAME=focal
DISTRIB DESCRIPTION="Ubuntu 20.04.4 LTS"
aluno@lab-dacc-08:~$ ls -l /bin/ls
-rwxr-xr-x 1 root root 142144 set 5 2019 /bin/ls
aluno@lab-dacc-08:~$ ls /etc/host*
/etc/host.conf /etc/hostname /etc/hosts.allow
/etc/hostid
                /etc/hosts
                                 /etc/hosts.deny
aluno@lab-dacc-08:~$ ls -l /etc/host
ls: não foi possível acessar '/etc/host': Arquivo ou diretório inexistente
aluno@lab-dacc-08:~$ ls -l /etc/host*
-rw-r--r-- 1 root root 92 dez 5 2019 /etc/host.conf
-rw-r--r-- 1 root root 4 fev 23 2022 /etc/hostid
-rw-r--r-- 1 root root 12 abr 5 12:09 /etc/hostname
-rw-r--r-- 1 root root 221 abr 2 19:42 /etc/hosts
-rw-r--r-- 1 root root 411 fev 23 2022 /etc/hosts.allow
```



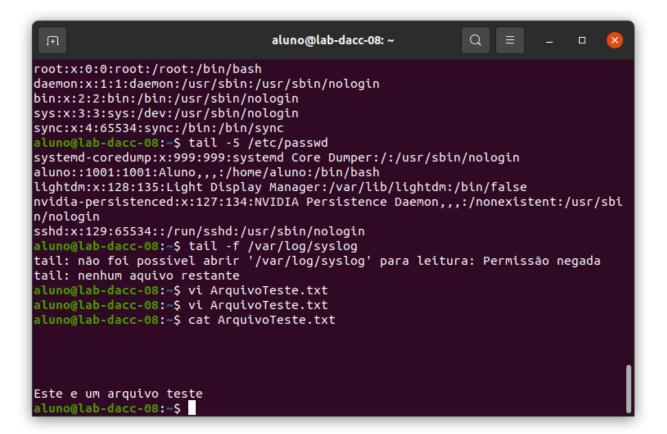
```
aluno@lab-dacc-08: ~
                                                                     -rw-r--r-- 1 aluno aluno
                         3771 abr
                                   2 20:05
                                           .bashrc
drwxr-xr-x 20 aluno aluno
                         4096 set
                                  9 12:21
drwx----- 26 aluno aluno
                         4096 set
                                  9 09:01
                                           .config
drwxr-xr-x 4 aluno aluno
                         4096 set
                                 2 14:18
drwxr-xr-x 2 aluno aluno
                         4096 set 22 14:37
-rw----- 1 aluno aluno
                         16 abr
                                 7 10:05
                                           .emulator_console_auth_token
drwx----- 3 aluno aluno
                         4096 set 22 16:09 .gnupg
drwxrwxr-x 8 aluno aluno
                         4096 set
                                 2 14:43
drwxr-xr-x 3 aluno aluno
                         4096 abr
                                  7 16:27
drwxrwxr-x 4 aluno aluno 4096 abr
                                  3 23:22
drwxr-xr-x 3 aluno aluno 4096 abr
                                 2 20:18
drwxr-xr-x 2 aluno aluno 4096 abr
                                 3 22:49 Modelos
drwx----- 4 aluno aluno 4096 abr 6 11:35
                                           .mozilla
drwxr-xr-x 2 aluno aluno 4096 abr 2 20:18 Música
-rw----- 1 aluno aluno
                          65 abr 7 10:35
                                           .octave_hist
drwx----- 3 aluno aluno 4096 abr 3 23:23 .pki
-rw-r--r-- 1 aluno aluno 807 abr 2 20:05
                                           .profile
drwxr-xr-x 2 aluno aluno 4096 abr 2 20:18 Público
-rw-rw-r-- 1 aluno aluno
                          2 abr 6 15:20
                                           .repo_.gitconfig.json
drwx----- 4 aluno aluno 4096 abr 7 16:29
                                  7 10:39
drwx----- 2 aluno aluno 4096 abr
drwxr-xr-x 3 aluno aluno 4096 abr 7 10:28
                                           Vídeos
drwxrwxr-x 3 aluno aluno 4096 abr 3 23:23
aluno@lab-dacc-08:~$
```



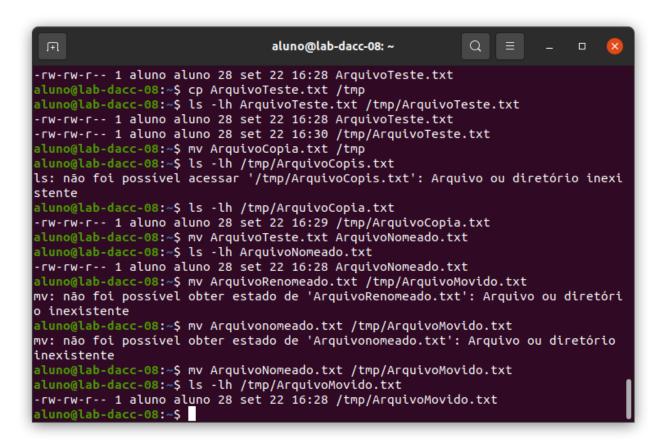
```
aluno@lab-dacc-08: ~
aluno@lab-dacc-08:~$ man ls
aluno@lab-dacc-08:~$ cd /var/log
aluno@lab-dacc-08:/var/log$ pwd
/var/log
aluno@lab-dacc-08:/var/log$ cd ~
aluno@lab-dacc-08:~$ pw
pw: comando não encontrado
aluno@lab-dacc-08:~$ pwd
/home/aluno
aluno@lab-dacc-08:~$ cd /var/log
aluno@lab-dacc-08:/var/log$ cd
aluno@lab-dacc-08:~$ pwd
/home/aluno
aluno@lab-dacc-08:~$ cd .
aluno@lab-dacc-08:~$ pwd
/home/aluno
aluno@lab-dacc-08:~$ cd ...
aluno@lab-dacc-08:/home$ pwd
aluno@lab-dacc-08:/home$ cd -
/home/aluno
aluno@lab-dacc-08:~$ pwd
/home/aluno
aluno@lab-dacc-08:~$
```



```
aluno@lab-dacc-08: ~
                                                                          Essentially:
       - MAIL_DIR defines the location of users mail spool files
         (for mbox use) by appending the username to MAIL DIR as defined
#
#
#
       - MAIL FILE defines the location of the users mail spool files as the
         fully-qualified filename obtained by prepending the user home
aluno@lab-dacc-08:~$ head -5 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
aluno@lab-dacc-08:~$ tail -5 /etc/passwd
systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin
aluno::1001:1001:Aluno,,,:/home/aluno:/bin/bash
lightdm:x:128:135:Light Display Manager:/var/lib/lightdm:/bin/false
nvidia-persistenced:x:127:134:NVIDIA Persistence Daemon,,,:/nonexistent:/usr/sbi
n/nologin
sshd:x:129:65534::/run/sshd:/usr/sbin/nologin
aluno@lab-dacc-08:~$ tail -f /var/log/syslog
tail: não foi possível abrir '/var/log/syslog' para leitura: Permissão negada
tail: nenhum aquivo restante
aluno@lab-dacc-08:~$
```



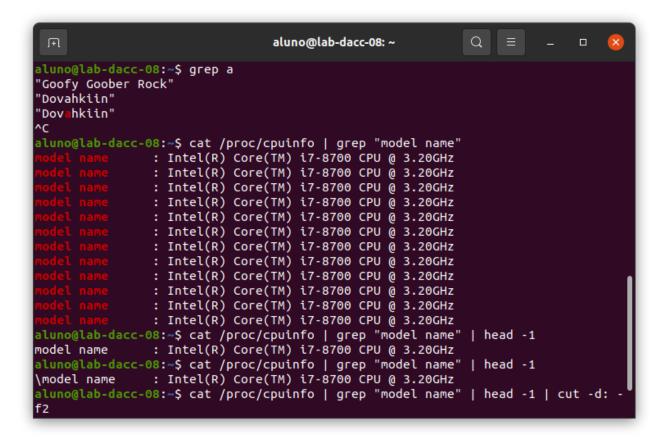




```
aluno@lab-dacc-08:~$ rmdir TesteDir2
aluno@lab-dacc-08:~$ cd TesteDir2
bash: cd: TesteDir2: Arquivo ou diretório inexistente
aluno@lab-dacc-08:~$ mddir TesteDir2
aluno@lab-dacc-08:~$ cd TesteDir2
aluno@lab-dacc-08:~\TesteDir2$ echo "Jebediah kerman" > ArquivoTeste.txt
aluno@lab-dacc-08:~\TesteDir2$ cd ..
aluno@lab-dacc-08:~$ rmdir TesteDir2
rmdir: falhou em remover 'TesteDir2': Diretório não vazio
aluno@lab-dacc-08:~$ rm -rf TesteDir2
aluno@lab-dacc-08:~$ Tm -rf TesteDir2
aluno@lab-dacc-08:~$
```

```
JŦ1
                                aluno@lab-dacc-08: ~
-rwxr-xr-x 1 root root
                           4,5K abr 8 07:05 znew
aluno@lab-dacc-08:~$ echo -e´"(\(\\ \n(-.-)\no_(\")(\")"
()()
o_(")(")
aluno@lab-dacc-08:~$ echo "Primeira linha do arquivo" > ArquivoTeste.txt
aluno@lab-dacc-08:~$ ArquivoTeste.txt
ArquivoTeste.txt: comando não encontrado
aluno@lab-dacc-08:~$ cat ArquivoTeste.txt
Primeira linha do arquivo
aluno@lab-dacc-08:~$ echo "Segunda linha do arquivo (so que nāo)" > Aq
aluno@lab-dacc-08:~$ echo "Segunda linha do arquivo (so que nāo)" > ArquivoTeste
.txt
aluno@lab-dacc-08:~$ cat ArquivoTeste.txt
Segunda linha do arquivo (so que não)
aluno@lab-dacc-08:~$ echo "Segunda linha do arquivo (de verdade)" >> ArquivoTest
e.txt
aluno@lab-dacc-08:~$ cat ArquivoTeste.txt
Segunda linha do arquivo (so que não)
Segunda linha do arquivo (de verdade)
aluno@lab-dacc-08:~$ ls ArquivoInvalido.txt ArquivoTeste.txt > LsStdout.txt
ls: nāo foi possível acessar 'ArquivoInvalido.txt': Arquivo ou diretório inexist
ente
aluno@lab-dacc-08:~$
```

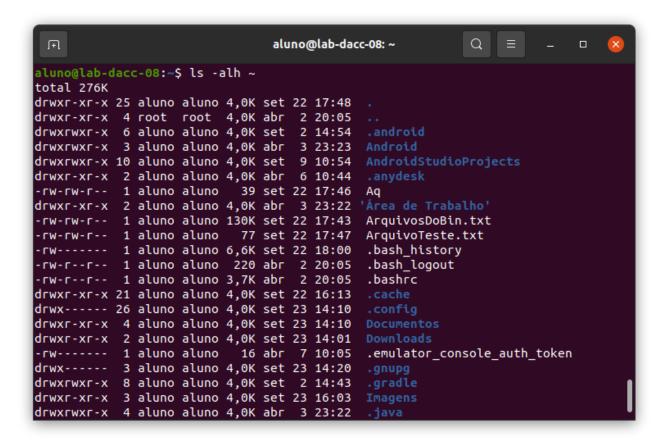
```
aluno@lab-dacc-08: ~
                                                                          Segunda linha do arquivo (so que não)
aluno@lab-dacc-08:~$ echo "Segunda linha do arquivo (de verdade)" >> ArquivoTest
e.txt
aluno@lab-dacc-08:~$ cat ArquivoTeste.txt
Segunda linha do arquivo (so que não)
Segunda linha do arquivo (de verdade)
aluno@lab-dacc-08:~$ ls ArquivoInvalido.txt ArquivoTeste.txt > LsStdout.txt
ls: não foi possível acessar 'ArquivoInvalido.txt': Arquivo ou diretório inexist
ente
aluno@lab-dacc-08:~$ ls ArquivoInvalido.txt ArquivoTeste.txt 2> LsStdout.txt
ArquivoTeste.txt
aluno@lab-dacc-08:~$ cat LsStdout.txt
ls: nāo foi possível acessar 'ArquivoInvalido.txt': Arquivo ou diretório inexist
ente
aluno@lab-dacc-08:~$ LS ArquivoInvalido.txt ArquivoTeste.txt > LsStdout.txt 2> L
aluno@lab-dacc-08:~$ ArquivoInvalido.txt ArquivoTeste.txt &> LsStdout.txt
aluno@lab-dacc-08:~$ ls ArquivoInvalido.txt ArquivoTeste.txt > LsStdout.txt 2> L
aluno@lab-dacc-08:~$ ls ArquivoInvalido.txt ArquivoTeste.txt &> LsStdout.txt
aluno@lab-dacc-08:~$ ls ArquivoInvalido.txt ArquivoTeste.txt 2> /dev/null
ArquivoTeste.txt
aluno@lab-dacc-08:~$ grep a
```



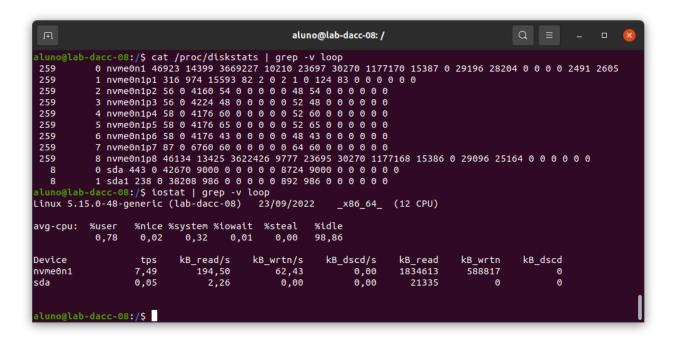
```
aluno@lab-dacc-08: ~
                                                                               : Intel(R) Core(TM) i7-8700 CPU @ 3.20GHz
                 : Intel(R) Core(TM) i7-8700 CPU @ 3.20GHz
aluno@lab-dacc-08:~$ cat /proc/cpuinfo | grep "model name" | head -1
model name : Intel(R) Core(TM) i7-8700 CPU @ 3.20GHz
model name
aluno@lab-dacc-08:~$ cat /proc/cpuinfo | grep "model name" | head -1
                : Intel(R) Core(TM) i7-8700 CPU @ 3.20GHz
\model name
aluno@lab-dacc-08:~$ cat /proc/cpuinfo | grep "model name" | head -1 | cut -d: -
f2
Intel(R) Core(TM) i7-8700 CPU @ 3.20GHz
aluno@lab-dacc-08:~$ cat /proc/cpuinfo | grep "model name" | head -1 | cut -d: -
f2 | cut -c2-
Intel(R) Core(TM) i7-8700 CPU @ 3.20GHz
aluno@lab-dacc-08:~$ cat /etc/passwd | grep h | wc -l
15
aluno@lab-dacc-08:~$ cat /etc/passwd | cut -d: -f1 | grep h
avahi-autoipd
cups-pk-helper
speech-dispatcher
avahi
plip
whoopsie
lightdm
sshd
aluno@lab-dacc-08:~$
```

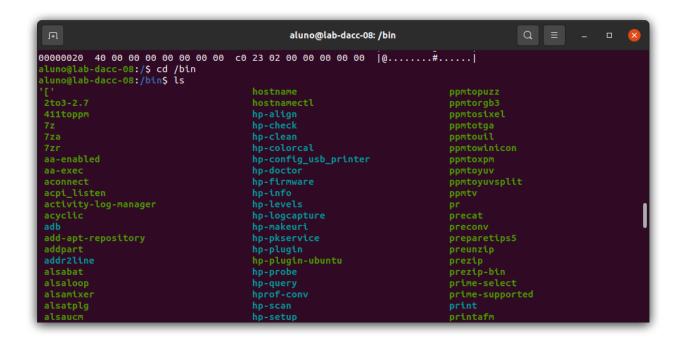
```
aluno@lab-dacc-08: ~
                                                        Q
aluno@lab-dacc-08:~$ ls -flh /etc/passwd /etc/shadow /etc/group
-rw-r--r-- 1 root root 3,1K abr 4 18:00 /etc/passwd
-rw-r---- 1 root shadow 1,8K abr 7 16:38 /etc/shadow
aluno@lab-dacc-08:~$ cat /etc/fstab
# /etc/fstab: static file system information.
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
# <file system> <mount point> <type> <options>
                                                     <dump> <pass>
# / was on /dev/nvme0n1p8 during installation
UUID=bf741425-5ad0-4865-ad66-906781c30d34 /
                                                       ext4
                                                              errors=remount
# /boot/efi was on /dev/nvme0n1p1 during installation
UUID=8E68-D768 /boot/efi
                             vfat
                                     umask=0077
                                                     0
                                                            1
# /media/arquivos was on /dev/sda1 during installation
# swap was on /dev/nvme0n1p7 during installation
UUID=3f6a3ca4-191e-450b-be98-daca5bd7e2c7 none
                                                       swap
                                                              SW
 0
/dev/disk/by-uuid/aa17929a-828c-4123-b88e-75c0748befbd /media/arquivos-linux aut
o defaults 1 1
/dev/disk/by-uuid/B234703834700221 /media/arquivos auto nosuid,nodev,nofail,x-gv
```

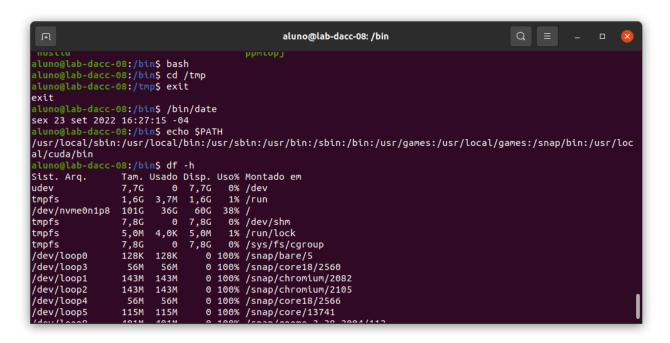
```
aluno@lab-dacc-08: ~
                                                                              60177/tcp
60179/tcp
                                          # fidonet EMSI over telne
# fidonet EMSI over TCP
 fido
fido
aluno@lab-dacc-08:~$ cat /etc/services | grep -P "ssh|http\t|https|ircd"
# Updated from
                     ://www.iana.org/assignments/service-names-port-numbers/servi
ce-names-port-numbers.xhtml .
                                          # SSH Remote Login Protocol
                 22/tcp
                 80/tcp
                                          # WorldWideWeb HTTP
                             WWW
                 443/tcp
                                          # http protocol over TLS/SSL
                 6667/tcp
                                          # Internet Relay Chat
aluno@lab-dacc-08:~$ cat /etc/protocols | grep UDP
        17
                              # user datagram protocol
udplite 136
                                   -Lite [RFC3828]
                    Lite
aluno@lab-dacc-08:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
aluno@lab-dacc-08:~$ cat /etc/timezone
America/Porto_Velho
aluno@lab-dacc-08:~$
```



```
aluno@lab-dacc-08: ~
                                                            Q
                                                                               ×
                                                                           1 aluno aluno 105 set 22 17:52
                                             LsStdout.txt
- FW- FW- F--
            2 aluno aluno 4,0K abr
drwxr-xr-x
                                    3 22:49
                                             Modelos
drwx-----
            4 aluno aluno 4,0K abr
                                    6 11:35
           2 aluno aluno 4,0K abr
drwxr-xr-x
                                    2 20:18
- [W-----
            1 aluno aluno
                                    7 10:35
                                             .octave hist
                           65 abr
drwx----
            3 aluno aluno 4,0K abr
                                    3 23:23
                                             .profile
- FW - F - - F - -
           1 aluno aluno 807 abr
                                    2 20:05
drwxr-xr-x 2 aluno aluno 4,0K abr
                                    2 20:18
                                            Público
-rw-rw-r-- 1 aluno aluno
                            2 abr
                                    6 15:20
                                             .repo_.gitconfig.json
drwx----- 4 aluno aluno 4,0K abr
                                    7 16:29
drwx----- 2 aluno aluno 4,0K abr
                                    7 10:39
drwxr-xr-x 3 aluno aluno 4,0K abr
                                    7 10:28
                                             Vídeos
drwxrwxr-x 3 aluno aluno 4,0K abr
                                    3 23:23
aluno@lab-dacc-08:~$ echo $RANDOM
aluno@lab-dacc-08:~$ echo $RANDOM
17025
aluno@lab-dacc-08:~$ echo $RANDOM
14696
aluno@lab-dacc-08:~$ echo $RANDOM
3633
aluno@lab-dacc-08:~$ echo "Timber Hearth" > /tmp/OuterWilds.txt
aluno@lab-dacc-08:~$ cat /tmp/OuterWilds.txt > /dev/stdout
Timber Hearth
```



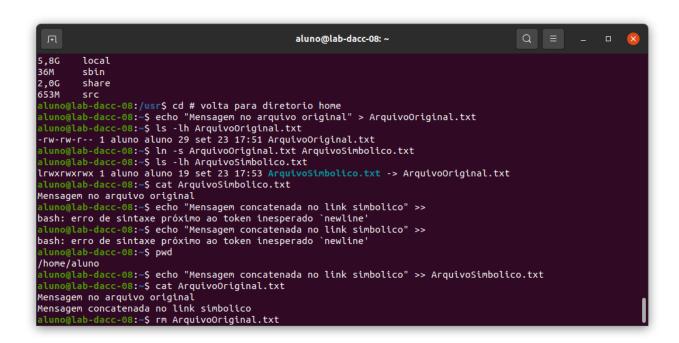






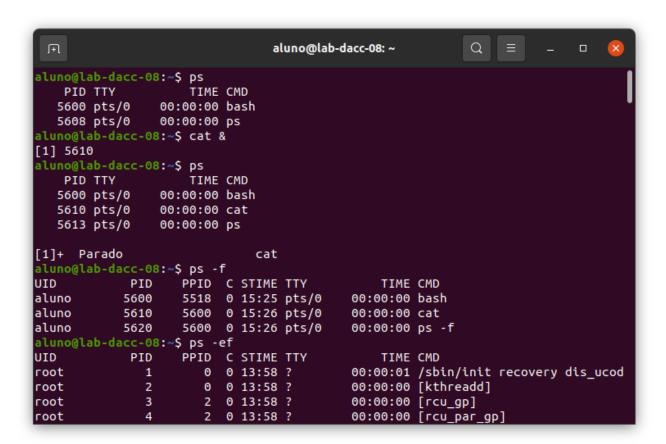


```
aluno@lab-dacc-08: ~
                                                                                                                                                                   Q =
/usr/include/xorg/Xwacom.h
aluno@lab-dacc-08:/$ cd /usr
aluno@lab-dacc-08:/usr$ du -s
aluno@lab-dacc-08:/usr$ du -sh
aluno@lab-dacc-08:/usr$ du -sh *
275M bin
              bin
776K
30M
               games
                include
7,3G
45M
               lib32
4,0K
               lib64
14M
               libexec
42M
               libx32
5,8G
               local
36M
               sbin
               share
653M
aluno@lab-dacc-08:/usr$ cd # volta para diretorio home
aluno@lab-dacc-08:~$ echo "Mensagem no arquivo original" > ArquivoOriginal.txt
aluno@lab-dacc-08:~$ ls -lh ArquivoOriginal.txt
-rw-rw-r-- 1 aluno aluno 29 set 23 17:51 ArquivoOriginal.txt
aluno@lab-dacc-08:~$
```

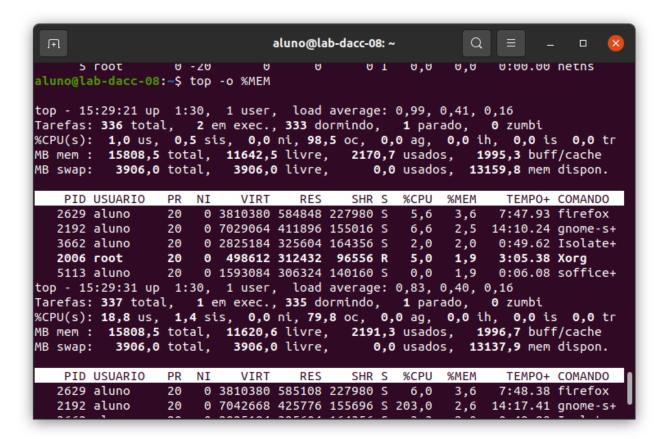


```
aluno@lab-dacc-08:~$ ls -lh ArquivoOriginal12.txt ArquivoLinkFisico.txt
-rw-rw-r-- 1 aluno aluno 36 set 23 18:01 ArquivoLinkFisico.txt
-rw-rw-r-- 2 aluno aluno 31 set 23 17:59 ArquivoOriginal12.txt
aluno@lab-dacc-08:~$ rm ArquivoOriginal12.txt
aluno@lab-dacc-08:-$ fs -lh ArquivoFisico.txt
-rw-rw-r-- 1 aluno aluno 31 set 23 17:59 ArquivoFisico.txt
aluno@lab-dacc-08:-$ ls -lh ArquivoFisico.txt

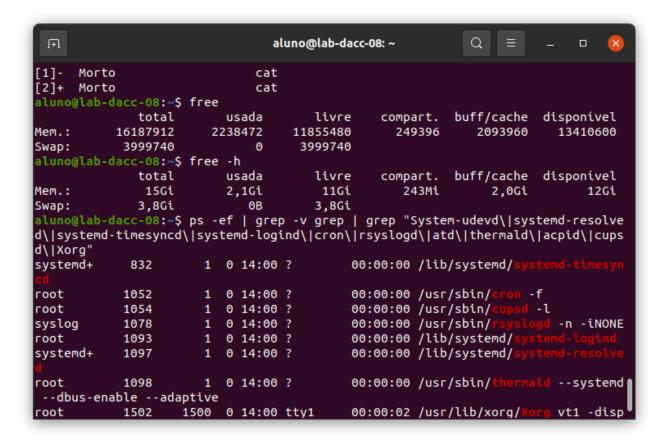
Mensagem concatenada no link fisico
aluno@lab-dacc-08:-$ ls -alh | "\." | head -2
\\.: comando não encontrado
aluno@lab-dacc-08:-$ ls -alh | grep "\." | head -2
drwxr-xr-x 25 aluno aluno 4,0K set 23 18:02 .
drwxr-xr-x 4 root root 4,0K abr 2 20:05 ..
aluno@lab-dacc-08:-$ ls -alh | grep "\." | head -2
drwxr-xr-x 26 aluno aluno 4,0K set 23 18:04 .
drwxr-xr-x 2 aluno aluno 4,0K set 23 18:04 .
drwxr-xr-x 2 aluno aluno 4,0K set 23 18:04 MevoSubDiretorio
dluno@lab-dacc-08:-$ ls -alh | grep NovoSubDiretorio
dluno@lab-dacc-08:-$ ls -alh NovoSubDiretorio/
total 8,0K
drwxr-xr-x 26 aluno aluno 4,0K set 23 18:04 .
drwxr-xr-x 26 aluno aluno 4,0K set 23 18:04 .
drwxr-xr-x 26 aluno aluno 4,0K set 23 18:04 .
aluno@lab-dacc-08:-$
```



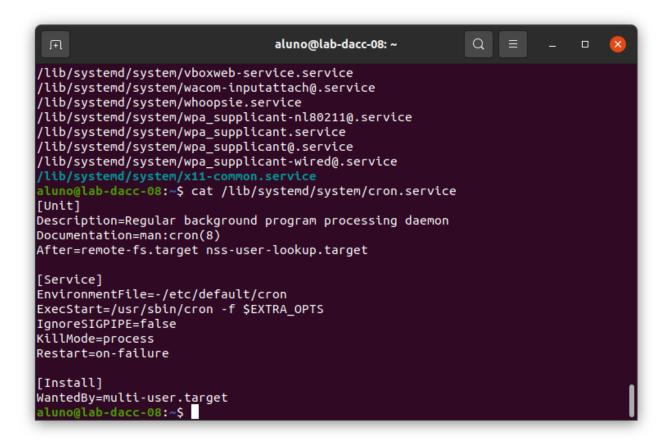
```
×
                                 aluno@lab-dacc-08: ~
aluno@lab-dacc-08:~$ ps -ef | wc -l
aluno@lab-dacc-08:~$ top
top - 15:28:18 up 1:29, 1 user, load average: 0,12, 0,20, 0,09
Tarefas: 334 total, 1 em exec., 332 dormindo, 1 parado, 0 zumbi
%CPU(s): 1,7 us, 0,4 sis, 0,0 ni, 97,9 oc, 0,0 ag, 0,0 ih, 0,0 is 0,0 tr
MB mem : 15808,5 total, 11649,9 livre, 2164,0 usados, 1994,6 buff/cache
MB swap: 3906,0 total,
                          3906,0 livre,
                                               0,0 usados, 13166,7 mem dispon.
   PID USUARIO PR NI
                            VIRT RES SHR S %CPU %MEM TEMPO+ COMANDO
   2192 aluno
                 20 0 7029064 411632 155016 S
                                                         2,5 13:47.27 gnome-s+
                                                   6,6
                                                         3,6
1,9
2,0
0,3
   2629 aluno 20
                      0 3810396 584712 227976 S
                                                   6,3
                                                                7:43.62 firefox
                                                               3:00.64 Xorg
0:47.55 Isolate+
   2006 root
                20 0 499500 313332 96460 S
                                                   4,0
                20
                      0 2825184 325620 164356 S
   3662 aluno
                                                   2,7
                 20 0 816140 52632 39920 S
   5518 aluno
                                                    0,7
                                                                0:01.80 gnome-t+
top - 15:28:36 up 1:29, 1 user, load average: 0,25, 0,22, 0,10
Tarefas: 335 total, 1 em exec., 333 dormindo, 1 parado, 0 zo
                                                              0 zumbi
%CPU(s): 16,9 us, 1,1 sis, 0,0 ni, 81,9 oc, 0,0 ag, 0,0 ih, 0,0 is 0,0 tr
MB mem : 15808,5 total, 11637,5 livre, 2175,1 usados, 1996,0 buff/cache
MB swap: 3906,0 total, 3906,0 livre, 0,0 usados, 13154,3 mem dispon.
    PID USUARIO PR NI
                            VIRT
                                            SHR S %CPU %MEM
                                                                  TEMPO+ COMANDO
                                    RES
   2192 aluno
                      0 7029960 412896 155800 S 187,5 2,6 13:54.81 gnome-s+
                  20
```



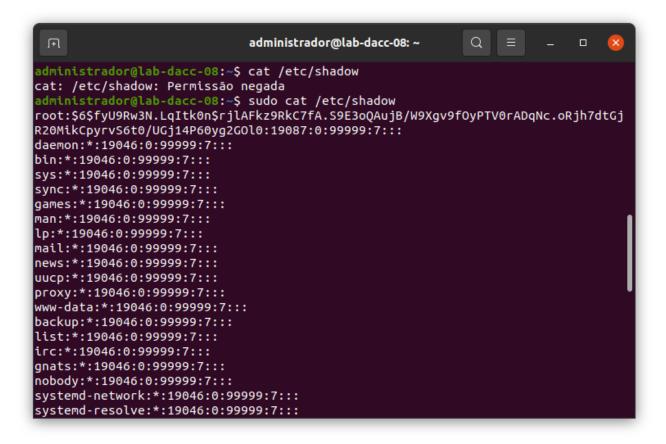
```
Q
                                aluno@lab-dacc-08: ~
   5513 aluno
                  20
                       0
                         865604 57900
                                         42564 S
                                                   0,0
                                                         0,4
                                                               0:00.18 gnome-c+
                         502848 57244
                                                               0:01.71 kdeconn+
   2387 aluno
                                        44240 S
                  20
                       0
                                                   0,0
                                                         0,4
                       0 335676 54720 44312 S
aluno@lab-dacc-08:~$ ps |grep cat | xargs | cut -d" " -f1
   3647 aluno
                                                               0:00.08 RDD Pro+
                                                         0,3
5610
aluno@lab-dacc-08:~$ kill^C
aluno@lab-dacc-08:~$ kill 5610
aluno@lab-dacc-08:~$ ps | grep cat
   5610 pts/0
                00:00:00
aluno@lab-dacc-08:~$ kill -9 5610
aluno@lab-dacc-08:~$ ps | grep cat
[1]+ Morto
                              cat
aluno@lab-dacc-08:~$ cat &
[1] 5886
aluno@lab-dacc-08:~$ cat &
[2] 5887
[1]+ Parado
                              cat
aluno@lab-dacc-08:~$ ps | grep cat
   5886 pts/0
                00:00:00
   5887 pts/0
                 00:00:00
[2]+ Parado
                              cat
aluno@lab-dacc-08:~$
```



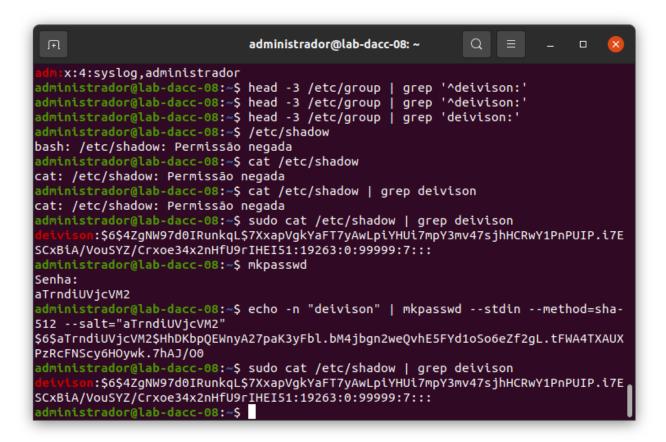
```
Q
                                    aluno@lab-dacc-08: ~
                                                                                  verbose 3
aluno@lab-dacc-08:~$ cat /proc/cmdline
BOOT_IMAGE=/boot/vmlinuz-5.15.0-48-generic root=UUID=bf741425-5ad0-4865-ad66-906
781c30d34 ro recovery nomodeset dis_ucode_ldr
aluno@lab-dacc-08:~$ ls -fd /sbin/init /etc/init /bin/init
ls: não foi possível acessar '/bin/init': Arquivo ou diretório inexistente
/sbin/init /etc/init
aluno@lab-dacc-08:~$ ls -lh /sbin/init
lrwxrwxrwx 1 root root 20 ago 31 11:27 /sbin/init -> /lib/systemd/systemd
aluno@lab-dacc-08:~$ ls /lib/systemd/system/*.service
/lib/systemd/system/accounts-daemon.service
/lib/systemd/system/acpid.service
/lib/systemd/system/alsa-restore.service
/lib/systemd/system/alsa-state.service
/lib/systemd/system/alsa-utils.service
/lib/systemd/system/anacron.service
/lib/systemd/system/apparmor.service
/lib/systemd/system/apport-autoreport.service
/lib/systemd/system/apport-forward@.service
/lib/systemd/system/apt-daily.service
/lib/systemd/system/apt-daily-upgrade.service
/lib/systemd/system/autovt@.service
/lib/systemd/system/avahi-daemon.service
/lib/systemd/system/binfmt-support.service
```



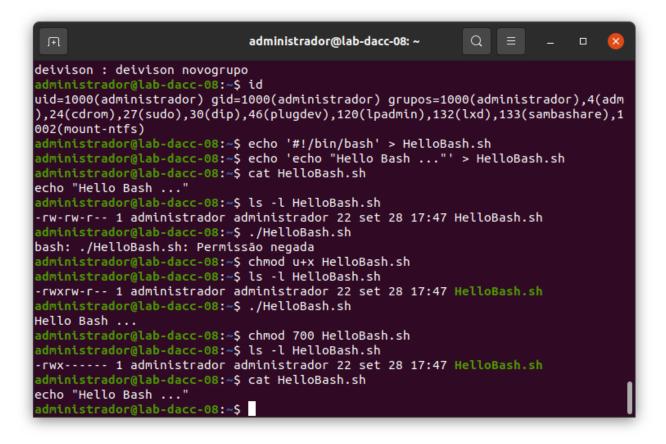
```
aluno@lab-dacc-08: ~
                                                               Q
                                                                               ×
WantedBy=multi-user.target
aluno@lab-dacc-08:~$ tail -5 /etc/passwd
systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin
aluno::1001:1001:Aluno,,,:/home/aluno:/bin/bash
lightdm:x:128:135:Light Display Manager:/var/lib/lightdm:/bin/false
nvidia-persistenced:x:127:134:NVIDIA Persistence Daemon,,,:/nonexistent:/usr/sbi
n/nologin
sshd:x:129:65534::/run/sshd:/usr/sbin/nologin
aluno@lab-dacc-08:~$ head -1 /etc/passwd
root:x:0:0:root:/root:/bin/bash
aluno@lab-dacc-08:~$ cat /etc/passwd | grep "mail\|www=data\|syslog\|sshd"
      ::8:8:mail:/var/mail:/usr/sbin/nologin
::x:104:110::/home/syslog:/usr/sbin/nol
::129:65534::/run/-shir/usr/shir/shir/
    :x:8:8:
                                :/usr/sbin/nologin
                             :/usr/sbin/nologin
    :x:129:65534::/run/
aluno@lab-dacc-08:~$ cat /etc/passwd | wc -l
51
aluno@lab-dacc-08:~$ cat /etc/passwd | cut -f1- -d: | sort | tr "\n" " "; echo
administrador:x:1000:1000:Administrador,,,:/home/administrador:/bin/bash aluno::
1001:1001:Aluno,,,:/home/aluno:/bin/bash _apt:x:105:65534::/nonexistent:/usr/sbi
n/nologin avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:
/usr/sbin/nologin avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/us
r/sbin/nologin backup:x:34:34:backup:/var/backups:/usr/sbin/nologin bin:x:2:2:bi
n:/bin:/usr/sbin/nologin colord:x:121:126:colord colour management daemon,,,:/va
r/lib/colord:/usr/sbin/nologin cups-pk-helper:x:113:120:user for cups-pk-helper
```



```
administrador@lab-dacc-08: ~
                                                                          administrador@lab-dacc-08:~$ sudo cat /etc/shadow | grep deivison
        :$6$4ZgNW97d0IRunkqL$7XxapVgkYaFT7yAwLpiYHUi7mpY3mv47sjhHCRwY1PnPUIP.i7E
SCxBiA/VouSYZ/Crxoe34x2nHfU9rIHEI51:19263:0:99999:7:::
administrador@lab-dacc-08:~$ echo -n "ncc1701" | mkpasswd --stdin --method=sha-5
12 --salt=".x7wn"
Comando 'mkpasswd' não encontrado, mas poder ser instalado com:
sudo apt install whois
administrador@lab-dacc-08:~$ echo -n "ncc1701" | mkpasswd --stdin --method=sha-5
12 --salt=".x7wnz7v713Atz"
Comando 'mkpasswd' não encontrado, mas poder ser instalado com:
sudo apt install whois
administrador@lab-dacc-08:~$ sudo apt install whois
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
O seguinte pacote foi instalado automaticamente e já não é necessário:
 libminizip1
Utilize 'sudo apt autoremove' para o remover.
```



```
administrador@lab-dacc-08: ~
                                                                           mount-ntfs:x:1002:aluno,administrador
vboxusers:x:137:
deivison:x:1003:
administrador@lab-dacc-08:~$ head -3 /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
administrador@lab-dacc-08:~$ head -3 /etc/group | grep 'deivison'
administrador@lab-dacc-08:~$ head -3 /etc/group | grep '^deivison'
administrador@lab-dacc-08:~$ cat /etc/group | grep '^adm:'
    x:4:syslog,administrador
administrador@lab-dacc-08:~$ sudo addgroup novogrupo
Adicionando grupo `novogrupo' (GID 1004) ...
Concluído.
administrador@lab-dacc-08:~$ cat /etc/group | grep '^novogrupo:'
          x:1004:
administrador@lab-dacc-08:~$ sudo usermode -a -G novogrupo deivison
sudo: usermode: comando não encontrado
administrador@lab-dacc-08:~$ sudo usermod -a -G novogrupo deivison
administrador@lab-dacc-08:~$ cat /etc/group | grep '^novogrupo:'
          x:1004:deivison
administrador@lab-dacc-08:~$ groups deivison
deivison : deivison novogrupo
administrador@lab-dacc-08:~$
```



```
administrador@lab-dacc-08: ~
                                                           Q
                                                                          administrador@lab-dacc-08:~$ chmod 755 HelloBash.sh
administrador@lab-dacc-08:~$ ls -l HelloBash.sh
-rwxr-xr-x 1 administrador administrador 22 set 28 17:47 HelloBash.sh
administrador@lab-dacc-08:~$ sudo chgrp novogrupo HelloBash.sh
administrador@lab-dacc-08:~$ ls -l HelloBash.sh
-rwxr-xr-x 1 administrador novogrupo 22 set 28 17:47 HelloBash.sh
administrador@lab-dacc-08:~$ sudo cat /etc/sudoers
# This file MUST be edited with the 'visudo' command as root.
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
# See the man page for details on how to write a sudoers file.
Defaults
                env reset
                mail badpass
Defaults
                secure path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/
Defaults
sbin:/bin:/snap/bin"
# Host alias specification
# User alias specification
```