

1. Torne-se root

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~  
kauan@debian:~$ su -  
Senha:  
root@debian:~#
```

2. Entre em cada um dos diretórios da estrutura de diretórios do Linux e:

2.1. Liste os arquivos.

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~  
root@debian:/# ls  
bin  etc      initrd.img.old  lib64      media  proc  sbin  tmp  vmlinuz  
boot home    lib             libx32     mnt    root  srv   usr  vmlinuz.old  
dev  initrd.img lib32           lost+found opt      run   sys  var  
root@debian:/#
```

2.2. Liste os arquivos recursivamente.

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~  
root@debian:~# cd /var  
root@debian:/var# ls -R  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-colord.service-Fv37zf:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-colord.service-Fv37zf/tmp:  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-fwupd.service-fQzMvg:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-fwupd.service-fQzMvg/tmp:  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-ModemManager.service-jwPcdj:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-ModemManager.service-jwPcdj/tmp:  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-switcheroo-control.service-FKK0Ji:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-switcheroo-control.service-FKK0Ji/tmp:  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-systemd-logind.service-1Kfcsg:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-systemd-logind.service-1Kfcsg/tmp:  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-systemd-timesyncd.service-IvZYUf:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-systemd-timesyncd.service-IvZYUf/tmp:  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-upower.service-Ah1vch:  
tmp  
  
./tmp/systemd-private-c7ec0f16337344b4afc6a51f091920e0-upower.service-Ah1vch/tmp:  
root@debian:/var#
```

2.3. Liste os arquivos com o máximo de informações possíveis, incluindo os arquivos ocultos.

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~
root@debian:/var# ls -lah
total 44K
drwxr-xr-x 11 root root 4,0K fev 19 14:27 .
drwxr-xr-x 19 root root 4,0K fev 19 14:42 ..
drwxr-xr-x  2 root root 4,0K fev 19 14:51 backups
drwxr-xr-x 15 root root 4,0K fev 19 14:46 cache
drwxr-xr-x 50 root root 4,0K fev 19 14:46 lib
drwxrwsr-x  2 root staff 4,0K dez 11 14:25 local
lrwxrwxrwx  1 root root    9 fev 19 14:27 lock -> /run/lock
drwxr-xr-x 10 root root 4,0K fev 19 14:46 log
drwxrwsr-x  2 root mail 4,0K fev 19 14:27 mail
drwxr-xr-x  2 root root 4,0K fev 19 14:27 opt
lrwxrwxrwx  1 root root    4 fev 19 14:27 run -> /run
drwxr-xr-x  6 root root 4,0K fev 19 14:40 spool
drwxrwxrwt  9 root root 4,0K fev 19 15:01 tmp
root@debian:/var#
```

2.4. Explique o que significa cada uma das opções.

- **-a**: Lista todos os arquivos do diretório, incluindo os ocultos.
- **-l**: Exibe detalhes sobre os arquivos listados.
- **-h**: Exibe o tamanho do arquivo em formato mais compreensível ao ser humano

3. Entre no diretório /etc/network. Agora use o seguinte comando:

\$ cd ../../

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~
root@debian:~# cd /etc/network/
root@debian:/etc/network# cd ../../
root@debian:/#
```

3.1 Use outro comando para descobrir em que diretório você acabou de entrar.

```
kauan@192.168.0.40:22 - Bitvise xterm - kauan@debian: ~
root@debian:/# cd /etc/network/
root@debian:/etc/network# cd ../../
root@debian:/# pwd
/
root@debian:/#
```

- 4. Liste todas as partições criadas no momento do particionamento do disco com todas as opções apresentadas.

```

root@debian:/# df
Sist. Arq.      Blocos de 1K   Usado Disponível  Uso% Montado em
udev           1990008        0    1990008    0% /dev
tmpfs          402596      1124    401472    1% /run
/dev/sda1      7173040 4607112    2180188   68% /
tmpfs          2012964        0    2012964    0% /dev/shm
tmpfs          5120         4      5116    1% /run/lock
tmpfs          402592      108    402484    1% /run/user/1000
root@debian:/# df -h
Sist. Arq.      Tam. Usado Disp.  Uso% Montado em
udev           1,9G    0  1,9G    0% /dev
tmpfs          394M  1,1M 393M    1% /run
/dev/sda1      6,9G  4,4G 2,1G   68% /
tmpfs          2,0G    0  2,0G    0% /dev/shm
tmpfs          5,0M  4,0K 5,0M    1% /run/lock
tmpfs          394M  108K 394M    1% /run/user/1000
root@debian:/# df -k
Sist. Arq.      Blocos de 1K   Usado Disponível  Uso% Montado em
udev           1990008        0    1990008    0% /dev
tmpfs          402596      1124    401472    1% /run
/dev/sda1      7173040 4607112    2180188   68% /
tmpfs          2012964        0    2012964    0% /dev/shm
tmpfs          5120         4      5116    1% /run/lock
tmpfs          402592      108    402484    1% /run/user/1000
root@debian:/# df -m
Sist. Arq.      Blocos de 1M Usado Disponível  Uso% Montado em
udev           1944         0      1944    0% /dev
tmpfs          394         2      393    1% /run
/dev/sda1      7005      4500      2130   68% /
tmpfs          1966         0      1966    0% /dev/shm
tmpfs          5           1         5    1% /run/lock
tmpfs          394         1      394    1% /run/user/1000
root@debian:/#

```

```

root@debian:/# df -ahklmT
Sist. Arq.      Tipo      Blocos de 1M Usado Disponível  Uso% Montado em
sysfs          sysfs           0         0         0    - /sys
proc           proc            0         0         0    - /proc
udev           devtmpfs       1944         0      1944    0% /dev
devpts         devpts          0         0         0    - /dev/pts
tmpfs          tmpfs           394         2      393    1% /run
/dev/sda1      ext4            7005      4500      2130   68% /
securityfs     securityfs      0         0         0    - /sys/kernel/security
tmpfs          tmpfs           1966         0      1966    0% /dev/shm
tmpfs          tmpfs           5           1         5    1% /run/lock
cgroup2        cgroup2         0         0         0    - /sys/fs/cgroup
pstore         pstore          0         0         0    - /sys/fs/pstore
none           bpf             0         0         0    - /sys/fs/bpf
systemd-1      -              -          -          -    - /proc/sys/fs/binfmt_misc
debugfs        debugfs         0         0         0    - /sys/kernel/debug
tracefs        tracefs         0         0         0    - /sys/kernel/tracing
hugetlbfs     hugetlbfs       0         0         0    - /dev/hugepages
mqueue         mqueue          0         0         0    - /dev/mqueue
configfs       configfs         0         0         0    - /sys/kernel/config
fusectl        fusectl         0         0         0    - /sys/fs/fuse/connections
tmpfs          tmpfs           394         1      394    1% /run/user/1000
gvfsd-fuse     fuse.gvfsd-fuse 0         0         0    - /run/user/1000/gvfs
binfmt_misc    binfmt_misc     0         0         0    - /proc/sys/fs/binfmt_misc
tracefs        tracefs         0         0         0    - /sys/kernel/debug/tracing
root@debian:/#

```