

Run the following commands on linux

1. List all files in the bin directory.

```
chris@DESKTOP-8LCLCKD /
$ ls
Cygwin-Terminal.ico  Cygwin.ico  cygdrive  etc  lib  prueba1  tmp  var
Cygwin.bat          bin         dev       home  proc  sbin     usr

chris@DESKTOP-8LCLCKD /
$ cd bin

chris@DESKTOP-8LCLCKD /bin
$ ls
['.exe'
addftinfo.exe      getconf.exe      realpath.exe
apropos            getent.exe       rebase-trigger
arch.exe           getfacl.exe      rebase.exe
ash.exe            getopt.exe       rebaseall
awk                gkill.exe        rebase1st
b2sum.exe          gmondump.exe     refer.exe
base32.exe         grap2graph       regtool.exe
base64.exe         grep.exe         rename.exe
basename.exe       grn.exe          renew-dummy-cert
bash.exe           grodvi.exe       renice.exe
bashbug            groff.exe        reset
bunzip2.exe        grolbp.exe       rev.exe
bzcat.exe          grolj4.exe       rm.exe
bzcmp              groups.exe       rmdir.exe
bzdiff             gunzip           run.exe
bzegrep            gzexe            runcon.exe
bzfgrep            gzip.exe         rvi
bzgrep             head.exe         rview
bzip2.exe          hexdump.exe     script.exe
bzip2recover.exe  hostid.exe      scriptreplay.exe
bzless             hostname.exe    sdiff.exe
bzmores            hpftodit.exe   sed.exe
ca-legacy          id.exe          seq.exe
cal.exe            indxbib.exe     setfacl.exe
captaininfo        info.exe        setmetamode.exe
cat.exe            infocmp.exe     setsid.exe
catman.exe         infotocap       sh.exe
chattr.exe         install-info.exe sha1sum.exe
chcon.exe          install.exe     sha224sum.exe
chgrp.exe          ipcmk.exe       sha256sum.exe
chmod.exe          ipcrm.exe       sha384sum.exe
chown.exe          ipcs.exe        sha512sum.exe
chroot.exe         isosize.exe     shred.exe
chrt.exe           join.exe        shuf.exe
cksum.exe          kill.exe        sleep.exe
clear.exe          lastlog.exe     soelim.exe
cmp.exe            ldd.exe         sort.exe
col.exe            ldh.exe         split.exe
colcrt.exe         less.exe        ssp.exe
colrm.exe          lessecho.exe    stat.exe
column.exe         lesskey.exe     stdbuf.exe
comm.exe           lexgrog.exe     strace.exe
cp.exe             link.exe        stty.exe
csplit.exe         lkbib.exe       sum.exe
cut.exe            ln.exe          sync.exe
cygargp-0.dll      locale.exe      tabs.exe
cygattr-1.dll      locate.exe      tac.exe
cygblkid-1.dll     logger.exe      tail.exe
cygbz2-1.dll       taskset.exe     tar.exe
```

2. List all files in the etc directory beginning with s in reverse order.

```
chris@DESKTOP-8LCLCKD /etc
$ find -iwholename "*/s*" | sort -r
./ssl/certs
./ssl
./skel/.profile
./skel/.inputrc
./skel/.bashrc
./skel/.bash_profile
./skel
./shells
./setup/zstd.lst.gz
./setup/zlib0.lst.gz
./setup/xz.lst.gz
./setup/which.lst.gz
./setup/vim-minimal.lst.gz
./setup/util-linux.lst.gz
./setup/tzdata.lst.gz
./setup/tzcode.lst.gz
./setup/timestamp
./setup/terminfo.lst.gz
./setup/terminfo-extra.lst.gz
./setup/tar.lst.gz
./setup/setup.rc
./setup/sed.lst.gz
./setup/run.lst.gz
./setup/rebase.lst.gz
./setup/p11-kit.lst.gz
./setup/p11-kit-trust.lst.gz
./setup/openssl.lst.gz
./setup/ncurses.lst.gz
./setup/mintty.lst.gz
./setup/man-db.lst.gz
./setup/login.lst.gz
./setup/libuuid1.lst.gz
./setup/libtasn1_6.lst.gz
./setup/libstdc++6.lst.gz
./setup/libssl1.1.lst.gz
./setup/libsmartcols1.lst.gz
./setup/libsigsegv2.lst.gz
./setup/libreadline7.lst.gz
./setup/libpopt0.lst.gz
./setup/libpopt-common.lst.gz
./setup/libpipeline1.lst.gz
./setup/libpcre2_8_0.lst.gz
./setup/libpcre1.lst.gz
./setup/libp11-kit0.lst.gz
./setup/libncursesw10.lst.gz
./setup/libmpfr6.lst.gz
./setup/liblzma5.lst.gz
./setup/liblz4_1.lst.gz
./setup/libintl8.lst.gz
./setup/libiconv2.lst.gz
./setup/libgmp10.lst.gz
./setup/libgdbm6.lst.gz
./setup/libgcc1.lst.gz
./setup/libffi6.lst.gz
./setup/libfdisk1.lst.gz
./setup/libbz2_1.lst.gz
./setup/libblkid1.lst.gz
./setup/libattr1.lst.gz
./setup/libargp.lst.gz
./setup/less.lst.gz
./setup/ipc-utils.lst.gz
```

3. List all files in the etc directory that do not start with s.

```

chris@DESKTOP-8LCLCKD /etc
$ find . -type f ! -path '*/s*'
./alternatives/README
./bash.bashrc
./bash.bash_logout
./crypto-policies/config
./defaults/cygwin.bat
./defaults/etc/bash.bashrc
./defaults/etc/bash.bash_logout
./defaults/etc/crypto-policies/config
./defaults/etc/cygserver.conf
./defaults/etc/DIR_COLORS
./defaults/etc/man_db.conf
./defaults/etc/pkcs11/pkcs11.conf
./defaults/etc/pki/ca-trust/ca-legacy.conf
./defaults/etc/pki/tls/ct_log_list.cnf
./defaults/etc/pki/tls/openssl.cnf
./defaults/etc/profile
./defaults/etc/profile.d/lang.csh
./defaults/etc/profile.d/lang.sh
./defaults/etc/profile.d/tzset.csh
./defaults/etc/profile.d/tzset.sh
./DIR_COLORS
./fstab
./man_db.conf
./nsswitch.conf
./pkcs11/pkcs11.conf
./pki/ca-trust/ca-legacy.conf
./pki/ca-trust/extracted/edk2/cacerts.bin
./pki/ca-trust/extracted/edk2/README
./pki/ca-trust/extracted/java/cacerts
./pki/ca-trust/extracted/java/README
./pki/ca-trust/extracted/openssl/ca-bundle.trust.crt
./pki/ca-trust/extracted/openssl/README
./pki/ca-trust/extracted/pem/email-ca-bundle.pem
./pki/ca-trust/extracted/pem/objsign-ca-bundle.pem
./pki/ca-trust/extracted/pem/README
./pki/ca-trust/extracted/pem/tls-ca-bundle.pem
./pki/ca-trust/extracted/README
./pki/tls/ct_log_list.cnf
./pki/tls/openssl.cnf
./postinstall/000-cygwin-post-install.sh.done
./postinstall/0p_000_autorebase.dash
./postinstall/0p_update-info-dir.dash
./postinstall/base-files-mketc.sh.done
./postinstall/base-files-profile.sh.done
./postinstall/bash.sh.done
./postinstall/ca-certificates.sh.done
./postinstall/coreutils.sh.done
./postinstall/crypto-policies.sh.done
./postinstall/man-db.sh.done
./postinstall/mintty.sh.done
./postinstall/openssl.sh.done
./postinstall/p11-kit.sh.done
./postinstall/zp_man-db-update-index.dash
./preremove/base-files-manifest.lst
./preremove/base-files.sh
./preremove/ca-certificates.sh
./preremove/coreutils.sh
./preremove/crypto-policies.sh
./preremove/man-db.sh

```

4. List all files in the usr directory and its subdirectories.

```

chris@DESKTOP-8LCLCKD /usr
$ ls -R
.:
bin include lib libexec local sbin share src tmp

./bin:
[.exe
addftinfo.exe
apropos
arch.exe
ash.exe
awk
b2sum.exe
base32.exe
base64.exe
basename.exe
bash.exe
bashbug
bunzip2.exe
bzipcat.exe
bzip2m
bzdiff
bzegrep
bzfgrep
bzgrep
bzzip2.exe
bzzip2recover.exe
bzless
bzmore
ca-legacy
cal.exe
captoinfo
cat.exe
catman.exe
chattr.exe
chcon.exe
chgrp.exe
chmod.exe
chown.exe
chroot.exe
chrt.exe
cksum.exe
clear.exe
cmp.exe
col.exe
colcrt.exe
colrm.exe

column.exe
comm.exe
cp.exe
csplit.exe
cut.exe
cygarp-0.dll
cygattr-1.dll
cygblkid-1.dll
cygbz2-1.dll
cygcheck.exe
cygcrypto-1.1.dll
cygfdisk-1.dll
cygffi-6.dll
cygform-10.dll
cyggcc_s-seh-1.dll
cygddb-6.dll
cygdp-10.dll
cygghistory7.dll
cygiconv-2.dll
cygintl-8.dll
cyglz4-1.dll
cyglzma-5.dll
cygmagic-1.dll
cygman-2-10-2.dll
cygmandb-2-10-2.dll
cygmenuw-10.dll
cygmpr-6.dll
cygncursesw-10.dll
cygp11-kit-0.dll
cygpane1w-10.dll
cygpath.exe
cygpcr-1.dll
cygpcr2-8-0.dll
cygpipeline-1.dll
cygpopt-0.dll
cygreadline7.dll
cygserver-config
cygsigsegv-2.dll
cygsmartcols-1.dll
cygssl-1.1.dll
cygstart.exe

cygstdc++-6.dll
cygtasn1-6.dll
cygtcl-10.dll
cyguid-1.dll
cygwin-console-helper.exe
cygwin1.dll
cygz.dll
dash.exe
date.exe
dd.exe
df.exe
diff.exe
diff3.exe
dir.exe
dircolors.exe
dirname.exe
dnsdomainname
domainname
du.exe
dumper.exe
echo.exe
editrights.exe
egrep
env.exe
eqn.exe
eqn2graph
ex
expand.exe
expr.exe
factor.exe
false.exe
fgrep
file.exe
find.exe
flock.exe
fmt.exe
fold.exe
gawk-5.1.1.exe
gawk.exe
gdiffmk
gencat.exe

getconf.exe
getent.exe
getfacl.exe
getopt.exe
gkill.exe
gmondump.exe
grap2graph
grep.exe
grn.exe
grodfv.exe
groff.exe
groffbp.exe
groffj4.exe
grops.exe
grotty.exe
groups.exe
gunzip
gzexe
gzip.exe
head.exe
hexdump.exe
hostid.exe
hostname.exe
hpfddotit.exe
id.exe
indxbib.exe
info.exe
infocmp.exe
infotocap
install-info.exe
install.exe
ipcmk.exe
ipcrm.exe
ipcs.exe
isosize.exe
join.exe
kill.exe
lastlog.exe
ldd.exe
ldh.exe
less.exe

lessecho.exe
leskey.exe
lexgrog.exe
link.exe
lkbib.exe
ln.exe
locale.exe
locate.exe
logger.exe
login.exe
logname.exe
look.exe
lookbib.exe
ls.exe
lsattr.exe
lzcat
lzcmp
lzdiff
lzgrep
lzless
lzma
lzmadec.exe
lzmainfo.exe
lzmore
make-dummy-cert
man-recode.exe
man.exe
mandb.exe
manpath.exe
mcookie.exe
md5sum.exe
minidumper.exe
minthema
mintty.exe
mkfifo.exe
mkgroup.exe
mknode.exe
mkpasswd.exe

mkshortcut.exe
mktemp.exe
more.exe
mount.exe
mv.exe
namei.exe
neqn
nice.exe
nl.exe
nohup.exe
nproc.exe
nroff
numfmt.exe
od.exe
openssl.exe
p11-kit.exe
passwd.exe
paste.exe
pathchk.exe
pdfroff
peflags.exe
sed.exe
seq.exe
pg.exe
pic.exe
pic2graph
pinky.exe
pldd.exe
post-grohtml.exe
pr.exe
pre-grohtml.exe
preconv.exe
printenv.exe
printf.exe
profiler.exe
ps.exe
ptx.exe
pwd.exe
pzdtd.exe
readlink.exe
readshortcut.exe

realpath.exe
rebase-trigger
rebase.exe
rebaseall
rebaselst
refer.exe
regtool.exe
rename.exe
renew-dummy-cert
renice.exe
rncrc.exe
rev.exe
rm.exe
rmdir.exe
run.exe
runcon.exe
rvi
rview
script.exe
scriptreplay.exe
sdiff.exe
sed.exe
seq.exe
setfacl.exe
setmetamode.exe
setsid.exe
sh.exe
shalsum.exe
sha224sum.exe
sha256sum.exe
sha384sum.exe
sha512sum.exe
shred.exe
shuf.exe
sleep.exe
soelim.exe
sort.exe
ssp.exe
stat.exe
stdbuf.exe

strace.exe
stty.exe
sum.exe
sync.exe
tabs.exe
tac.exe
tail.exe
tar.exe
taskset.exe
tbl.exe
tee.exe
reset
rev.exe
rm.exe
rmdir.exe
run.exe
runcon.exe
rvi
rview
script.exe
scriptreplay.exe
sdiff.exe
sed.exe
seq.exe
setfacl.exe
setmetamode.exe
setsid.exe
sh.exe
shalsum.exe
sha224sum.exe
sha256sum.exe
sha384sum.exe
sha512sum.exe
shred.exe
shuf.exe
sleep.exe
soelim.exe
sort.exe
ssp.exe
stat.exe
stdbuf.exe

uuidgen.exe
uuidparse.exe
vdir.exe
vi.exe
view
wc.exe
whatls.exe
whereis.exe
which.exe
who.exe
whoami.exe
tee.exe
test.exe
tftmodit.exe
tjc.exe
timeout.exe
toe.exe
touch.exe
tput.exe
tr.exe
troff.exe
true.exe
truncate.exe
trust.exe
tset.exe
tsort.exe
tty.exe
tzselect
tzset.exe
ul.exe
umount.exe
uname.exe
unexpand.exe
uniq.exe
unlink.exe
unlnma
unxz
unzstd
update-ca-trust
update-crypto-policies
updatedb
users.exe

./include:
bash gawkapi.h

./include/bash:
alias.h
ansi_stdlib.h
array.h
arrayfunc.h
assoc.h
bashansi.h
bashhist.h
bashintl.h
bashjmp.h
bashline.h
bashtypes.h
builtins.h
charypes.h
collsyms.h
command.h
common.h
config-bot.h
config-top.h
config.h
configtypes.h
dispose_cmd.h
error.h
execute_cmd.h
externs.h
fcntl.h
filecmd.h
flags.h
general.h
getopt.h
gettext.h
glob.h
glob.h
hashcmd.h
hashlib.h
input.h
jobs.h
lsignames.h
mailcheck.h
parser.h
patchlevel.h
pathexp.h
pathnames.h
pcomplete.h
ocache.h
posixdir.h
posixjmp.h
posixselect.h
posixstat.h
posixtime.h
posixwait.h
quit.h
redir.h
shell.h
shmbchar.h
shmbutil.h
strmatch.h
sig.h
siglist.h
signames.h
stat-time.h
stdc.h
tildc.h
trap.h
subst.h
syntax.h
system.h
test.h
tildc.h
trap.h
typemax.h
unionwait.h
unwind_prot.h
variables.h
version.h
xmalloc.h

./lib:
charset.alias engines-1.1 gawk groff libbash.dll.a p11-kit-proxy.so pkcs11 security terminfo

```

5. Change to the tmp directory, create the TEST directory.

```

chris@DESKTOP-8LCLCKD /tmp
$ mkdir TEST

chris@DESKTOP-8LCLCKD /tmp
$ ls
TEST

chris@DESKTOP-8LCLCKD /tmp
$

```

6. Show the current day and time.

```

chris@DESKTOP-8LCLCKD /tmp
$ date
Fri May 27 07:31:02 MST 2022

```

7. Create the dir1, dir2 and dir3 directories in the TEST directory. Inside dir1 create the directory dir11. Inside the directory dir3 create the directory dir31. Inside the dir31 directory, create the dir311 and dir312 directories.

```
chris@DESKTOP-8LCLCKD /tmp/TEST
$ mkdir dir1

chris@DESKTOP-8LCLCKD /tmp/TEST
$ mkdir dir2

chris@DESKTOP-8LCLCKD /tmp/TEST
$ mkdir dir3

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cd dir1

chris@DESKTOP-8LCLCKD /tmp/TEST/dir1
$ mkdir dir11

chris@DESKTOP-8LCLCKD /tmp/TEST/dir1
$ cd ..

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cd dir3

chris@DESKTOP-8LCLCKD /tmp/TEST/dir3
$ mkdir dir31

chris@DESKTOP-8LCLCKD /tmp/TEST/dir3
$ cd dir31

chris@DESKTOP-8LCLCKD /tmp/TEST/dir3/dir31
$ mkdir dir311

chris@DESKTOP-8LCLCKD /tmp/TEST/dir3/dir31
$ mkdir dir312
```

8. Copy a file called message in the directory TEST in dir1, dir2 and dir3.

```
chris@DESKTOP-8LCLCKD /tmp/TEST
$ touch message

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cp message dir1

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cp message dir2

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cp message dir3
```

9. Move directory dir31 and its subdirectories under dir2.

```
chris@DESKTOP-8LCLCKD /tmp/TEST
$ ls -R
.:
dir1 dir2 dir3 message

./dir1:
dir11 message

./dir1/dir11:

./dir2:
message

./dir3:
dir31 message

./dir3/dir31:
dir311 dir312

./dir3/dir31/dir311:

./dir3/dir31/dir312:

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cp -r dir3/dir31 dir2
```

```
chris@DESKTOP-8LCLCKD /tmp/TEST
$ ls -R
.:
dir1 dir2 dir3 message

./dir1:
dir11 message

./dir1/dir11:

./dir2:
dir31 message

./dir2/dir31:
dir311 dir312

./dir2/dir31/dir311:

./dir2/dir31/dir312:

./dir3:
dir31 message

./dir3/dir31:
dir311 dir312

./dir3/dir31/dir311:

./dir3/dir31/dir312:
```

10. Display ordinary files in the HOME directory and its subdirectories on the screen.

```

chris@DESKTOP-8LCLCKD /home
$ ls -R
.:
Student  ho1a.txt  ho1a3.txt  test1.txt  test2.txt

./Student:
Proyecto  Report.txt  Tareas

./Student/Proyecto:
Hardware  Lab3.txt  Lab4.txt

./Student/Proyecto/Hardware:
Lab3.txt

./Student/Tareas:
Software

./Student/Tareas/Software:
Lab1.txt  Lab2.txt

```

11. Delete files and directories from dir1, including the directory itself.

```

chris@DESKTOP-8LCLCKD /tmp/TEST
$ rm -r dir1

chris@DESKTOP-8LCLCKD /tmp/TEST
$ ls
dir2  dir3  message

```

12. Using symbolic notation, remove all write permissions (owner, group, others) from the dir2 directory.

```

chris@DESKTOP-8LCLCKD /tmp/TEST
$ chmod -r dir2

chris@DESKTOP-8LCLCKD /tmp/TEST
$ ls -l
total 0
d-wx--x--x  1 chris chris 0 May 27 07:39 dir2
drwxr-xr-x+ 1 chris chris 0 May 27 07:37 dir3
-rw-r--r--  1 chris chris 0 May 27 07:36 message

```

13. Using octal notation, remove the dir2 directory read permission from the rest of the users.

```

chris@DESKTOP-8LCLCKD /tmp/TEST
$ chmod 333 dir2

chris@DESKTOP-8LCLCKD /tmp/TEST
$ ls -l
total 0
d-wx-wx-wx  1 chris chris 0 May 27 07:39 dir2
drwxr-xr-x+ 1 chris chris 0 May 27 07:37 dir3
-rw-r--r--  1 chris chris 0 May 27 07:36 message

```

15. Create under dir2, a directory called dir21.

```

chris@DESKTOP-8LCLCKD /tmp/TEST
$ cd dir2

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ mkdir dir21

```

16. What are the default values assigned to the files?

```
chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ ls -l
total 0
drwxr-xr-x+ 1 chris chris 0 May 27 07:48 dir21
drwxr-xr-x+ 1 chris chris 0 May 27 07:39 dir31
-rw-r--r-- 1 chris chris 0 May 27 07:37 message
```

17. Create four new directories called dira, dirb, dirc, and dird under the current directory.

```
chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ mkdir dira

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ mkdir dirb

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ mkdir dirc

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ mkdir dird
```

18. Check the access permissions of the newly created directories to verify the operation of the umask command.

```
chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ ls -l
total 0
drwxr-xr-x+ 1 chris chris 0 May 27 07:48 dir21
drwxr-xr-x+ 1 chris chris 0 May 27 07:39 dir31
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dira
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dirb
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dirc
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dird
-rw-r--r-- 1 chris chris 0 May 27 07:37 message
```

19. Create file one. Remove all read permissions. Check it out. Try to delete it.

```
chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ touch remove.txt

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ chmod 333 remove.txt

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ ls -l
total 0
drwxr-xr-x+ 1 chris chris 0 May 27 07:48 dir21
drwxr-xr-x+ 1 chris chris 0 May 27 07:39 dir31
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dira
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dirb
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dirc
drwxr-xr-x+ 1 chris chris 0 May 27 07:50 dird
-rw-r--r-- 1 chris chris 0 May 27 07:37 message
--wx-wx-wx 1 chris chris 0 May 27 07:52 remove.txt

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ rm remove.txt

chris@DESKTOP-8LCLCKD /tmp/TEST/dir2
$ ls
dir21 dir31 dira dirb dirc dird message
```

20. Create in your own directory, the directory folder1 with the three permissions for the owner, within it, file1 with reading and writing for all and file2 with reading and writing for the owner and only read for the rest.


```

chris@DESKTOP-8LCLCKD /cygdrive/c/chris
$ mkdir folder1

chris@DESKTOP-8LCLCKD /cygdrive/c/chris
$ chmod 777 folder1

chris@DESKTOP-8LCLCKD /cygdrive/c/chris
$ cd folder1

chris@DESKTOP-8LCLCKD /cygdrive/c/chris/folder1
$ touch file1

chris@DESKTOP-8LCLCKD /cygdrive/c/chris/folder1
$ touch file2

chris@DESKTOP-8LCLCKD /cygdrive/c/chris/folder1
$ chmod 666 file1

chris@DESKTOP-8LCLCKD /cygdrive/c/chris/folder1
$ chmod 644 file2

chris@DESKTOP-8LCLCKD /cygdrive/c/chris/folder1
$ ls -l
total 0
-rw-rw-rw- 1 chris chris 0 May 27 07:59 file1
-rw-r--r-- 1 chris chris 0 May 27 07:59 file2

```

21. View the complete path of the current directory, create the directories *menus* and *mail* without moving from the current directory.

```

chris@DESKTOP-8LCLCKD /cygdrive/c/chris
$ ls -R
.:
folder1 hola.txt mail menus prueba1

./folder1:
file1 file2 mail menus

./folder1/mail:

./folder1/menus:

```

22. See if the *tty* file exists in the *dev* directory. If it exists, see its creation or update date.

```

chris@DESKTOP-8LCLCKD /dev
$ ls -l tty
crw-rw-rw- 1 chris chris 5, 0 May 27 08:10 tty

```

23. View the list of all the directories that hang from the root.

```

chris@DESKTOP-8LCLCKD /
$ ls -d */
bin/  cygdrive/  dev/  etc/  home/  lib/  proc/  sbin/  tmp/  usr/  var/

```