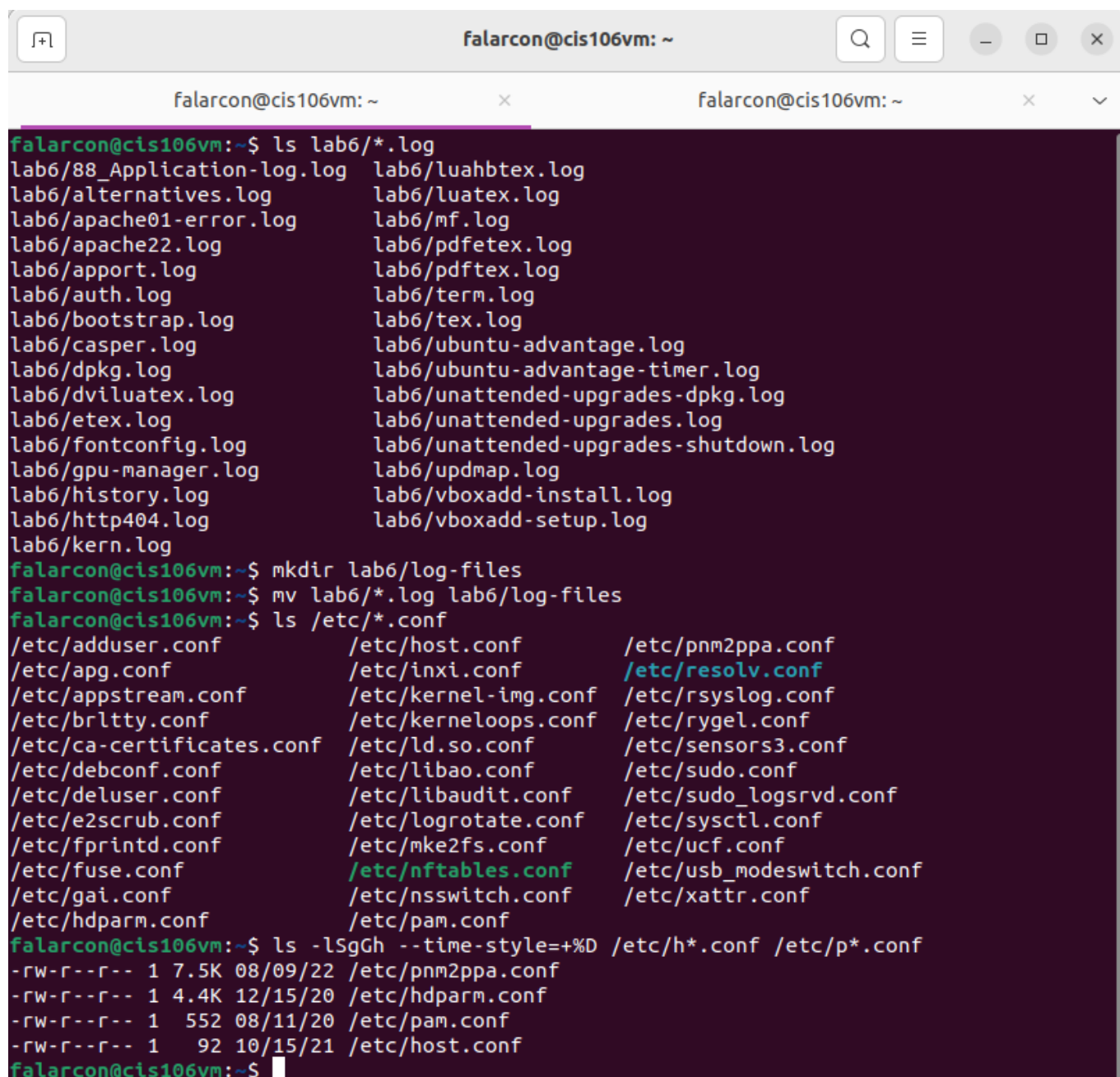


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Semester: Fall 22
Course: cis106

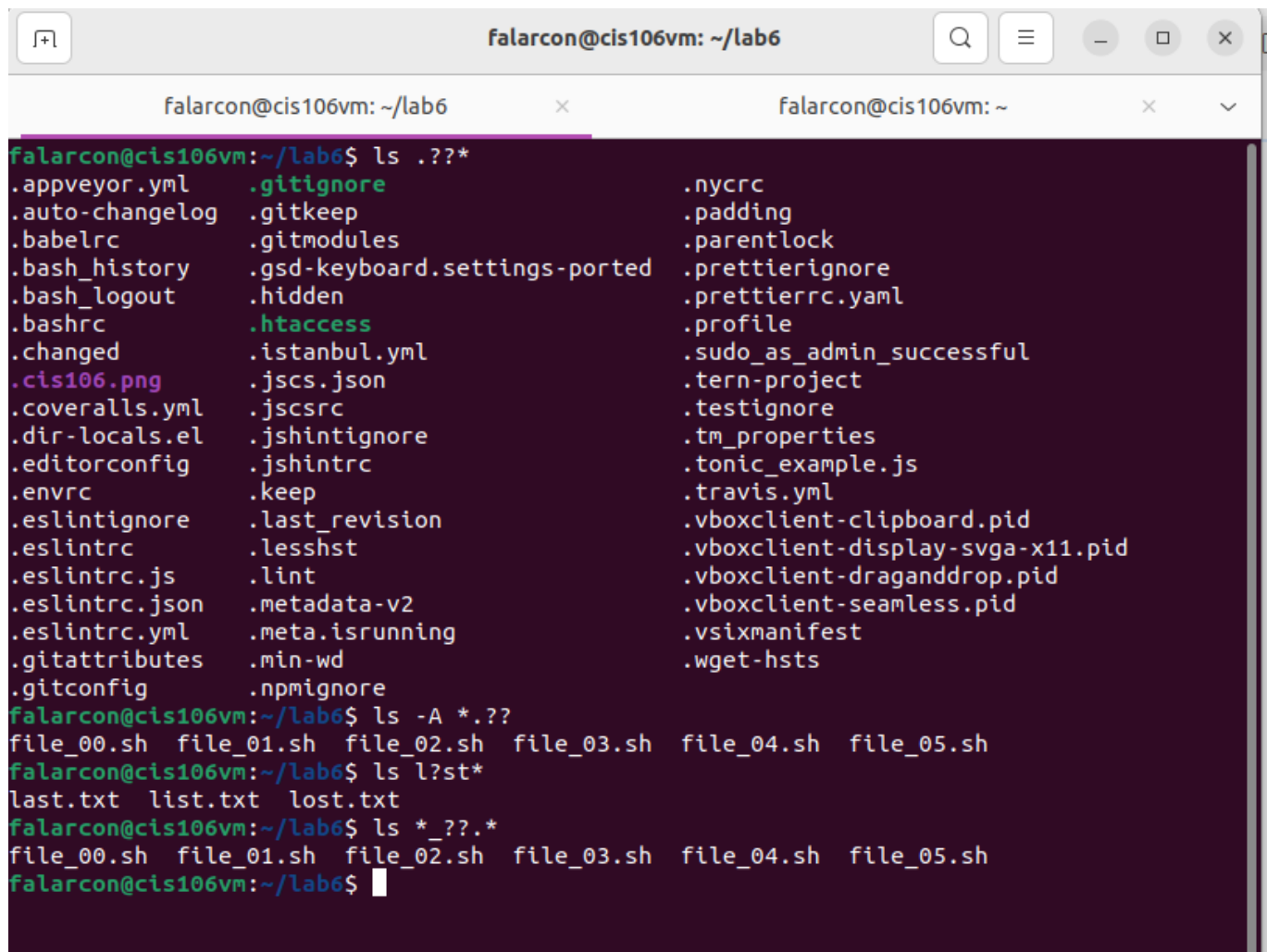
Lab 6 Submission

Question 1



```
falarcon@cis106vm: ~  
falarcon@cis106vm: ~  
falarcon@cis106vm:~$ ls lab6/*.log  
lab6/88_Application-log.log  lab6/luahbtex.log  
lab6/alternatives.log       lab6/luatex.log  
lab6/apache01-error.log     lab6/mf.log  
lab6/apache22.log           lab6/pdfetex.log  
lab6/apport.log             lab6/pdftex.log  
lab6/auth.log               lab6/term.log  
lab6/bootstrap.log          lab6/tex.log  
lab6/casper.log             lab6/ubuntu-advantage.log  
lab6/dpkg.log               lab6/ubuntu-advantage-timer.log  
lab6/dvluatex.log           lab6/unattended-upgrades-dpkg.log  
lab6/etex.log               lab6/unattended-upgrades.log  
lab6/fontconfig.log         lab6/unattended-upgrades-shutdown.log  
lab6/gpu-manager.log        lab6/updmap.log  
lab6/history.log            lab6/vboxadd-install.log  
lab6/http404.log            lab6/vboxadd-setup.log  
lab6/kern.log  
falarcon@cis106vm:~$ mkdir lab6/log-files  
falarcon@cis106vm:~$ mv lab6/*.log lab6/log-files  
falarcon@cis106vm:~$ ls /etc/*.conf  
/etc/adduser.conf           /etc/host.conf             /etc/pnm2ppa.conf  
/etc/apg.conf               /etc/inxi.conf             /etc/resolv.conf  
/etc/appstream.conf         /etc/kernel-img.conf       /etc/rsyslog.conf  
/etc/brltty.conf            /etc/kernelloops.conf      /etc/rygel.conf  
/etc/ca-certificates.conf   /etc/ld.so.conf             /etc/sensors3.conf  
/etc/debconf.conf           /etc/libao.conf             /etc/sudo.conf  
/etc/deluser.conf           /etc/libaudit.conf          /etc/sudo_logsrvd.conf  
/etc/e2scrub.conf           /etc/logrotate.conf         /etc/sysctl.conf  
/etc/fprintd.conf           /etc/mke2fs.conf            /etc/ucf.conf  
/etc/fuse.conf               /etc/nftables.conf          /etc/usb_modeswitch.conf  
/etc/gai.conf                /etc/nsswitch.conf          /etc/xattr.conf  
/etc/hdparm.conf            /etc/pam.conf  
falarcon@cis106vm:~$ ls -lSgGh --time-style=+%D /etc/h*.conf /etc/p*.conf  
-rw-r--r-- 1 7.5K 08/09/22 /etc/pnm2ppa.conf  
-rw-r--r-- 1 4.4K 12/15/20 /etc/hdparm.conf  
-rw-r--r-- 1 552 08/11/20 /etc/pam.conf  
-rw-r--r-- 1 92 10/15/21 /etc/host.conf  
falarcon@cis106vm:~$
```

Question 2



```
falarcon@cis106vm: ~/lab6
falarcon@cis106vm: ~/lab6
falarcon@cis106vm:~/lab6$ ls .??*
.appveyor.yml      .gitignore          .nycrc
.auto-changelog     .gitkeep            .padding
.babelrc            .gitmodules         .parentlock
.bash_history       .gsd-keyboard.settings-ported .prettierignore
.bash_logout        .hidden             .prettierrc.yaml
.bashrc             .htaccess           .profile
.changed            .istanbul.yml       .sudo_as_admin_successful
.cis106.png         .jscs.json          .tern-project
.coveralls.yml      .jscsrc             .testignore
.dir-locals.el      .jshintignore        .tm_properties
.editorconfig       .jshintrc           .tonic_example.js
.envrc              .keep               .travis.yml
.eslintignore       .last_revision      .vboxclient-clipboard.pid
.eslintrc           .lessht             .vboxclient-display-svga-x11.pid
.eslintrc.js        .lint               .vboxclient-draganddrop.pid
.eslintrc.json      .metadata-v2        .vboxclient-seamless.pid
.eslintrc.yml       .meta.isrunning    .vsixmanifest
.gitattributes      .min-wd             .wget-hsts
.gitconfig          .npmignore

falarcon@cis106vm:~/lab6$ ls -A *.*?
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
falarcon@cis106vm:~/lab6$ ls l?st*
last.txt list.txt lost.txt
falarcon@cis106vm:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
falarcon@cis106vm:~/lab6$
```

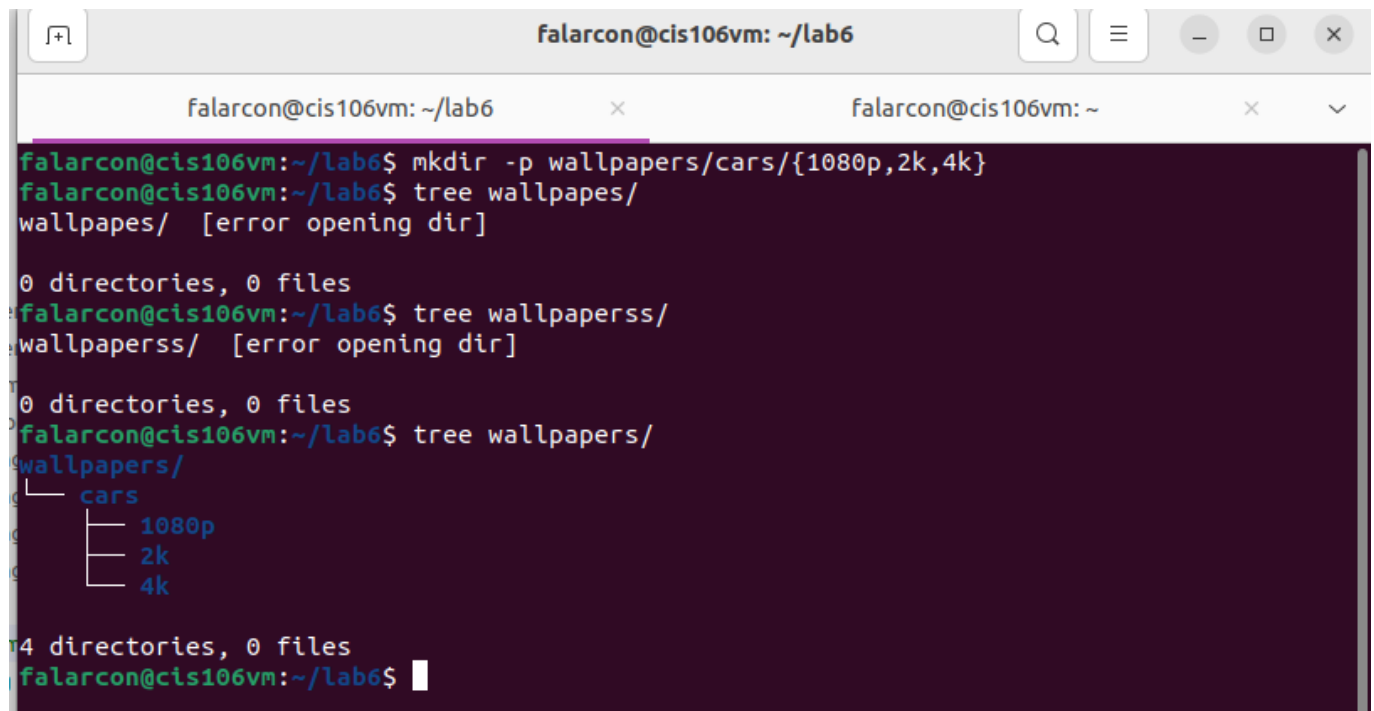
Question 3



```
falarcon@cis106vm: ~/lab6
falarcon@cis106vm: ~/lab6
falarcon@cis106vm:~/lab6$ ls [A-Z]*
Document.doc Expenses.xls
falarcon@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst Document.doc Expenses.xls
falarcon@cis106vm:~/lab6$ ls *[0-9]*
25Games.lst file_00.sh file_02.sh file_04.sh trip22-info.doc
apache03.err file_01.sh file_03.sh file_05.sh
falarcon@cis106vm:~/lab6$ ls [a-z]*[0-9]*
apache03.err file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
falarcon@cis106vm:~/lab6$
```

Question 4

Problem 1:



```
falarcon@cis106vm: ~/lab6
falarcon@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
falarcon@cis106vm:~/lab6$ tree wallpapes/
wallpapes/ [error opening dir]

0 directories, 0 files
falarcon@cis106vm:~/lab6$ tree wallpaperss/
wallpaperss/ [error opening dir]

0 directories, 0 files
falarcon@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└──

4 directories, 0 files
falarcon@cis106vm:~/lab6$
```

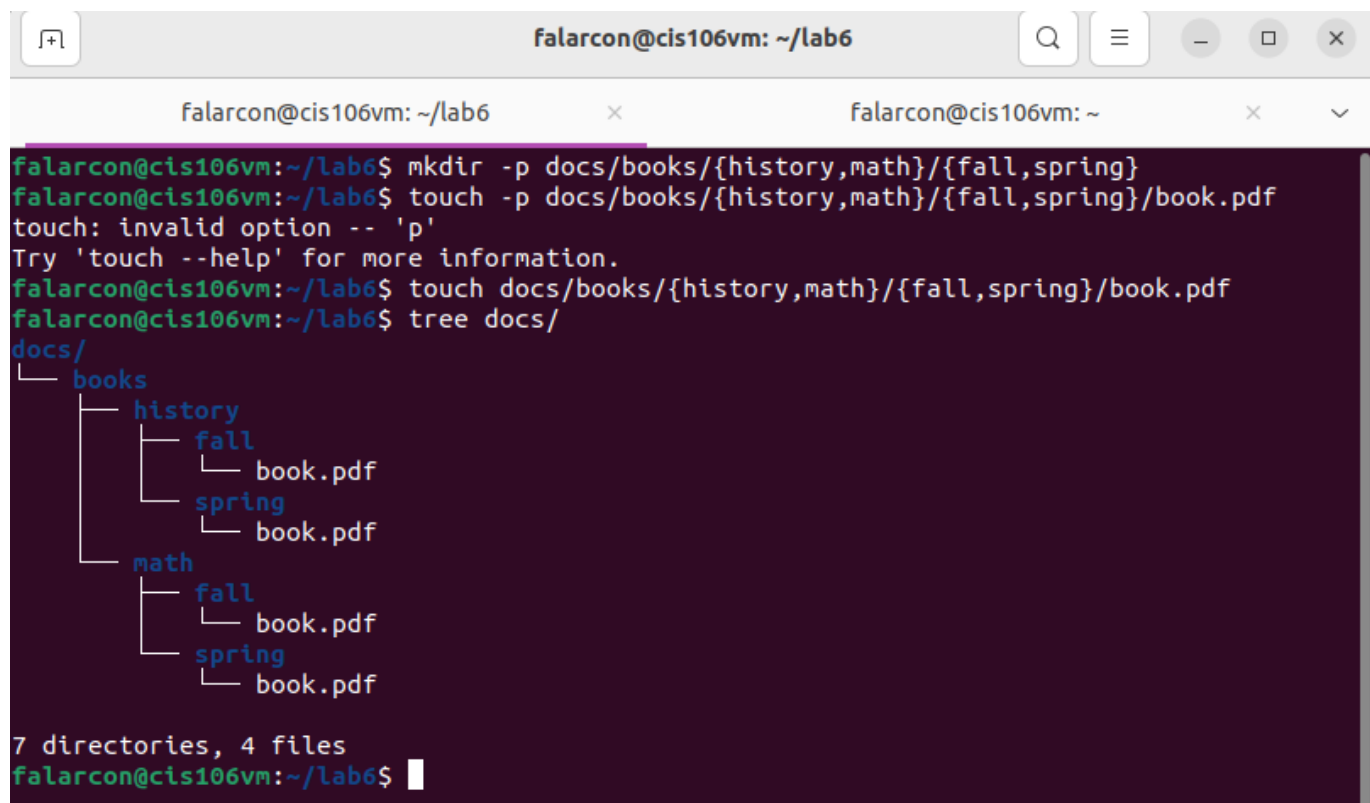
Problem 2:



```
falarcon@cis106vm: ~/lab6
falarcon@cis106vm:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
falarcon@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
falarcon@cis106vm:~/lab6$
```

Problem 3:



A terminal window titled 'falarcon@cis106vm: ~/lab6' with standard window controls. The terminal shows the following commands and output:

```
falarcon@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
falarcon@cis106vm:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
falarcon@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
falarcon@cis106vm:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
falarcon@cis106vm:~/lab6$
```

Problem 4:

```
falarcon@cis106vm: /usr/share
falarcon@cis106vm: /usr/share
falarcon@cis106vm: ~/lab6$ mkdir ~/lab6-q5
falarcon@cis106vm: ~/lab6$ cd /
falarcon@cis106vm: /$ touch ~/lab6-q5/{program.py,people.csv,dataxls}
falarcon@cis106vm: /$ cd /usr/share
falarcon@cis106vm: /usr/share$ mkdir ~/lab6-q5/movies
falarcon@cis106vm: /usr/share$ touch ~/lab4-q5/movies{movies.lst,movie.marvel.txt,movie.disney.doc}
touch: cannot touch '/home/falarcon/lab4-q5/moviesmovies.lst': No such file or directory
touch: cannot touch '/home/falarcon/lab4-q5/moviesmovie.marvel.txt': No such file or directory
touch: cannot touch '/home/falarcon/lab4-q5/moviesmovie.disney.doc': No such file or directory
falarcon@cis106vm: /usr/share$ touch ~/lab6-q5/movies{movies.lst,movie.marvel.txt,movie.disney.doc}
falarcon@cis106vm: /usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.marvel.txt}}
rm: cannot remove '/home/falarcon/lab6-q5//movies/disney.doc': No such file or directory
rm: cannot remove '/home/falarcon/lab6-q5//movies/movie.marvel.txt': No such file or directory
falarcon@cis106vm: /usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movie/{disney.doc,movie.marvel.txt}}
rm: cannot remove '/home/falarcon/lab6-q5/program.py': No such file or directory
rm: cannot remove '/home/falarcon/lab6-q5/people.csv': No such file or directory
rm: cannot remove '/home/falarcon/lab6-q5//movie/disney.doc': No such file or directory
rm: cannot remove '/home/falarcon/lab6-q5//movie/movie.marvel.txt': No such file or directory
falarcon@cis106vm: /usr/share$ tree /lab6-q5/
/lab6-q5/ [error opening dir]

0 directories, 0 files
falarcon@cis106vm: /usr/share$ tree ~/lab6-q5/
/home/falarcon/lab6-q5/
├── dataxls
├── movies
├── moviesdisney.doc
├── moviesmovie.marvel.txt
├── moviesmovies.lst

1 directory, 4 files
falarcon@cis106vm: /usr/share$ rm ~/lab6-q5/{/movies/{disney.doc,movie.marvel.txt}}
rm: cannot remove '/home/falarcon/lab6-q5/{/movies/disney.doc}': No such file or directory
rm: cannot remove '/home/falarcon/lab6-q5/{/movies/movie.marvel.txt}': No such file or directory
falarcon@cis106vm: /usr/share$
```