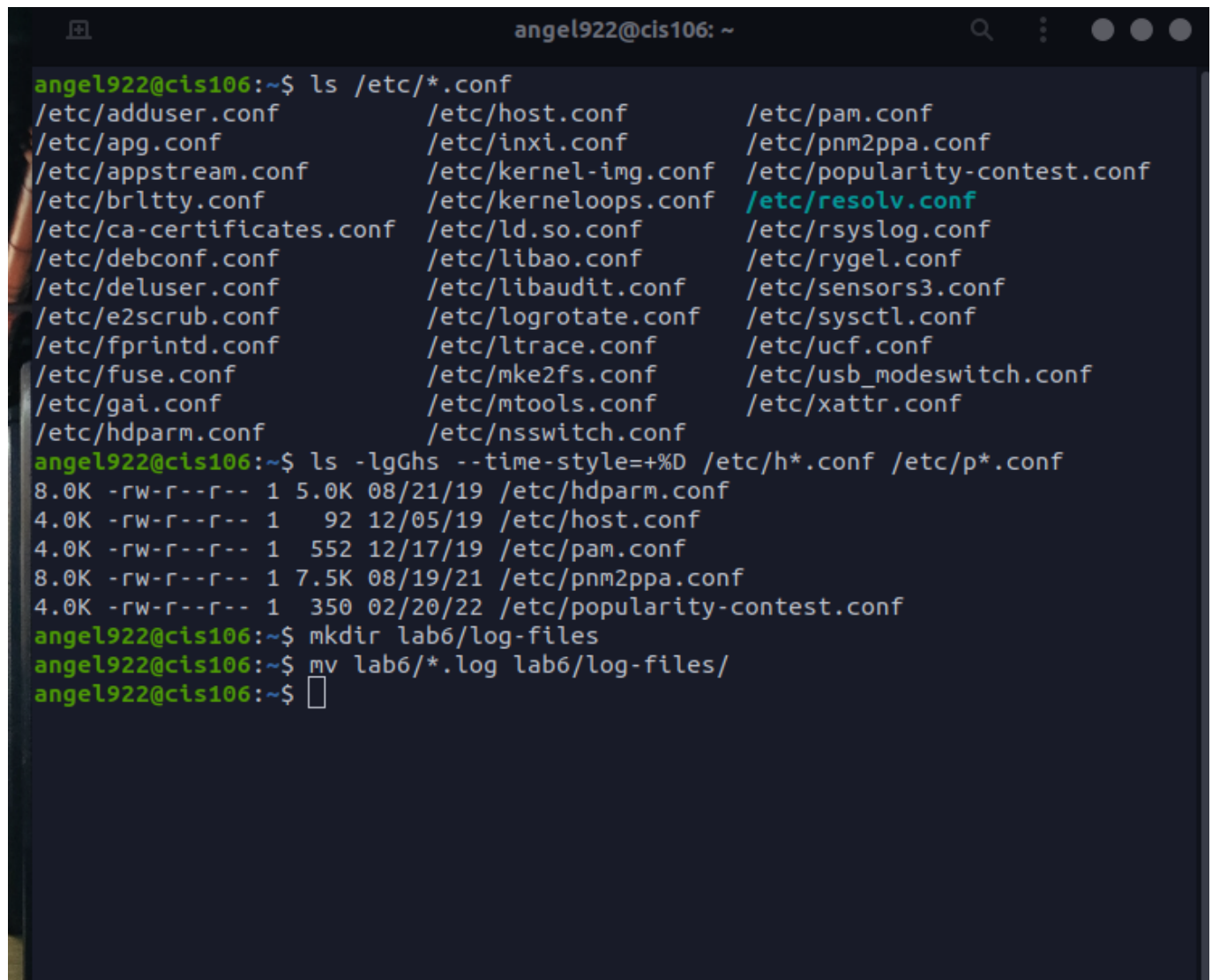


# Lab 6 wildcards

## Question 1

A terminal window titled 'angel922@cis106: ~' with standard window controls. The user runs 'ls /etc/\*.conf' to list configuration files in /etc. The output shows a grid of files including adduser.conf, apg.conf, appstream.conf, brltty.conf, ca-certificates.conf, debconf.conf, deluser.conf, e2scrub.conf, fprintd.conf, fuse.conf, gai.conf, hdparm.conf, host.conf, inxi.conf, kernel-img.conf, kerneloops.conf, ld.so.conf, libao.conf, libaudit.conf, logrotate.conf, ltrace.conf, mke2fs.conf, mtools.conf, nsswitch.conf, pam.conf, pnm2ppa.conf, popularity-contest.conf, resolv.conf, rsyslog.conf, rygel.conf, sensors3.conf, sysctl.conf, ucf.conf, usb\_modeswitch.conf, and xattr.conf. Next, the user runs 'ls -lgHs --time-style=+%D /etc/h\*.conf /etc/p\*.conf', showing details for hdparm.conf, host.conf, pam.conf, pnm2ppa.conf, and popularity-contest.conf. Finally, the user runs 'mkdir lab6/log-files' and 'mv lab6/\*.log lab6/log-files/' to move log files into a new directory. The prompt returns after the last command.

```
angel922@cis106:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/host.conf        /etc/pam.conf
/etc/apg.conf          /etc/inxi.conf        /etc/pnm2ppa.conf
/etc/appstream.conf    /etc/kernel-img.conf  /etc/popularity-contest.conf
/etc/brltty.conf       /etc/kerneloops.conf  /etc/resolv.conf
/etc/ca-certificates.conf /etc/ld.so.conf       /etc/rsyslog.conf
/etc/debconf.conf      /etc/libao.conf       /etc/rygel.conf
/etc/deluser.conf      /etc/libaudit.conf    /etc/sensors3.conf
/etc/e2scrub.conf      /etc/logrotate.conf   /etc/sysctl.conf
/etc/fprintd.conf      /etc/ltrace.conf      /etc/ucf.conf
/etc/fuse.conf         /etc/mke2fs.conf      /etc/usb_modeswitch.conf
/etc/gai.conf          /etc/mtools.conf      /etc/xattr.conf
/etc/hdparm.conf       /etc/nsswitch.conf

angel922@cis106:~$ ls -lgHs --time-style=+%D /etc/h*.conf /etc/p*.conf
8.0K -rw-r--r-- 1 5.0K 08/21/19 /etc/hdparm.conf
4.0K -rw-r--r-- 1 92 12/05/19 /etc/host.conf
4.0K -rw-r--r-- 1 552 12/17/19 /etc/pam.conf
8.0K -rw-r--r-- 1 7.5K 08/19/21 /etc/pnm2ppa.conf
4.0K -rw-r--r-- 1 350 02/20/22 /etc/popularity-contest.conf

angel922@cis106:~$ mkdir lab6/log-files
angel922@cis106:~$ mv lab6/*.log lab6/log-files/
angel922@cis106:~$
```

## Question 2

```
angel922@cis106:~$ ls -A lab6/.??*
lab6/.appveyor.yml      lab6/.jscs.json
lab6/.auto-changelog    lab6/.jscsrc
lab6/.bash_history      lab6/.jshintignore
lab6/.bash_logout       lab6/.jshintrc
lab6/.bashrc            lab6/.keep
lab6/.blocks-log        lab6/.last_revision
lab6/.blocks-progress   lab6/.metadata-v2
lab6/.changed           lab6/.meta.isrunning
lab6/.cis106.png        lab6/.min-wd
lab6/.coveralls.yml     lab6/.npmignore
lab6/.dir-locals.el     lab6/.nycrc
lab6/.editorconfig      lab6/.padding
lab6/.envrc             lab6/.parentlock
lab6/.eslintignore      lab6/.prettierignore
lab6/.eslintrc          lab6/.prettierrc.yaml
lab6/.eslintrc.js       lab6/.profile
lab6/.eslintrc.json     lab6/.sudo_as_admin_successful
lab6/.eslintrc.yml      lab6/.tern-project
lab6/.gitattributes     lab6/.tm_properties
lab6/.gitconfig         lab6/.tonic_example.js
lab6/.gitignore         lab6/.travis.yml
lab6/.gitkeep           lab6/.vboxclient-clipboard.pid
lab6/.gitmodules        lab6/.vboxclient-display-svgx-x11.pid
lab6/.hidden            lab6/.vboxclient-draganddrop.pid
lab6/.htaccess          lab6/.vboxclient-seamless.pid
lab6/.istanbul.yml      lab6/.vsixmanifest
angel922@cis106:~$
```

### Question 3

```
angel922@cis106:~$ ls lab6/[A-Z]*
lab6/Document.doc  lab6/Expenses.xls
angel922@cis106:~$ ls lab6/[A-Z0-9]*
lab6/25Games.lst  lab6/Document.doc  lab6/Expenses.xls
angel922@cis106:~$ ls lab6/*[0-9]*
lab6/25Games.lst  lab6/file_01.sh  lab6/file_04.sh
lab6/apache03.err lab6/file_02.sh  lab6/file_05.sh
lab6/file_00.sh   lab6/file_03.sh  lab6/trip22-info.doc
angel922@cis106:~$ ls lab6/*[_]*
lab6/file_00.sh  lab6/file_02.sh  lab6/file_04.sh
lab6/file_01.sh  lab6/file_03.sh  lab6/file_05.sh
angel922@cis106:~$
```

### Question 4

```
angel922@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
angel922@cis106:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k

```

4 directories, 0 files  
angel922@cis106:~/lab6\$

```
angel922@cis106:~/lab6$ mkdir -p assets/{images,video}/{large,small}
angel922@cis106:~/lab6$ tree assets
assets
├── images
│   ├── large
│   └── small
└── video
    ├── large
    └── small

```

6 directories, 0 files  
angel922@cis106:~/lab6\$

```
angel922@cis106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
angel922@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
└── 
```

7 directories, 0 files

```
angel922@cis106:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
angel922@cis106:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
angel922@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
└── 
```

7 directories, 4 files

```
angel922@cis106:~/lab6$
```

```
angel922@cis106:~/lab6$ mkdir -p research/{books/{math,science}/{epub,pdf},magazine/{computers,running,videogames}/{fanmade,official}}/
angel922@cis106:~/lab6$ tree research/
research/
├── books
│   ├── math
│   │   ├── epub
│   │   └── pdf
│   └── science
│       ├── epub
│       └── pdf
└── magazine
    ├── computers
    │   ├── fanmade
    │   └── official
    ├── running
    │   ├── fanmade
    │   └── official
    └── videogames
        ├── fanmade
        └── official
```

17 directories, 0 files

```
angel922@cis106:~/lab6$
```