Lab 6

Question 1

```
vgarcia@cis106:~$ ls lab6/*.log
lab6/88_Application-log.log   lab6/kern.log
lab6/alternatives.log        lab6/luahbtex.log
lab6/apache01-error.log      lab6/luatex.log
lab6/apache22.log            lab6/mf.log
lab6/auth.log                lab6/pdfetex.log
lab6/bootstrap.log           lab6/pdftex.log
lab6/casper.log              lab6/term.log
lab6/dpkg.log                lab6/tex.log
lab6/dviluatex.log           lab6/ubuntu-advantage.log
lab6/etex.log                lab6/unattended-upgrades-dpkg.log
lab6/fontconfig.log          lab6/unattended-upgrades.log
lab6/gpu-manager.log         lab6/unattended-upgrades-shutdown.log
lab6/history.log             lab6/updmap.log
lab6/http404.log             lab6/vboxadd-setup.log
vgarcia@cis106:~$ mkdir lab6/log-files
vgarcia@cis106:~$ mv lab6/*.log lab6/log-files/
vgarcia@cis106:~$ 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/kerneloops.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
vgarcia@cis106:~$ ls -lSgGh --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 08/07/23 /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
vgarcia@cis106:~$
```

Question 2

```
                                                                            vgarcia@cis106: ~/lab6
vgarcia@cis106:~/lab6$ ls .??*
.auto-changelog                 .metadata-v2
.babelrc                        .meta.isrunning
.bash_aliases                   .min-wd
.bash_history                   .npmignore
.bash_logout                    .nycrc
.bashrc                         .org.chromium.Chromium.lMOr2T
.changed                        .org.chromium.Chromium.sqJDil
.coveralls.yml                  .padding
.dir-locals.el                  .parentlock
.editorconfig                   .profile
.eslintignore                   .python_history
.eslintrc                       .sudo_as_admin_successful
.eslintrc.js                    .tern-project
.eslintrc.json                  .testignore
.eslintrc.yml                   .textFiles
.gitattributes                  .tm_properties
.gitconfig                      .tonic_example.js
.gitignore                      .travis.yml
.gitkeep                        .uuid
.gitmodules                     .vboxclient-clipboard-tty2-control.pid
.gsd-keyboard.settings-ported   .vboxclient-clipboard-tty2-service.pid
.hidden                         .vboxclient-draganddrop-tty2-control.pid
.htaccess                       .vboxclient-draganddrop-tty2-service.pid
.istanbul.yml                   .vboxclient-hostversion-tty2-control.pid
.jscs.json                      .vboxclient-seamless-tty2-control.pid
.jscsrc                         .vboxclient-seamless-tty2-service.pid
.jshintignore                   .vboxclient-vmsvga-session-tty2-control.pid
.jshintrc                       .vboxclient-vmsvga-session-tty2-service.pid
.keep                           .vsixmanifest
.last_revision                  .xdp-cis106,png-NUGteX
.lesshst                        .xdp-cis106.png-SFuq4D
.lint
vgarcia@cis106:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
vgarcia@cis106:~/lab6$ ls l?st*
last.txt  list.txt  lost.txt
vgarcia@cis106:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
vgarcia@cis106:~/lab6$
```

Question 3

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

Question 4

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

4 directories, 0 files
vgarcia@cis106:~/lab6$ rm -r wallpapers/cars/{2k,4k}
vgarcia@cis106:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    └── 1080p

2 directories, 0 files
vgarcia@cis106:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
vgarcia@cis106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
vgarcia@cis106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
vgarcia@cis106:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
vgarcia@cis106:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
vgarcia@cis106:~/lab6$
```

```
vgarcia@cis106:~/lab6$ mkdir ~/lab6-q5
vgarcia@cis106:~/lab6$ cd /
vgarcia@cis106:/$ touch  ~/lab6-q5/{program.py,people.csv,data.xls}
vgarcia@cis106:/$ cd /usr/share/
vgarcia@cis106:/usr/share$ mkdir ~/lab6-q5/movies
vgarcia@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
vgarcia@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
vgarcia@cis106:/usr/share$ tree lab6-q5/
lab6-q5/  [error opening dir]

0 directories, 0 files
vgarcia@cis106:/usr/share$ tree ~/lab6-q5/
/home/vgarcia/lab6-q5/
├── data.xls
```

```
        └── movies
            └── movies.lst

1 directory, 2 files
vgarcia@cis106:/usr/share$ ▉
```

Challenge Question

```
vgarcia@cis106:~/challenge-Lab6$ mkdir -p challenge-Lab6/audio,docs,images/{acc,mp3}/{docx
vgarcia@cis106:~/challenge-Lab6$ touch challenge-Lab6/audio,docs,images/{acc,mp3}/{docx,pd
f,xls}/{jpg,png}/acc,mp3/docs,pdf,xls/jpg,png
touch: cannot touch 'challenge-Lab6/audio,docs,images/acc/docx/jpg/acc,mp3/docs,pdf,xls/jp
g,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/acc/docx/png/acc,mp3/docs,pdf,xls/jp
g,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/acc/pdf/jpg/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/acc/pdf/png/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/acc/xls/jpg/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/acc/xls/png/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/mp3/docx/jpg/acc,mp3/docs,pdf,xls/jp
g,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/mp3/docx/png/acc,mp3/docs,pdf,xls/jp
g,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/mp3/pdf/jpg/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/mp3/pdf/png/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/mp3/xls/jpg/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
touch: cannot touch 'challenge-Lab6/audio,docs,images/mp3/xls/png/acc,mp3/docs,pdf,xls/jpg
,png': No such file or directory
vgarcia@cis106:~/challenge-Lab6$ ▉
```