Lab 6

Question 1

```
1: ariverarodriguez@cis106: ~
ariverarodriguez@cis106:~$ ls lab6/*.log
lab6/88_Application-log.log   lab6/error.log          lab6/pdfetex.log
lab6/access.log               lab6/etex.log           lab6/pdftex.log
lab6/alternatives.log         lab6/fontconfig.log     lab6/term.log
lab6/apache01-error.log       lab6/gpu-manager.log    lab6/tex.log
lab6/apache22.log             lab6/history.log        lab6/ubuntu-advantage.log
lab6/auth.log                 lab6/http404.log        lab6/unattended-upgrades-dpkg.log
lab6/bootstrap.log            lab6/kern.log           lab6/unattended-upgrades.log
lab6/casper.log               lab6/luahbtex.log       lab6/unattended-upgrades-shutdown.log
lab6/dpkg.log                 lab6/luatex.log         lab6/updmap.log
lab6/dviluatex.log            lab6/mf.log             lab6/vboxadd-setup.log
ariverarodriguez@cis106:~$ mkdir lab6/log-files
ariverarodriguez@cis106:~$ mv lab6/*.log lab6/log-files/
ariverarodriguez@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
ariverarodriguez@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
ariverarodriguez@cis106:~$
```

Question 2

```
1/1 ∨   +   ⬒   ⬚        Tilix: ariverarodriguez@cis106: ~/lab6     Q   ≡   —   ▢   ✕

1: ariverarodriguez@cis106: ~/lab6 ∨                                         ▢    ✕

ariverarodriguez@cis106:~/lab6$ ls .??*
.auto-changelog              .keep
.babelrc                     .last_revision
.bash_aliases                .lesshst
.bash_history                .lint
.bash_logout                 .metadata-v2
.bashrc                      .meta.isrunning
.changed                     .migrated
.cis106.png                  .min-wd
.coveralls.yml               .npmignore
.dir-locals.el               .nycrc
.editorconfig                .obsolete
.eslintignore                .org.chromium.Chromium.NfFEEF
.eslintrc                    .padding
.eslintrc.js                 .parentlock
.eslintrc.json               .profile
.eslintrc.yml                .sudo_as_admin_successful
.gitattributes               .tern-project
.gitconfig                   .testignore
.gitignore                   .textFiles
.gitkeep                     .tm_properties
.gitmodules                  .tonic_example.js
.gsd-keyboard.settings-ported  .travis.yml
.hidden                      .uuid
.hidden1.doc                 .vboxclient-clipboard-tty2-control.pid
.hidden1.py                  .vboxclient-clipboard-tty2-service.pid
.hidden2.doc                 .vboxclient-draganddrop-tty2-control.pid
.hidden2.py                  .vboxclient-draganddrop-tty2-service.pid
.hiddenFile.txt              .vboxclient-hostversion-tty2-control.pid
.htaccess                    .vboxclient-seamless-tty2-control.pid
.istanbul.yml                .vboxclient-seamless-tty2-service.pid
.jscs.json                   .vboxclient-vmsvga-session-tty2-control.pid
.jscsrc                      .vboxclient-vmsvga-session-tty2-service.pid
.jshintignore                .vsixmanifest
.jshintrc
ariverarodriguez@cis106:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
ariverarodriguez@cis106:~/lab6$ ls l?st*
last.txt  list.txt  lost.txt
ariverarodriguez@cis106:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
ariverarodriguez@cis106:~/lab6$ █
```

Question 3

```
1/1 ∨   +   ⬒   ⬚        Tilix: ariverarodriguez@cis106: ~/lab6     Q   ≡   —   ▢   ✕

1: ariverarodriguez@cis106: ~/lab6 ∨                                         ▢    ✕

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

Question 4

```
1/1 ∨   +   ⬘   ⬚        … iguez@cis106: ~/lab6   Q   ≡   —   □   ✕

1: ariverarodriguez@cis106: ~/lab6 ∨                                    □   ✕

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

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

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

11 directories, 0 files
ariverarodriguez@cis106:~/lab6$ ▮
```

```
1/1 ∨   +   ⬘   ⬚        … odriguez@cis106: /usr/share   Q   ≡   —   □   ✕

1: ariverarodriguez@cis106: /usr/share ∨                                □   ✕

ariverarodriguez@cis106:~/lab6$ mkdir ~/lab6-q5
ariverarodriguez@cis106:~/lab6$ mkdir cd/
ariverarodriguez@cis106:~/lab6$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
ariverarodriguez@cis106:~/lab6$ cd /usr/share/
ariverarodriguez@cis106:/usr/share$ mkdir ~/lab6-q5/movies
ariverarodriguez@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
ariverarodriguez@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
ariverarodriguez@cis106:/usr/share$ tree ~/lab6-q5/
/home/ariverarodriguez/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
ariverarodriguez@cis106:/usr/share$ ▮
```

Challenge Question

```
1/1 ∨    +    ⬘    ⬚              Tilix: ariverarodriguez@cis106: ~          🔍  ☰   —  ▢  ✕

1: ariverarodriguez@cis106: ~ ∨                                                        ▢   ✕

ariverarodriguez@cis106:~$ mkdir challenge-Lab6/{audio,docs,images}
ariverarodriguez@cis106:~$ mkdir challenge-Lab6/audio/{aac,mp3} challenge-Lab6/docs/{docx,pdf,xls} challenge-Lab6/images/{jpg,png}
ariverarodriguez@cis106:~$ mv challenge-Lab6/*.aac challenge-Lab6/audio/aac/
ariverarodriguez@cis106:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/
ariverarodriguez@cis106:~$ mv challenge-Lab6/*.docx challenge-Lab6/docs/docx/
ariverarodriguez@cis106:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/
ariverarodriguez@cis106:~$ mv challenge-Lab6/*.jpg challenge-Lab6/images/jpg/
ariverarodriguez@cis106:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/
ariverarodriguez@cis106:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── image1.gif
├── image2.gif
├── images
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program.go
├── program.py
├── program.rb
└── program.sh

10 directories, 18 files
ariverarodriguez@cis106:~$ ▊
```