Lab 6

Question 1

```
1: keven@cis106: ~
keven@cis106:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/auth.log       lab6/dviluatex.log    lab6/history.log   lab6/luatex.log   lab6/term.log                      lab6/unattended-upgrades.log
lab6/alternatives.log        lab6/bootstrap.log  lab6/etex.log         lab6/http404.log   lab6/mf.log       lab6/tex.log                       lab6/unattended-upgrades-shutdown.log
lab6/apache01-error.log      lab6/casper.log     lab6/fontconfig.log   lab6/kern.log      lab6/pdfetex.log  lab6/ubuntu-advantage.log          lab6/updmap.log
lab6/apache22.log            lab6/dpkg.log       lab6/gpu-manager.log  lab6/luahbtex.log  lab6/pdftex.log   lab6/unattended-upgrades-dpkg.log  lab6/vboxadd-setup.log
keven@cis106:~$ mkdir lab6/log-files
keven@cis106:~$ mv lab6/*.log lab6/log-files/
keven@cis106:~$ ls /etc/*.conf
/etc/adduser.conf          /etc/dante.conf    /etc/fuse.conf    /etc/kernel-img.conf  /etc/logrotate.conf  /etc/pnm2ppa.conf   /etc/sudo.conf            /etc/xattr.conf
/etc/apg.conf              /etc/debconf.conf  /etc/gai.conf     /etc/kerneloops.conf  /etc/mke2fs.conf     /etc/resolv.conf    /etc/sudo_logsrvd.conf
/etc/appstream.conf        /etc/deluser.conf  /etc/hdparm.conf  /etc/ld.so.conf       /etc/nftables.conf   /etc/rsyslog.conf   /etc/sysctl.conf
/etc/brltty.conf           /etc/e2scrub.conf  /etc/host.conf    /etc/libao.conf       /etc/nsswitch.conf   /etc/rygel.conf     /etc/ucf.conf
/etc/ca-certificates.conf  /etc/fprintd.conf  /etc/inxi.conf    /etc/libaudit.conf    /etc/pam.conf        /etc/sensors3.conf  /etc/usb_modeswitch.conf
keven@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
keven@cis106:~$ _
```

Question 2

```
1: keven@cis106: ~/lab6
keven@cis106:~/lab6$ ls .??*
.2.git.trashinfo  .eslintignore   .gsd-keyboard.settings-ported  .lint                          .profile                          .vboxclient-draganddrop-tty2-service.pid
.auto-changelog   .eslintrc       .hidden                         .metadata-v2                    .sudo_as_admin_successful         .vboxclient-hostversion-tty2-control.pid
.babelrc          .eslintrc.js    .htaccess                       .meta.isrunning                 .tern-project                     .vboxclient-seamless-tty2-control.pid
.bash_history     .eslintrc.json  .istanbul.yml                   .migrated                       .testignore                       .vboxclient-seamless-tty2-service.pid
.bash_logout      .eslintrc.yml   .jscs.json                      .min-wd                         .tm_properties                    .vboxclient-vmsvga-session-tty2-control.pid
.bashrc           .gitattributes  .jscsrc                         .npmignore                      .tonic_example.js                 .vboxclient-vmsvga-session-tty2-service.pid
.changed          .gitconfig      .jshintignore                   .nvmrc                          .travis.yml                       .vsixmanifest
.cis106.png       .gitignore      .jshintrc                       .nycrc                          .uuid
.coveralls.yml    .gitkeep        .keep                           .org.chromium.Chromium.tRZw7Q   .vboxclient-clipboard-tty2-control.pid
.dir-locals.el    .gitmodules     .last_revision                  .padding                        .vboxclient-clipboard-tty2-service.pid
.editorconfig     .git.trashinfo  .lesshst                        .parentlock                     .vboxclient-draganddrop-tty2-control.pid
keven@cis106:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
keven@cis106:~/lab6$ ls l?st*
last.txt  list.txt  lost.txt
keven@cis106:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
keven@cis106:~/lab6$ _
```

Question 3

```
1: keven@cis106: ~/lab6
keven@cis106:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
keven@cis106:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
keven@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
keven@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
keven@cis106:~/lab6$ _
```

Question 4

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

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

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

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

```
1: keven@cis106: /usr/share
keven@cis106:~/lab6$ mkdir ~/lab6-q5
keven@cis106:~/lab6$ cd /
keven@cis106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
keven@cis106:/$ cd /usr/share/
keven@cis106:/usr/share$ mkdir ~/lab6-q5/movies
keven@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
keven@cis106:/usr/share$ rm ~/lab6-q5/
rm: cannot remove '/home/keven/lab6-q5/': Is a directory
keven@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc.marvel.txt}}
rm: cannot remove '/home/keven/lab6-q5//movies/{disney.doc.marvel.txt}': No such file or directory
[illegible]
keven@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
rm: cannot remove '/home/keven/lab6-q5/program.py': No such file or directory
rm: cannot remove '/home/keven/lab6-q5/people.csv': No such file or directory
keven@cis106:/usr/share$ tree ~/lab6-q5/
/home/keven/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
keven@cis106:/usr/share$ _
```

Question 5 challenge

```
1: keven@cis106: ~
keven@cis106:~$ curl https://cis106.com/assets/lab6cq.sh | bash

  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   165  100   165    0     0    851      0 --:--:-- --:--:-- --:--:--   854
keven@cis106:~$ ls challenge-Lab6/
docs1.docx  docs2.docx  image1.gif  image1.png  image2.jpg  program.go  program.rb  song1.aac  song2.aac
docs1.pdf   docs2.pdf   image1.jpg  image2.gif  image2.png  program.py  program.sh  song1.mp3  song2.mp3
keven@cis106:~$ mkdir -p challenge-Lab6/audio/{aac,mp3}
keven@cis106:~$ mv challenge-Lab6/song1.aac challenge-Lab6/song2.aac aac/
mv: target 'aac/' is not a directory
keven@cis106:~$ mv challenge-Lab6/song1.aac challenge-Lab6/song2.aac challenge-Lab6/audio/aac/
keven@cis106:~$ mv challenge-Lab6/song1.mp3 challenge-Lab6/song2.mp3 challenge-Lab6/audio/mp3/
keven@cis106:~$ mkdir -p challenge-Lab6/docs/{docx,pdf,xls}
keven@cis106:~$ mv challenge-Lab6/docs1.docx challenge-Lab6/docs2.docx challenge-Lab6/docs/docx/
keven@cis106:~$ mv challenge-Lab6/docs1.pdf challenge-Lab6/docs2.pdf challenge-Lab6/docs/pdf/
keven@cis106:~$ mkdir -p challenge-Lab6/images/{jpg,png}
keven@cis106:~$ mv challenge-Lab6/image1.jpg challenge-Lab6/image2.jpg challenge-Lab6/images/jpg/
keven@cis106:~$ mv challenge-Lab6/image1.png challenge-Lab6/image2.png challenge-Lab6/images/png/
keven@cis106:~$ mv challenge-Lab6/image1.gif challenge-Lab6/image2.gif challenge-Lab6/images/gif/
keven@cis106:~$ mv challenge-Lab6/program.go challenge-Lab6/program.py challenge-Lab6/program.rb challenge-Lab6/program.sh challenge-Lab6/images/xls/
mv: target 'challenge-Lab6/images/xls/' is not a directory
keven@cis106:~$ mv challenge-Lab6/program.go challenge-Lab6/program.py challenge-Lab6/program.rb challenge-Lab6/program.sh challenge-Lab6/docs/xls/
```

```
keven@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
│       ├── program.go
│       ├── program.py
│       ├── program.rb
│       └── program.sh
└── images
    ├── gif
    │   ├── image1.gif
    │   └── image2.gif
    ├── jpg
    │   ├── image1.jpg
    │   └── image2.jpg
    └── png
        ├── image1.png
        └── image2.png

11 directories, 18 files
keven@cis106:~$ _
```