Lab 6

Question 1

```
jdpaz@cis106vm ~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/apache22.log  lab6/dpkg.log      lab6/fontconfig.log  lab6/kern.log      lab6/pdfetex.log  lab6/ubuntu-advantage.log        lab6/unattended-upgrades-shutdown.log
lab6/access.log             lab6/auth.log       lab6/dviluatex.log  lab6/gpu-manager.log lab6/luahbtex.log  lab6/pdftex.log   lab6/ubuntu-advantage-timer.log  lab6/updmap.log
lab6/alternatives.log       lab6/bootstrap.log  lab6/error.log      lab6/history.log     lab6/luatex.log    lab6/term.log     lab6/unattended-upgrades-dpkg.log lab6/vboxadd-setup.log
lab6/apache01-error.log     lab6/casper.log     lab6/etex.log       lab6/http404.log     lab6/mf.log        lab6/tex.log      lab6/unattended-upgrades.log
jdpaz@cis106vm ~$ mkdir lab6/log-files
jdpaz@cis106vm ~$ mv lab6/*.log lab6/log-files/
jdpaz@cis106vm ~$ ls /etc/*.conf
/etc/adduser.conf      /etc/ca-certificates.conf  /etc/fprintd.conf  /etc/host.conf      /etc/ld.so.conf      /etc/mke2fs.conf    /etc/pnm2ppa.conf  /etc/sensors3.conf      /etc/ucf.conf
/etc/apg.conf          /etc/debconf.conf          /etc/fuse.conf     /etc/inxi.conf      /etc/libao.conf      /etc/nftables.conf  /etc/resolv.conf   /etc/sudo.conf          /etc/usb_modeswitch.conf
/etc/appstream.conf    /etc/deluser.conf          /etc/gai.conf      /etc/kernel-img.conf /etc/libaudit.conf  /etc/nsswitch.conf  /etc/rsyslog.conf  /etc/sudo_logsrvd.conf  /etc/xattr.conf
/etc/brltty.conf       /etc/e2scrub.conf          /etc/hdparm.conf   /etc/kerneloops.conf /etc/logrotate.conf /etc/pam.conf       /etc/rygel.conf    /etc/sysctl.conf
jdpaz@cis106vm ~$ ls -lSgGh --time-style=+%D /etc/[hp]
ls: cannot access '/etc/[hp]': No such file or directory
jdpaz@cis106vm ~$ ls -lSgGh --time-style=+%D /etc/[hp]*.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
jdpaz@cis106vm ~$
```

Question 2

```
jdpaz@cis106vm lab6$ ls .??*
.appveyor.yml    .changed         .eslintrc       .gitmodules      .hiddenFile.txt  .keep          .min-wd        .profile          .uuid
.auto-changelog  .cis106.png      .eslintrc.js    .gsd-keyboard.settings-ported  .htaccess  .last_revision  .npmignore     .sudo_as_admin_successful  .vboxclient-clipboard.pid
.babelrc         .coveralls.yml   .eslintrc.json  .hidden         .istanbul.yml    .lesshst       .nycrc         .tern-project     .vboxclient-draganddrop.pid
.bash_history    .dir-locals.el   .eslintrc.yml   .hidden1.doc     .jscs.json       .lint          .padding       .testignore       .vboxclient-seamless.pid
.bash_logout     .editorconfig    .gitattributes  .hidden1.py      .jscsrc          .metadata-v2   .parentlock    .tm_properties    .vboxclient-vmsvga-session-tty2.pid
.bashrc          .envrc           .gitconfig      .hidden2.doc     .jshintignore    .meta.isrunning .prettierignore .tonic_example.js .viminfo
.bashrc.bak      .eslintignore    .gitkeep        .hidden2.py      .jshintrc        .migrated      .prettierrc.yaml .travis.yml      .vsixmanifest
jdpaz@cis106vm lab6$ ls *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
jdpaz@cis106vm lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
jdpaz@cis106vm lab6$ ls l?st*
last.txt  list.txt  lost.txt
jdpaz@cis106vm lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
jdpaz@cis106vm lab6$ _
```

Question 3

```
jdpaz@cis106vm lab6$ ls [A-Z]*
Document.doc  Expenses.xls
jdpaz@cis106vm lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
jdpaz@cis106vm 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
jdpaz@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
jdpaz@cis106vm lab6$
```

Question 4

```
jdpaz@cis106vm lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
jdpaz@cis106vm lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

4 directories, 0 files
jdpaz@cis106vm lab6$
```

```
  directories, 0 files
jdpaz@cis106vm lab6$ mkdir -p assets/{imgs,video}/{large,small}
jdpaz@cis106vm lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
jdpaz@cis106vm lab6$ _
```

```
jdpaz@cis106vm lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
jdpaz@cis106vm lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
jdpaz@cis106vm lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
```

```
jdpaz@cis106vm ~$ mkdir lab6-q5
jdpaz@cis106vm ~$ cd /
jdpaz@cis106vm /$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
jdpaz@cis106vm /$ cd /usr/share/
jdpaz@cis106vm share$ mkdir ~/lab6-q5/movies
jdpaz@cis106vm share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
jdpaz@cis106vm share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}
rm: cannot remove '/home/jdpaz/lab6-q5/{program.py,people.csv,/movies/disney.doc': No such file or directory
rm: cannot remove '/home/jdpaz/lab6-q5/{program.py,people.csv,/movies/marvel.txt': No such file or directory
jdpaz@cis106vm share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
jdpaz@cis106vm share$ tree ~/lab6-q5/
/home/jdpaz/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
jdpaz@cis106vm share$
```

Challenge Question

```
jdpaz@cis106vm ~$ cd challenge-Lab6/
jdpaz@cis106vm challenge-Lab6$ ls
docs1.docx   docs1.pdf   docs2.docx   docs2.pdf   image1.gif   image1.jpg   image1.png   image2.gif   image2.jpg   image2.png   program.go   program.py   program.rb   program.sh   song1.aac   song1.mp3   song2.aac   song2.mp3
jdpaz@cis106vm challenge-Lab6$ mkdir -p audio/{aac,mp3} docs/{docx,pdf,xls} images/{jpg,png}
jdpaz@cis106vm challenge-Lab6$ mv *.aac audio/aac/
jdpaz@cis106vm challenge-Lab6$ mv *.mp3 audio/mp3/
jdpaz@cis106vm challenge-Lab6$ mv *.docx docs/docx/
jdpaz@cis106vm challenge-Lab6$ mv *.pdf docs/pdf/
jdpaz@cis106vm challenge-Lab6$ mv *.xls docs/xls/
mv: cannot stat '*.xls': No such file or directory
jdpaz@cis106vm challenge-Lab6$ mv *.jpg images/jpg/
jdpaz@cis106vm challenge-Lab6$ mv *.png images/png/
jdpaz@cis106vm challenge-Lab6$ tree audio docs images
audio
├── aac
│   ├── song1.aac
│   └── song2.aac
└── mp3
    ├── song1.mp3
    └── song2.mp3
docs
├── docx
│   ├── docs1.docx
│   └── docs2.docx
├── pdf
│   ├── docs1.pdf
│   └── docs2.pdf
└── xls
images
├── jpg
│   ├── image1.jpg
│   └── image2.jpg
└── png
    ├── image1.png
    └── image2.png

2 directories, 4 files
jdpaz@cis106vm challenge-Lab6$ _
```