Lab 6

Question 1

```
ojsevillano@cis106vm:~$ ls lab6/*.log
lab6/88_Application-log.log   lab6/fontconfig.log     lab6/tex.log
lab6/alternatives.log         lab6/gpu-manager.log    lab6/ubuntu-advantage.log
lab6/apache01-error.log       lab6/history.log        lab6/ubuntu-advantage-timer.log
lab6/apache22.log             lab6/http404.log        lab6/unattended-upgrades-dpkg.log
lab6/apport.log               lab6/kern.log           lab6/unattended-upgrades.log
lab6/auth.log                 lab6/luahbtex.log       lab6/unattended-upgrades-shutdown.log
lab6/bootstrap.log            lab6/luatex.log         lab6/updmap.log
lab6/casper.log               lab6/mf.log             lab6/vboxadd-install.log
lab6/dpkg.log                 lab6/pdfetex.log        lab6/vboxadd-setup.log
lab6/dviluatex.log            lab6/pdftex.log
lab6/etex.log                 lab6/term.log
ojsevillano@cis106vm:~$ mkdir lab6/log-files
ojsevillano@cis106vm:~$ mv lab6/*.log lab6/log-files/
ojsevillano@cis106vm:~$ ls /etc/*.conf
/etc/adduser.conf         /etc/fuse.conf          /etc/libaudit.conf   /etc/rygel.conf
/etc/apg.conf             /etc/gai.conf           /etc/logrotate.conf  /etc/sensors3.conf
/etc/appstream.conf       /etc/hdparm.conf        /etc/mke2fs.conf     /etc/sudo.conf
/etc/brltty.conf          /etc/host.conf          /etc/nftables.conf   /etc/sudo_logsrvd.conf
/etc/ca-certificates.conf /etc/inxi.conf          /etc/nsswitch.conf   /etc/sysctl.conf
/etc/debconf.conf         /etc/kernel-img.conf    /etc/pam.conf        /etc/ucf.conf
/etc/deluser.conf         /etc/kerneloops.conf    /etc/pnm2ppa.conf    /etc/usb_modeswitch.conf
/etc/e2scrub.conf         /etc/ld.so.conf         /etc/resolv.conf     /etc/xattr.conf
/etc/fprintd.conf         /etc/libao.conf         /etc/rsyslog.conf
ojsevillano@cis106vm:~$ ls -lSgGh --time-style=+%D /etc/h*.conf /etc/p*.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
ojsevillano@cis106vm:~$
```
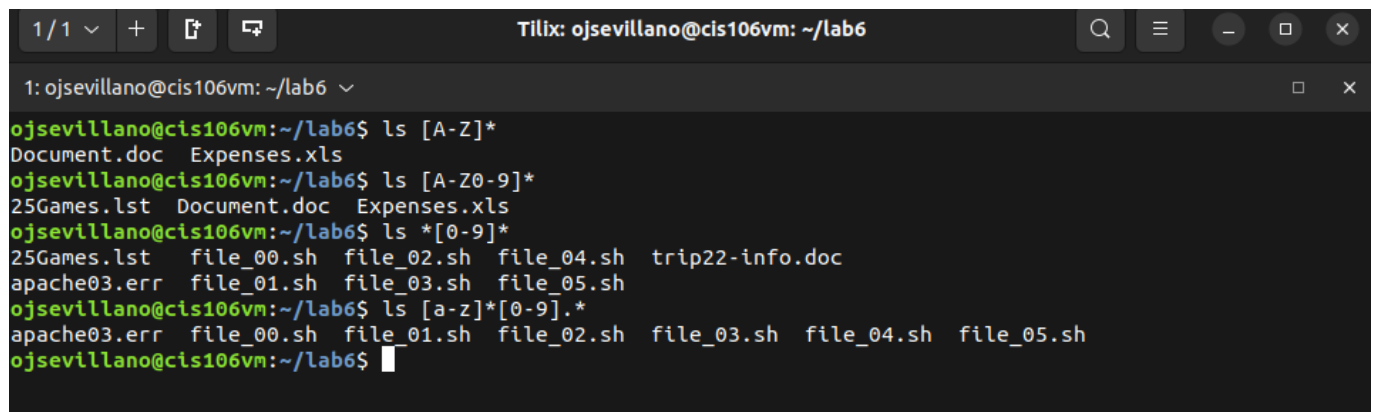
QUestion 2

```
ojsevillano@cis106vm:~/lab6$ ls .??*
.appveyor.yml      .eslintrc.yml               .jshintignore    .sudo_as_admin_successful
.auto-changelog    .gitattributes             .jshintrc        .templdir.cache
.babelrc           .gitconfig                 .keep            .tern-project
.bash_history      .gitignore                 .last_revision   .testignore
.bash_logout       .gitkeep                   .lesshst         .tm_properties
.bashrc            .gitmodules                .lint            .tonic_example.js
.changed           .gsd-keyboard.settings-ported  .metadata-v2 .travis.yml
.cis106.png        .hidden1.doc               .meta.isrunning  .uuid
.coveralls.yml     .hidden1.py                .min-wd          .vboxclient-clipboard.pid
.dir-locals.el     .hidden2.doc               .npmignore       .vboxclient-display-svga-x11.pid
.editorconfig      .hidden2.py                .nycrc           .vboxclient-draganddrop.pid
.envrc             .hiddenFile.txt            .padding         .vboxclient-seamless.pid
.eslintignore      .htaccess                  .parentlock      .vsixmanifest
.eslintrc          .istanbul.yml              .prettierignore
.eslintrc.js       .jscs.json                 .prettierrc.yaml
.eslintrc.json     .jscsrc                    .profile
ojsevillano@cis106vm:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
ojsevillano@cis106vm:~/lab6$ ls l?st*
last.txt  list.txt  lost.txt
ojsevillano@cis106vm:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
ojsevillano@cis106vm:~/lab6$
```

Question 3

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

Question 4

```
1/1 ∨   +   ⬚   ⬚              Tilix: ojsevillano@cis106vm: ~/lab6            Q  ≡  –  □  ✕

1: ojsevillano@cis106vm: ~/lab6 ∨                                              □   ✕

ojsevillano@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
ojsevillano@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p                              3 / 4
    ├── 2k
    └── 4k

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

6 directories, 0 files
ojsevillano@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
ojsevillano@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
ojsevillano@cis106vm:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
ojsevillano@cis106vm:~/lab6$ █
```

```
1/1 ∨   +   ⬚   ⬚            Tilix: ojsevillano@cis106vm: /usr/share          Q  ≡  –  □  ✕

1: ojsevillano@cis106vm: /usr/share ∨                                          □   ✕

ojsevillano@cis106vm:~/lab6$ mkdir ~/lab6-q5
ojsevillano@cis106vm:~/lab6$ cd /
ojsevillano@cis106vm:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
ojsevillano@cis106vm:/$ cd /usr/share/
ojsevillano@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
ojsevillano@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
ojsevillano@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
ojsevillano@cis106vm:/usr/share$ tree ~/lab6-q5/
/home/ojsevillano/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
ojsevillano@cis106vm:/usr/share$ █
```

Question 5 (Challenge)

```
1/1 ∨   +   ⬚   ⬚            Tilix: ojsevillano@cis106vm: ~/challenge-Lab6            ⚲  ☰  —  ▢  ✕

1: ojsevillano@cis106vm: ~/challenge-Lab6 ∨                                                    ▢  ✕

ojsevillano@cis106vm:~$ 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   1302      0 --:--:-- --:--:-- --:--:--  1309
ojsevillano@cis106vm:~$ mkdir ~/challenge-Lab6/{audio,docs,images}
ojsevillano@cis106vm:~$ ls ~/challenge-Lab6/
audio       docs1.pdf   image1.gif  image2.gif  images      program.rb  song1.mp3
docs        docs2.docx  image1.jpg  image2.jpg  program.go  program.sh  song2.aac
docs1.docx  docs2.pdf   image1.png  image2.png  program.py  song1.aac   song2.mp3
ojsevillano@cis106vm:~$ cd challenge-Lab6/
ojsevillano@cis106vm:~/challenge-Lab6$ mkdir ~/challenge-Lab6/audio/{acc,mp3}
ojsevillano@cis106vm:~/challenge-Lab6$ mkdir ~/challenge-Lab6/docs/{docx,pdf,xls}
ojsevillano@cis106vm:~/challenge-Lab6$ mkdir ~/challenge-Lab6/images/{jpg,png}
ojsevillano@cis106vm:~/challenge-Lab6$ ls
audio       docs1.pdf   image1.gif  image2.gif  images      program.rb  song1.mp3
docs        docs2.docx  image1.jpg  image2.jpg  program.go  program.sh  song2.aac
docs1.docx  docs2.pdf   image1.png  image2.png  program.py  song1.aac   song2.mp3
ojsevillano@cis106vm:~/challenge-Lab6$ ls docs
docx  pdf  xls
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.aac ~/challenge-Lab6/audio/acc/
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.mp3 ~/challenge-Lab6/audio/mp3/
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.docx ~/challenge-Lab6/docs
docs/       docs1.docx  docs1.pdf   docs2.docx  docs2.pdf
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.docx ~/challenge-Lab6/docs/docx/
ojsevillano@cis106vm:~/challenge-Lab6$ ls
audio  docs1.pdf  image1.gif  image1.png  image2.jpg  images      program.py  program.sh
docs   docs2.pdf  image1.jpg  image2.gif  image2.png  program.go  program.rb
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.pdf ~/challenge-Lab6/docs/pdf/
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.jpg ~/challenge-Lab6/images/jpg/
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.png ~/challenge-Lab6/images/png/
ojsevillano@cis106vm:~/challenge-Lab6$ ls
audio  docs  image1.gif  image2.gif  images  program.go  program.py  program.rb  program.sh
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.go *.py *.rb *.sh ~/challenge-Lab6/docs/xls/
ojsevillano@cis106vm:~/challenge-Lab6$ ls
audio  docs  image1.gif  image2.gif  images
ojsevillano@cis106vm:~/challenge-Lab6$ mv *.gif ~/challenge-Lab6/images/jpg/
ojsevillano@cis106vm:~/challenge-Lab6$ tree
```