Lab 6

Question 1


```
raalberto@cis106vm:~$ ls lab6/*.log
lab6/88_Application-log.log   lab6/fontconfig.log    lab6/term.log
lab6/alternatives.log         lab6/gpu-manager.log   lab6/tex.log
lab6/apache01-error.log       lab6/history.log       lab6/ubuntu-advantage.log
lab6/apache22.log             lab6/http404.log       lab6/ubuntu-advantage-timer.log
lab6/auth.log                 lab6/kern.log          lab6/unattended-upgrades-dpkg.log
lab6/bootstrap.log            lab6/luahbtex.log      lab6/unattended-upgrades.log
lab6/casper.log               lab6/luatex.log        lab6/unattended-upgrades-shutdown.log
lab6/dpkg.log                 lab6/mf.log            lab6/updmap.log
lab6/dviluatex.log            lab6/pdfetex.log       lab6/vboxadd-install.log
lab6/etex.log                 lab6/pdftex.log        lab6/vboxadd-setup.log
raalberto@cis106vm:~$ mkdir lab6/log-files
raalberto@cis106vm:~$ mv lab6/*.log lab6/log-files/
raalberto@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
raalberto@cis106vm:~$ ls -lSgGh --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 04/19/22 /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
raalberto@cis106vm:~$
```

Question 2


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

Question 3

```
1/1 ∨   +   ⊡   ⊡              Tilix: raalberto@cis106vm: ~/lab6              🔍  ≡  –  ☐  ✕

1: raalberto@cis106vm: ~/lab6 ∨                                                    ☐    ✕

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

Question 4

```
1/1 ∨    +    ⌷    ⬚                Tilix: raalberto@cis106vm: ~/lab6            🔍  ≡  _  ⬚  ✕

1: raalberto@cis106vm: ~/lab6 ∨                                                    ⬚  ✕

raalberto@cis106vm:~/lab6$ rm -r walpapers/
raalberto@cis106vm:~/lab6$ mkdir -p walpapers/cars/{1080p,2k,4k}
raalberto@cis106vm:~/lab6$ tree walpapers/
walpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

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

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

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

```
1/1 ∨    +    ⌷    ⬚               Tilix: raalberto@cis106vm: /usr/share         🔍  ≡  _  ⬚  ✕

1: raalberto@cis106vm: /usr/share ∨                                               ⬚  ✕

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

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

Question 5 challenge

challenge goes here