Lab6

Question 1

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

/etc/dconf:
db  profile
carlosjcatotavalladares@cis106vm:~$ ls /etc/*.conf
/etc/adduser.conf        /etc/e2scrub.conf   /etc/kernel-img.conf   /etc/nftables.conf   /etc/sensors3.conf
/etc/apg.conf            /etc/fprintd.conf   /etc/kerneloops.conf   /etc/nsswitch.conf   /etc/sudo.conf
/etc/appstream.conf      /etc/fuse.conf      /etc/ld.so.conf        /etc/pam.conf        /etc/sudo_logsrvd.conf
/etc/brltty.conf         /etc/gai.conf       /etc/libao.conf        /etc/pnm2ppa.conf    /etc/sysctl.conf
/etc/ca-certificates.conf /etc/hdparm.conf   /etc/libaudit.conf     /etc/resolv.conf     /etc/ucf.conf
/etc/debconf.conf        /etc/host.conf      /etc/logrotate.conf    /etc/rsyslog.conf    /etc/usb_modeswitch.conf
/etc/deluser.conf        /etc/inxi.conf      /etc/mke2fs.conf       /etc/rygel.conf      /etc/xattr.conf
carlosjcatotavalladares@cis106vm:~$ 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
carlosjcatotavalladares@cis106vm:~$ _
```

Question 2

```
carlosjcatotavalladares@cis106vm:~/lab6$ ls .??*
.auto-changelog   .gsd-keyboard.settings-ported   .parentlock
.babelrc          .hidden                         .profile
.bash_history     .htaccess                       .sudo_as_admin_successful
.bash_logout      .istanbul.yml                   .templdir.cache
.bashrc           .jscs.json                      .tern-project
.changed          .jscsrc                         .testignore
.cis106.png       .jshintignore                   .tm_properties
.coveralls.yml    .jshintrc                       .tonic_example.js
.dir-locals.el    .keep                           .travis.yml
.editorconfig     .last_revision                  .uuid
.eslintignore     .lesshst                        .vboxclient-clipboard-tty2-control.pid
.eslintrc         .lint                           .vboxclient-clipboard-tty2-service.pid
.eslintrc.js      .metadata-v2                    .vboxclient-draganddrop-tty2-control.pid
.eslintrc.json    .meta.isrunning                 .vboxclient-draganddrop-tty2-service.pid
.eslintrc.yml     .migrated                       .vboxclient-hostversion-tty2-control.pid
.gitattributes    .min-wd                         .vboxclient-seamless-tty2-control.pid
.gitconfig        .npmignore                      .vboxclient-seamless-tty2-service.pid
.gitignore        .nycrc                          .vboxclient-vmsvga-session-tty2-control.pid
.gitkeep          .org.chromium.Chromium.ZZSEtg   .vboxclient-vmsvga-session-tty2-service.pid
.gitmodules       .padding                        .vsixmanifest
carlosjcatotavalladares@cis106vm:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
carlosjcatotavalladares@cis106vm:~/lab6$ ls l?st*
last.txt  list.txt  lost.txt
carlosjcatotavalladares@cis106vm:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
carlosjcatotavalladares@cis106vm:~/lab6$ _
```

Question 3

```
1: carlosjcatotavalladares@cis106vm: ~/lab6  ⌄                                    □   ✕
carlosjcatotavalladares@cis106vm:~$ cd lab6
carlosjcatotavalladares@cis106vm:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
carlosjcatotavalladares@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
carlosjcatotavalladares@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
carlosjcatotavalladares@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
carlosjcatotavalladares@cis106vm:~/lab6$ _
```

Question 4

```
1: carlosjcatotavalladares@cis106vm: ~/lab6  ∨

carlosjcatotavalladares@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
carlosjcatotavalladares@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k                                          3 / 5
    └── 4k

4 directories, 0 files
carlosjcatotavalladares@cis106vm:~/lab6$ _
```

```
1: carlosjcatotavalladares@cis106vm: ~/lab6  ∨

carlosjcatotavalladares@cis106vm:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
carlosjcatotavalladares@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
carlosjcatotavalladares@cis106vm:~/lab6$ _
```

```
carlosjcatotavalladares@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
carlosjcatotavalladares@cis106vm:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
carlosjcatotavalladares@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
carlosjcatotavalladares@cis106vm:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
carlosjcatotavalladares@cis106vm:~/lab6$ _
```

```
1: carlosjcatotavalladares@cis106vm: /usr/share  ∨                                                □

carlosjcatotavalladares@cis106vm:~/lab6$ mkdir ~/lab5-q5
carlosjcatotavalladares@cis106vm:~/lab6$ cd /
carlosjcatotavalladares@cis106vm:/$ touch ~/lab5-q5/{program.py,people.csv,data.xls}
carlosjcatotavalladares@cis106vm:/$ cd /usr/share
carlosjcatotavalladares@cis106vm:/usr/share$ mkdir ~/lab5-q5/movies
carlosjcatotavalladares@cis106vm:/usr/share$ touch ~/lab5-q5/movies/{movies.lst,marvel.txt,disney.doc}
carlosjcatotavalladares@cis106vm:/usr/share$ rm ~/lab5-q5/{program.py,people.csv,/movies/{marvel.txt,disney.doc}}
carlosjcatotavalladares@cis106vm:/usr/share$ tree ~/lab5-q5/
/home/carlosjcatotavalladares/lab5-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
carlosjcatotavalladares@cis106vm:/usr/share$ _
```

Question 5 Challenge

```
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mkdir -p audio/{acc,mp3} docs/{docx,pdf,xls} images/{jpg,png,gif} program/{go,py,rb,sh}
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.aac audio/acc/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.mp3 audio/mp3/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.docx docs/docx/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.pdf docs/pdf/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.jpg images/jpg/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.png images/png/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.gif images/gif/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.go program/go/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.py program/py/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.rb program/rb/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ mv *.sh program/sh/
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ tree
.
├── audio
│   ├── acc
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program
│   ├── go
│   │   └── program.go
│   ├── py
│   │   └── program.py
│   ├── rb
```

```
carlosjcatotavalladares@cis106vm:~/challenge-Lab6$ tree
.
├── audio
│   ├── acc
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program
│   ├── go
│   │   └── program.go
│   ├── py
│   │   └── program.py
│   ├── rb
│   │   └── program.rb
│   └── sh
│       └── program.sh
```