

# Lab 6

## Question 1

```
1:jeremyurena@cis106vm: ~
jeremyurena@cis106vm:~$ ls lab6/*.log
lab6/88_Application-log.log lab6/dvluatex.log lab6/luahbtex.log lab6/ubuntu-advantage.log
lab6/alternatives.log lab6/etex.log lab6/luatex.log lab6/updmap.log
lab6/apache01-error.log lab6/fontconfig.log lab6/mf.log lab6/vboxadd-setup.log
lab6/apache22.log lab6/gpu-manager.log lab6/pdfetex.log lab6/vboxpostinstall.log
lab6/bootstrap.log lab6/history.log lab6/pdfetex.log lab6/Xorg.0.log
lab6/dpkg.log lab6/http404.log lab6/tex.log lab6/Xorg.1.log
jeremyurena@cis106vm:~$ mkdir lab6/log-files
jeremyurena@cis106vm:~$ mv lab6/*.log lab6/log-files/
jeremyurena@cis106vm:~$ ls /etc/*.conf
/etc/adduser.conf /etc/e2scrub.conf /etc/kernel-img.conf /etc/nftables.conf /etc/sensors3.conf
/etc/apg.conf /etc/fprind.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
jeremyurena@cis106vm:~$ ls -lSgH --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
jeremyurena@cis106vm:~$
```

## Question 2

```
1/1 v + T T Tillix: jeremyurena@cis106vm: ~/lab6
1:jeremyurena@cis106vm: ~/lab6
jeremyurena@cis106vm:~/lab6$ ls .??*
.auto-changelog .gitconfig .last_revision .tonic_example.js
.babelrc .gitkeep .lessshst .travis.yml
.bash_aliases .gitmodules .lint .uuid
.bash_history .gsd-keyboard.settings-ported .metadata-v2 .uuid.trashinfo
.bash_logout .hidden .meta.isrunning .vboxclient-clipboard-tty2-control.pid
.bashrc .hidden1.doc .migrated .vboxclient-clipboard-tty2-service.pid
.changed .hidden1.py .min-wd .vboxclient-draganddrop-tty2-control.pid
.cis106.png .hidden2.doc .npmignore .vboxclient-draganddrop-tty2-service.pid
.coveralls.yml .hidden2.py .nycrc .vboxclient-hostversion-tty2-control.pid
.dir-locals.el .hiddenFile.txt .parentlock .vboxclient-seamless-tty2-control.pid
.editorconfig .htaccess .pinerc .vboxclient-seamless-tty2-service.pid
.eslintignore .istanbul.yml .profile .vboxclient-vmvga-session-tty2-control.pid
.eslintrc .jscs.json .sudo_as_admin_successful .vboxclient-vmvga-session-tty2-service.pid
.eslintrc.js .jscsrc .tern-project .vsixmanifest
.eslintrc.json .jshintignore .testignore
.eslintrc.yml .jshintrc .textFiles
.gitattributes .keep .tm_properties
jeremyurena@cis106vm:~/lab6$ ls -A *.??
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
jeremyurena@cis106vm:~/lab6$ ls l?st*
last.txt list.txt lost.txt
jeremyurena@cis106vm:~/lab6$ *ls ??.*
Expenses.xls: command not found
jeremyurena@cis106vm:~/lab6$ ls *??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
jeremyurena@cis106vm:~/lab6$
```

## Question 3

```
1/1 + [T] [M] Tilix: jeremyurena@cis106vm: ~/lab6
1: jeremyurena@cis106vm: ~/lab6
jeremyurena@cis106vm:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
jeremyurena@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
jeremyurena@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
jeremyurena@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
jeremyurena@cis106vm:~/lab6$
```

## Question 4

```

1/1  +  Tili: jeremyurena@cis106vm: ~/lab6
1:jeremyurena@cis106vm: ~/lab6
jeremyurena@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
jeremyurena@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
jeremyurena@cis106vm:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
jeremyurena@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small
6 directories, 0 files
jeremyurena@cis106vm:~/lab6$ mkdir docs/books/{history,math}/{fall,spring}
mkdir: cannot create directory 'docs/books/history/fall': No such file or directory
mkdir: cannot create directory 'docs/books/history/spring': No such file or directory
mkdir: cannot create directory 'docs/books/math/fall': No such file or directory
mkdir: cannot create directory 'docs/books/math/spring': No such file or directory
jeremyurena@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
jeremyurena@cis106vm:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
jeremyurena@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
jeremyurena@cis106vm:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
jeremyurena@cis106vm:~/lab6$

```

```

1/1  +  Tili: jeremyurena@cis106vm: /usr/share
1:jeremyurena@cis106vm: /usr/share
jeremyurena@cis106vm:~/lab6$ mkdir ~/lab6-q5
jeremyurena@cis106vm:~/lab6$ cd /
jeremyurena@cis106vm:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
jeremyurena@cis106vm:/$ cd /usr/share/
jeremyurena@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
jeremyurena@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,movie.txt,disney.doc}
jeremyurena@cis106vm:/usr/share$ rm -r ~/lab6-q5/{program.py,people.csv,movies/{disney.doc, movie.txt}}
rm: cannot remove '/home/jeremyurena/lab6-q5/{program.py,people.csv,movies/{disney.doc,': No such file or directory
rm: cannot remove 'movie.txt}': No such file or directory
jeremyurena@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,movies/{disney.doc, movie.txt}}
rm: cannot remove '/home/jeremyurena/lab6-q5/{program.py,people.csv,movies/{disney.doc,': No such file or directory
rm: cannot remove 'movie.txt}': No such file or directory
jeremyurena@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,movies/{disney.doc,movie.txt}}
jeremyurena@cis106vm:/usr/share$ tree ~/lab6-q5/
/home/jeremyurena/lab6-q5/
├── data.xls
└── movies
    └── movies.lst
1 directory, 2 files
jeremyurena@cis106vm:/usr/share$

```

## Question 5 Challenge

```

1:jeremyurena@cis106vm: ~
Dload Upload Total Spent Left Speed
100 165 100 165 0 0 1482 0 --:--:-- --:--:-- --:--:-- 1486
jeremyurena@cis106vm:~$ mkdir challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}}
mkdir: cannot create directory 'challenge-Lab6/audio/aac': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/audio/mp3': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/docs/docx': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/docs/pdf': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/docs/xls': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/images/jpg': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/images/png': No such file or directory
jeremyurena@cis106vm:~$ mkdir challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}} -p
jeremyurena@cis106vm:~$ mv *.aac challenge-Lab6/audio/aac/
mv: cannot stat '*.aac': No such file or directory
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.aac challenge-Lab6/audio/aac/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.docx challenge-Lab6/docs/docx/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs
docs/ docs1.pdf docs2.pdf
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs
docs/ docs1.pdf docs2.pdf
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.xls challenge-Lab6/docs/xls/
mv: cannot stat 'challenge-Lab6/*.xls': No such file or directory
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.jpg challenge-Lab6/image/jpg/
mv: target 'challenge-Lab6/image/jpg/' is not a directory
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.jpg challenge-Lab6/images/jpg/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/
jeremyurena@cis106vm:~$ 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
├── image1.gif
├── image2.gif
├── images
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program.go
├── program.py
├── program.rb
└── program.sh
10 directories, 18 files
jeremyurena@cis106vm:~$

```