

Lab 6

Question 1

```
jrodriguez4@cis106-VirtualBox:~/lab6$ cd ../
jrodriguez4@cis106-VirtualBox:~$ ls lab6/*.log
lab6/88_Application-log.log   lab6/kern.log
lab6/alternatives.log        lab6/luahbtex.log
lab6/apache01-error.log      lab6/luatex.log
lab6/apache22.log            lab6/mf.log
lab6/auth.log                 lab6/pdfetex.log
lab6/bootstrap.log           lab6/pdftex.log
lab6/casper.log              lab6/term.log
lab6/dpkg.log                 lab6/tex.log
lab6/dvluatex.log            lab6/ubuntu-advantage.log
lab6/etex.log                 lab6/unattended-upgrades-dpkg.log
lab6/fontconfig.log           lab6/unattended-upgrades.log
lab6/gpu-manager.log          lab6/unattended-upgrades-shutdown.log
lab6/history.log              lab6/updmap.log
lab6/http404.log              lab6/vboxadd-setup.log
jrodriguez4@cis106-VirtualBox:~$ mkdir lab6/logfiles
jrodriguez4@cis106-VirtualBox:~$ mv lab6/*.log lab6/logfiles/
```

```
jrodriguez4@cis106-VirtualBox:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/host.conf         /etc/pnm2ppa.conf
/etc/apg.conf           /etc/inxi.conf         /etc/resolv.conf
/etc/appstream.conf    /etc/kernel-img.conf   /etc/rsyslog.conf
/etc/brltyty.conf       /etc/kernelloops.conf  /etc/rygel.conf
/etc/ca-certificates.conf /etc/ld.so.conf         /etc/sensors3.conf
/etc/debconf.conf       /etc/libao.conf         /etc/sudo.conf
/etc/deluser.conf       /etc/libaudit.conf      /etc/sudo_logsrvd.conf
/etc/e2scrub.conf       /etc/logrotate.conf     /etc/sysctl.conf
/etc/fprintd.conf       /etc/mke2fs.conf        /etc/ucf.conf
/etc/fuse.conf           /etc/nftables.conf      /etc/usb_modeswitch.conf
/etc/gai.conf            /etc/nsswitch.conf      /etc/xattr.conf
/etc/hdparm.conf         /etc/pam.conf
jrodriguez4@cis106-VirtualBox:~$
```

Question 2

```
jrodriguez4@cis106-VirtualBox:~/lab6$ ls -??*
.auto-changelog  .coveralls.yml  .gitattributes  .hidden1.py     .jshintignore    .min-wd         .testignore     .vboxclient-draganddrop-tty2-control.pid
.babelrc         .dir-locals.el  .gitconfig      .hidden2.doc    .jshintrc       .npmignore      .textfiles      .vboxclient-draganddrop-tty2-service.pid
.bash_aliases    .editorconfig  .gitignore       .hidden2.py     .keep           .nycrc          .tm_properties   .vboxclient-hostversion-tty2-control.pid
.bash_history     .eslintignore   .gitkeep         .hiddenfile.txt .last_revision  .padding        .tonic_example.js .vboxclient-seamless-tty2-control.pid
.bash_logout      .eslintrc       .gitmodules      .htaccess       .lessshst       .parentlock     .travis.yml     .vboxclient-seamless-tty2-service.pid
.bashrc           .eslintrc.js    .gsd-keyboard.settings-ported .istanbul.yml  .lint           .profile        .uuid           .vboxclient-vmsvga-session-tty2-control.pid
.changed          .eslintrc.json  .hidden          .jscs.json      .lint           .sudo_as_admin_successful .vboxclient-clipboard-tty2-control.pid .vboxclient-vmsvga-session-tty2-service.pid
.cis106.png       .eslintrc.yml   .hidden1.doc     .jscsrc         .metadata-v2    .tern-project   .vboxclient-clipboard-tty2-service.pid .vstxmanifest
jrodriguez4@cis106-VirtualBox:~/lab6$ ls
25Games.lst  apache03.err  Document.doc  Expenses.xls  file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh  last.txt  list.txt  logfiles  lost.txt  trip22-info.doc
jrodriguez4@cis106-VirtualBox:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
jrodriguez4@cis106-VirtualBox:~/lab6$ ls -l?st*
last.txt  list.txt  lost.txt
jrodriguez4@cis106-VirtualBox:~/lab6$ ls -??.*
ls: cannot access '??.*': No such file or directory
jrodriguez4@cis106-VirtualBox:~/lab6$ ls -A *.??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
jrodriguez4@cis106-VirtualBox:~/lab6$
```

Question 3

```
jrodriguez4@cis106-VirtualBox:~$ cd lab6/
jrodriguez4@cis106-VirtualBox:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
jrodriguez4@cis106-VirtualBox:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
jrodriguez4@cis106-VirtualBox:~/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
jrodriguez4@cis106-VirtualBox:~/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
jrodriguez4@cis106-VirtualBox:~/lab6$
```

Question 4

```
jrodriguez4@cis106-VirtualBox:~/lab6$ mkdir -p wallpapers/{cars}/{1080p,2k,4k}
jrodriguez4@cis106-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
├── {cars}
│   ├── 1080p
│   ├── 2k
│   └── 4k
└── 4 directories, 0 files
jrodriguez4@cis106-VirtualBox:~/lab6$ rm -r wallpapers/
jrodriguez4@cis106-VirtualBox:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
jrodriguez4@cis106-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└── 4 directories, 0 files
jrodriguez4@cis106-VirtualBox:~/lab6$
```

```
jrodriguez4@cis106-VirtualBox:~/lab6$ mkdir assests/{imgs,video}/{large,small}
mkdir: cannot create directory 'assests/imgs/large': No such file or directory
mkdir: cannot create directory 'assests/imgs/small': No such file or directory
mkdir: cannot create directory 'assests/video/large': No such file or directory
mkdir: cannot create directory 'assests/video/small': No such file or directory
jrodriguez4@cis106-VirtualBox:~/lab6$ mkdir -p assests/{imgs,video}/{large,small}
jrodriguez4@cis106-VirtualBox:~/lab6$ tree assests/
assests/
├── imgs
│   ├── large
│   └── small
├── video
│   ├── large
│   └── small
└── 6 directories, 0 files
jrodriguez4@cis106-VirtualBox:~/lab6$
```

```
jrodriguez4@cis106-VirtualBox:~/lab6$ mkdir -p books/{history,math}/{fall,spring}
jrodriguez4@cis106-VirtualBox:~/lab6$ touch books/{history,math}/{fall,spring}/book.pdf
touch: cannot touch 'books/historyfall/book.pdf': No such file or directory
touch: cannot touch 'books/historyspring/book.pdf': No such file or directory
touch: cannot touch 'books/mathfall/book.pdf': No such file or directory
touch: cannot touch 'books/mathspring/book.pdf': No such file or directory
jrodriguez4@cis106-VirtualBox:~/lab6$ tree books/
books/
├── history
│   ├── fall
│   └── spring
└── math
    ├── fall
    └── spring

6 directories, 0 files
jrodriguez4@cis106-VirtualBox:~/lab6$ touch books/{history,math}/{fall,spring}/book.pdf
jrodriguez4@cis106-VirtualBox:~/lab6$ tree books/
books/
├── history
│   ├── fall
│   │   └── book.pdf
│   └── spring
│       └── book.pdf
└── math
    ├── fall
    │   └── book.pdf
    └── spring
        └── book.pdf

6 directories, 4 files
jrodriguez4@cis106-VirtualBox:~/lab6$ `
Display all 2699 possibilities? (y or n)
```

```
jrodriguez4@cis106-VirtualBox:~$ mkdir ~/lab6-q5
jrodriguez4@cis106-VirtualBox:~$ cd /
jrodriguez4@cis106-VirtualBox:/$ touch ~/lab
lab4files/  lab4files.zip  lab5-audio/  lab5-docs/  lab5-imgs/  lab5-video/  lab6/  lab6-q5/
jrodriguez4@cis106-VirtualBox:/$ touch ~/lab6-q5/{program.py,people.csv,dates.xls}
jrodriguez4@cis106-VirtualBox:/$ cd /usr/share/
jrodriguez4@cis106-VirtualBox:/usr/share$ mkdir ~/lab6-q5/movies
jrodriguez4@cis106-VirtualBox:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,movie.txt,disney.doc}
jrodriguez4@cis106-VirtualBox:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}}
jrodriguez4@cis106-VirtualBox:/usr/share$ tree ~/lab6-q5/
/home/jrodriguez4/lab6-q5/
├── dates.xls
└── movies
    └── movies.lst

1 directory, 2 files
jrodriguez4@cis106-VirtualBox:/usr/share$
```

Question 5 Challenge

```
jrodriguez4@cis106-VirtualBox:~$ mkdir -p challenge-Lab6/{audio,docs,images}
jrodriguez4@cis106-VirtualBox:~$ mkdir -p challenge-Lab6/audio/{aac,mp3} challenge-Lab6/docs/{docx,pdf,xls} challenge-Lab6/images/{jpg,png,gifs}
jrodriguez4@cis106-VirtualBox:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   └── mp3
├── docs
│   ├── docx
│   ├── pdf
│   └── xls
├── docs1.docx
├── docs1.pdf
├── docs2.docx
├── docs2.pdf
├── image1.gif
├── image1.jpg
├── image1.png
├── image2.gif
├── image2.jpg
├── image2.png
├── images
│   ├── gifs
│   ├── jpg
│   └── png
├── program.go
├── program.py
├── program.rb
├── program.sh
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3
```

```
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.jpg* challenge-Lab6/images/jpg/
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.png* challenge-Lab6/images/png/
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.gif* challenge-Lab6/images/gifs/
jrodriguez4@cis106-VirtualBox:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   └── mp3
├── docs
│   ├── docx
│   ├── pdf
│   └── xls
├── docs1.docx
├── docs1.pdf
├── docs2.docx
├── docs2.pdf
├── images
│   ├── gifs
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program.go
├── program.py
├── program.rb
├── program.sh
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3

11 directories, 18 files
```

```
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.docx* challenge-Lab6/docs/docx/
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.pdf* challenge-Lab6/docs/pdf/
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.?? challenge-Lab6/docs/xls/
jrodriguez4@cis106-VirtualBox:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   └── mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
│       ├── program.go
│       ├── program.py
│       ├── program.rb
│       └── program.sh
├── images
│   ├── gifs
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3

11 directories, 18 files
```

```
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.mp3* challenge-Lab6/audio/mp3/
jrodriguez4@cis106-VirtualBox:~$ mv challenge-Lab6/*.aac* challenge-Lab6/audio/aac/
jrodriguez4@cis106-VirtualBox:~$ 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
│       ├── program.go
│       ├── program.py
│       ├── program.rb
│       └── program.sh
├── images
│   ├── gifs
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3

11 directories, 18 files
jrodriguez4@cis106-VirtualBox:~$
```