

lab 6

Question 1

```
mrgutierrez@cis106vm: ~
mrgutierrez@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/dvilatex.log          lab6/pdftex.log
lab6/etex.log              lab6/term.log
mrgutierrez@cis106vm:~$ mkdir lab6/log-files
mrgutierrez@cis106vm:~$ mv lab6/*.log lab6/log-files/
mrgutierrez@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
mrgutierrez@cis106vm:~$ ls -lSgH --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
mrgutierrez@cis106vm:~$
```

Question 2

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

Question 3

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

Question 4

```
mrgutierrez@cis106vm: ~/lab6
mrgutierrez@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
mrgutierrez@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
mrgutierrez@cis106vm:~/lab6$
```

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

```
mrgutierrez@cis106vm: ~/lab6
mrgutierrez@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
mrgutierrez@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
mrgutierrez@cis106vm:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
mrgutierrez@cis106vm:~/lab6$
```

```
mrgutierrez@cis106vm: /usr/share
mrgutierrez@cis106vm:~/lab6$ mkdir ~/lab6-q5
mrgutierrez@cis106vm:~/lab6$ cd /
mrgutierrez@cis106vm:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
mrgutierrez@cis106vm:/$ cd /usr/share/
mrgutierrez@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
mrgutierrez@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
mrgutierrez@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
mrgutierrez@cis106vm:/usr/share$ tree ~/lab6-q5/
/home/mrgutierrez/lab6-q5/
├── data.xls
└── movies
    └── movies.lst
1 directory, 2 files
mrgutierrez@cis106vm:/usr/share$
```

Question 5 challenge

```
mrgutierrez@cis106vm: ~/challenge-Lab6
mrgutierrez@cis106vm:~/challenge-Lab6$ curl https://cis106.com/assets/lab6cq.sh | bash
% Total % Received % Xferd Average Speed Time Time Current
Dload Upload Total Spent Left Speed
100 165 100 165 0 0 817 0 --:--:-- --:--:-- --:--:-- 816
mrgutierrez@cis106vm:~/challenge-Lab6$ cd challenge-Lab6/
mrgutierrez@cis106vm:~/challenge-Lab6$ mkdir -p Audio/{aac,mp3} docs/{docx,pdf,xls} images/{jpg,png}
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.docx docs/docx
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.aac Audio/aac
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.mp3 Audio/mp3
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.pdf docs/pdf
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.jpg images/jpg
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.png images/png
mrgutierrez@cis106vm:~/challenge-Lab6$ tree
tree
.
├── 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
mrgutierrez@cis106vm:~/challenge-Lab6$
mrgutierrez@cis106vm:~/challenge-Lab6$ mkdir -p Audio/{aac,mp3} docs/{docx,pdf,xls} images/{jpg,png}
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.docx docs/docx
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.aac Audio/aac
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.mp3 Audio/mp3
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.pdf docs/pdf
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.jpg images/jpg
mrgutierrez@cis106vm:~/challenge-Lab6$ mv *.png images/png
mrgutierrez@cis106vm:~/challenge-Lab6$ tree
tree
.
├── 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
mrgutierrez@cis106vm:~/challenge-Lab6$
```