```
student@Cis106vm:~$ ls /etc/*.conf
                                                  /etc/pam.conf
/etc/adduser.conf
                           /etc/host.conf
/etc/apg.conf
                           /etc/inxi.conf
                                                  /etc/pnm2ppa.conf
/etc/appstream.conf
                           /etc/kernel-img.conf
                                                  /etc/popularity-contest.conf
/etc/brltty.conf
                           /etc/kerneloops.conf
                           /etc/ld.so.conf
/etc/ca-certificates.conf
                                                  /etc/rsyslog.conf
                           /etc/libao.conf
/etc/debconf.conf
                                                  /etc/rygel.conf
/etc/deluser.conf
                           /etc/libaudit.conf
                                                  /etc/sensors3.conf
                           /etc/logrotate.conf
                                                  /etc/sysctl.conf
/etc/e2scrub.conf
/etc/fprintd.conf
                           /etc/ltrace.conf
                                                  /etc/ucf.conf
/etc/fuse.conf
                           /etc/mke2fs.conf
                                                  /etc/usb_modeswitch.conf
/etc/gai.conf
                           /etc/mtools.conf
                                                  /etc/xattr.conf
/etc/hdparm.conf
                           /etc/nsswitch.conf
student@Cis106vm:~$ ls -lgGhs --time-style=+%D /etc/h*.conf /etc/p*.conf
8.0K -rw-r--r-- 1 5.0K 08/21/19 /etc/hdparm.conf
4.0K -rw-r--r-- 1 92 12/05/19 /etc/host.conf
4.0K -rw-r--r-- 1 552 12/17/19 /etc/pam.conf
8.0K -rw-r--r-- 1 7.5K 08/19/21 /etc/pnm2ppa.conf
4.0K -rw-rw-r-- 1 350 02/21/22 /etc/popularity-contest.conf
```

```
student@Cis106vm:~$ ls /usr/share/themes/*/*.theme -R
/usr/share/themes/Adwaita-dark/index.theme
/usr/share/themes/Adwaita/index.theme
/usr/share/themes/HighContrast/index.theme
/usr/share/themes/Yaru-dark/index.theme
/usr/share/themes/Yaru/index.theme
/usr/share/themes/Yaru-light/index.theme
student@Cis106vm:~$ ls /home/student/lab6/*.log
/home/student/lab6/88_Application-log.log
/home/student/lab6/alternatives.log
/home/student/lab6/apache01-error.log
/home/student/lab6/apache22.log
/home/student/lab6/auth.log
/home/student/lab6/bootstrap.log
/home/student/lab6/dpkg.log
/home/student/lab6/fontconfig.log
/home/student/lab6/gpu-manager.log
/home/student/lab6/history.log
/home/student/lab6/http404.log
/home/student/lab6/kern.log
/home/student/lab6/make.log
/home/student/lab6/term.log
/home/student/lab6/unattended-upgrades-dpkg.log
/home/student/lab6/unattended-upgrades.log
/home/student/lab6/unattended-upgrades-shutdown.log
student@Cis106vm:~$ mkdir lab6/log-files
student@Cis106vm:~$ mv lab6/*.log lab6/log-files/
student@Cis106vm:~$ ls lab6/log-files/
88 Application-log.log dpkg.log
                                         make.log
                        fontconfig.log
alternatives.log
                                         term.log
apache01-error.log
                        gpu-manager.log
                                         unattended-upgrades-dpkg.log
apache22.log
                        history.log
                                         unattended-upgrades.log
auth.log
                        http404.log
                                         unattended-upgrades-shutdown.log
bootstrap.log
                        kern.log
student@Cis106vm:~$
```

```
student@Cis106vm:~$ ls -A lab6/.??*
                             lab6/.jscsrc
lab6/.appveyor.yml
                             lab6/.jshintignore
lab6/.auto-changelog
lab6/.bash_history
                             lab6/.jshintrc
lab6/.bash_logout
                             lab6/.keep
                             lab6/.last_revision
lab6/.bashrc
lab6/.blocks-log
                             lab6/.lesshst
lab6/.blocks-progress
                             lab6/.metadata-v2
lab6/.changed
                             lab6/.meta.isrunning
                             lab6/.min-wd
lab6/.cis106.png.trashinfo
                             lab6/.npmignore
lab6/.coveralls.yml
                             lab6/.nycrc
lab6/.dir-locals.el
                             lab6/.obsolete
lab6/.editorconfig
                             lab6/.padding
lab6/.envrc
                             lab6/.parentlock
lab6/.eslintignore
                             lab6/.prettierignore
lab6/.eslintrc
                             lab6/.prettierrc.yaml
lab6/.eslintrc.js
                             lab6/.profile
lab6/.eslintrc.json
                             lab6/.startup-incomplete
lab6/.eslintrc.yml
                             lab6/.sudo_as_admin_successful
lab6/.gitattributes
                             lab6/.tern-project
                             lab6/.tm_properties
lab6/.gitconfig
lab6/.gitignore
                             lab6/.tonic_example.js
lab6/.gitkeep
                             lab6/.travis.yml
lab6/.gitmodules
                             lab6/.vboxclient-clipboard.pid
lab6/.hidden
                             lab6/.vboxclient-display-svga-x11.pid
lab6/.htaccess
                             lab6/.vboxclient-draganddrop.pid
lab6/.istanbul.yml
                             lab6/.vboxclient-seamless.pid
lab6/.jscs.json
                             lab6/.vsixmanifest
student@Cis106vm:~$ ls -A lab6/*.??
lab6/file_00.sh lab6/file_02.sh lab6/file_04.sh
lab6/file_01.sh lab<u>6</u>/file_03.sh lab6/file_05.sh
student@Cis106vm:~$||
```

```
student@Cis106vm:~$ ls lab6/[A-Z]*
lab6/Document.doc lab6/Expenses.xls
student@Cis106vm:~$ ls lab6/[A-Z0-9]*
lab6/25Games.lst lab6/Document.doc lab6/Expenses.xls
student@Cis106vm:~ ls lab6/[0-9]*
lab6/25Games.lst
student@Cis106vm:~$ ls lab6/[a-z0-9]*
lab6/25Games.lst
                  lab6/file_01.sh lab6/file_04.sh lab6/list.txt
lab6/apache03.err lab6/file_02.sh lab6/file_05.sh lab6/lost.txt
lab6/file_00.sh
                  lab6/file_03.sh lab6/last.txt
                                                     lab6/trip22-info.doc
lab6/log-files:
88 Application-log.log
                       dpkg.log
                                         make.log
                        fontconfig.log
                                         term.log
alternatives.log
                       gpu-manager.log unattended-upgrades-dpkg.log
apache01-error.log
apache22.log
                       history.log
                                         unattended-upgrades.log
auth.log
                       http404.log
                                         unattended-upgrades-shutdown.log
bootstrap.log
                       kern.log
student@Cis106vm:~$
```

```
student@Cis106vm:~$ cd lab6/
student@Cis106vm:~/lab6$ mkdir -p wallpapers/cars{1080p,2k,4k}
student@Cis106vm:~/lab6$ tree wallpapers/
wallpapers/
— cars1080p
— cars2k
— cars4k
3 directories, 0 files
student@Cis106vm:~/lab6$ []
```

```
student@Cis106vm:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
student@Cis106vm:~/lab6$ tree assets/
assets/
    imgs
    large
    small
    video
    large
    small
6 directories, 0 files
student@Cis106vm:~/lab6$ ■
```

```
studentgCts106/m:~/lab6$ mkdir -p research/{books/{math,science}}/{epub,pdf},magazines/{computers,running,videogames}/{fanmade,official}}/
studentgCts106/m:~/lab6$ free research/
research/
books

math
epub
pdf
science
epub
pdf
magazines

computers
fanmade
official
running
fanmade
official
videogames
fanmade
official
fanmade
official

7 directories, 0 files
studentgCts106/m:~/lab6$
```

Challenge Question

```
cudent@Cts106vm:~/challenge-Lab6$ mkdir -p audio/{aac,mp3}
ctudent@Cts106vm:~/challenge-Lab6$ mkdir -p docs/{docx,pdf,xls}
tudent@Cts106vm:~/challenge-Lab6$ mkdir -p images/{jpg.png}
tudent@Cts106vm:~/challenge-Lab6$ tree
         docs1.pdf
        docs2.docx
         docs2.pdf
        docs3.doc
docs3.docx
        image3.jpg
image3.png
images
____ {jpg.png}
programs.go
        programs.py
         programs.rb
        programs.sh
student@Cis106vm:~/challenge-Lab6$ rm images
rm: cannot remove 'images': Is a directory
student@Cis106vm:~/challenge-Lab6$ rm -r images
student@Cis106vm:~/challenge-Lab6$ mkdir -p images/{jpg,png}
student@Cis106vm:~/challenge-Lab6$ tree
        docs1.docx
docs1.pdf
```

```
- docs3.doc
docs3.docx
docs3.pdf
image1.gif
image1.jpg
image2.jpg
image2.jpg
image2.jpg
image3.gif
image3.jpg
image3.png
images
programs.pg
programs.go
programs.rb
programs.sh
song1.aac
 - programs.s
- song1.aac
- song1.mp3
- song2.aac
- song2.mp3
- song3.aac
- song3.mp3
directories, 28 files
sudent@Cis106vm:~/challenge-Lab6$ mv *.aac audio/aac/
sudent@Cis106vm:~/challenge-Lab6$ mv *.mp3 audio/mp3/
sudent@Cis106vm:~/challenge-Lab6$ tree
      - docs
- docx
- pdf
- xls
- docs1.doc
- docs1.docx
- docs1.docx
- docs2.docx
- docs3.docx
- docs3.docx
- docs3.docx
- docs3.docx
- docs3.gdf
- image1.gif
- image2.gif
- image2.jpg
- image2.jpg
- image3.gif
- image3.gif
- image3.jpg
```

```
images
____jpg
___png
       programs.go
- programs.py
- programs.rb
- programs.sh
10 directories, 28 files
student@Cis106vm:~/challenge-Lab6$ mv *.doc docs/docx/
student@Cis106vm:~/challenge-Lab6$ mv *.pdf docs/pdf/
student@Cis106vm:~/challenge-Lab6$ mv *.xls docs/xls/
nv: cannot stat '*.xls': No such file or directory
student@Cis106vm:~/challenge-Lab6$ mv *.jpg images/jpg/
student@Cis106vm:~/challenge-Lab6$ mv *.png images/png/
student@Cis106vm:~/challenge-Lab6$ tree
                         song1.mp3
song2.mp3
song3.mp3
                      docx
— docs1.doc
— docs2.doc
                           ___ docs3.doc
                       pdf
                         docs2.pdf
docs3.pdf
          docs1.docx
docs2.docx
        png image1.png image2.png image3.png
          programs.py
programs.rb
programs.sh
10 directories, 28 files
student@Cis106vm:~/challenge-Lab6$ mv *.docx docs/docx/
student@Cis106vm:~/challenge-Lab6$ tree
```

```
- docs1.docx
- docs2.doc
                   — docs2.docx
— docs3.doc
                   docs1.pdf
                  — docs1.pdf
— docs2.pdf
— docs3.pdf
    programs.go
   programs.py
programs.rb
    programs.sh
cudent@Cis106vm:~/challenge-Lab6$ mkdir images/gif
cudent@Cis106vm:~/challenge-Lab6$ mv *.gif image/gif/
c: target 'image/gif/' is not a directory
cudent@Cis106vm:~/challenge-Lab6$ mv *.gif images/gif/
cudent@Cis106vm:~/challenge-Lab6$ tree
                       docs1.docx
docs2.doc
                       docs1.pdf
               docs2.pdf
docs3.pdf
    programs.go
    programs.py
programs.rb
```

I did not see a place to put the gif files and I did not see and XLS files in the directory. So i made a gif folder inside of images and put them there.