

Question 1

```
cis106@cis106-standardpci440fxpiix1996:~$ ls /etc/*.conf
etc/akm.conf           /etc/fuse.conf        /etc/libva.conf       /etc/named.conf       /etc/pcurses.conf     /etc/sudo.conf
etc/atmsigd.conf       /etc/gai.conf         /etc/locale.conf      /etc/nfs.conf         /etc/reflector-simple.conf /etc/sudo_logsrvd.conf
etc/brltty.conf        /etc/healthd.conf     /etc/logrotate.conf   /etc/nfsmount.conf    /etc/reflector-simple-tool.conf /etc/ts.conf
etc/dnsmasq.conf       /etc/host.conf        /etc/makepkg.conf     /etc/nlfs_cleaner.conf /etc/request-key.conf  /etc/updatedb.conf
etc/e2scrub.conf       /etc/imapd.conf       /etc/man_db.conf      /etc/nscd.conf        /etc/resolv.conf      /etc/usb_modeswitch.conf
etc/eos-rankmirrors.conf /etc/krb5.conf        /etc/mdadm.conf       /etc/nsswitch.conf    /etc/resolvconf.conf  /etc/vconsole.conf
etc/eos-script-lib-yad.conf /etc/ld.so.conf      /etc/mke2fs.conf     /etc/ntp.conf         /etc/rsyncd.conf      /etc/whois.conf
etc/eos-sendlog.conf   /etc/libao.conf       /etc/mkinitcpio.conf  /etc/openswap.conf    /etc/sensors3.conf    /etc/xattr.conf
etc/eos-update-notifier.conf /etc/libaudit.conf  /etc/mttools.conf    /etc/pacman.conf      /etc/smartd.conf
```

```
cis106@cis106-standardpci440fxpiix1996:~$ ls /etc/*.conf
etc/akm.conf           /etc/fuse.conf        /etc/libva.conf       /etc/named.conf       /etc/pcurses.conf     /etc/sudo.conf
etc/atmsigd.conf       /etc/gai.conf         /etc/locale.conf      /etc/nfs.conf         /etc/reflector-simple.conf /etc/sudo_logsrvd.conf
etc/brltty.conf        /etc/healthd.conf     /etc/logrotate.conf   /etc/nfsmount.conf    /etc/reflector-simple-tool.conf /etc/ts.conf
etc/dnsmasq.conf       /etc/host.conf        /etc/makepkg.conf     /etc/nlfs_cleaner.conf /etc/request-key.conf  /etc/updatedb.conf
etc/e2scrub.conf       /etc/imapd.conf       /etc/man_db.conf      /etc/nscd.conf        /etc/resolv.conf      /etc/usb_modeswitch.conf
etc/eos-rankmirrors.conf /etc/krb5.conf        /etc/mdadm.conf       /etc/nsswitch.conf    /etc/resolvconf.conf  /etc/vconsole.conf
etc/eos-script-lib-yad.conf /etc/ld.so.conf      /etc/mke2fs.conf     /etc/ntp.conf         /etc/rsyncd.conf      /etc/whois.conf
etc/eos-sendlog.conf   /etc/libao.conf       /etc/mkinitcpio.conf  /etc/openswap.conf    /etc/sensors3.conf    /etc/xattr.conf
etc/eos-update-notifier.conf /etc/libaudit.conf  /etc/mttools.conf    /etc/pacman.conf      /etc/smartd.conf
cis106@cis106-standardpci440fxpiix1996:~$ ls -lgHs --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 3.0K 12/16/21 /etc/pacman.conf
-rw-r--r-- 1 809 12/30/21 /etc/pcurses.conf
-rw-r--r-- 1 450 02/18/21 /etc/healthd.conf
-rw-r--r-- 1 73 12/06/21 /etc/host.conf
cis106@cis106-standardpci440fxpiix1996:~$
```

```
cis106@cis106-standardpci440fxpiix1996:~$ mkdir lab6/log-files
[cis106@cis106-standardpci440fxpiix1996 ~]$ mv lab6/*.log lab6/log-files/
[cis106@cis106-standardpci440fxpiix1996 ~]$
```

```

cis106@cis106-standardpci440fxpiix1996:~
[ cis106@cis106-standardpci440fxpiix1996 ~]$ ls -aR /usr/share/themes/ h*.theme
ls: cannot access 'h*.theme': No such file or directory
/usr/share/themes/:
.
..
Adwaita
Adwaita-dark
Arc
Arc-Dark
Arc-Darker
Arc-Lighter
Default
Emacs
Graphite
Graphite-blue
Graphite-blue-compact
Graphite-blue-compact-hdpi
Graphite-blue-compact-xhdpi
Graphite-blue-dark
Graphite-blue-dark-compact
Graphite-blue-dark-compact-hdpi
Graphite-blue-dark-compact-xhdpi
Graphite-blue-dark-hdpi
Graphite-blue-light
Graphite-blue-light-compact
Graphite-blue-light-compact-hdpi
Graphite-blue-light-compact-xhdpi
Graphite-blue-light-hdpi
Graphite-blue-light-xhdpi
Graphite-blue-xhdpi
Graphite-compact
Graphite-compact-hdpi
Graphite-compact-xhdpi
Graphite-dark
Graphite-green-dark-compact-hdpi
Graphite-green-dark-compact-xhdpi
Graphite-green-dark-hdpi
Graphite-green-dark-xhdpi
Graphite-green-hdpi
Graphite-green-light
Graphite-green-light-compact
Graphite-green-light-compact-hdpi
Graphite-green-light-compact-xhdpi
Graphite-green-light-hdpi
Graphite-green-light-xhdpi
Graphite-green-xhdpi
Graphite-hdpi
Graphite-light
Graphite-light-compact
Graphite-light-compact-hdpi
Graphite-light-compact-xhdpi
Graphite-light-hdpi
Graphite-light-xhdpi
Graphite-orange
Graphite-orange-compact
Graphite-orange-compact-hdpi
Graphite-orange-compact-xhdpi
Graphite-orange-dark
Graphite-orange-dark-compact
Graphite-orange-dark-compact-hdpi
Graphite-orange-dark-compact-xhdpi
Graphite-orange-dark-hdpi
Graphite-orange-dark-xhdpi
Graphite-orange-hdpi
Graphite-orange-light
Graphite-orange-light-compact
Graphite-orange-light-compact-hdpi
Graphite-pink-dark-compact-xhdpi
Graphite-pink-dark-hdpi
Graphite-pink-dark-xhdpi
Graphite-pink-hdpi
Graphite-pink-light
Graphite-pink-light-compact
Graphite-pink-light-compact-hdpi
Graphite-pink-light-compact-xhdpi
Graphite-pink-light-hdpi
Graphite-pink-light-xhdpi
Graphite-pink-xhdpi
Graphite-purple
Graphite-purple-compact
Graphite-purple-compact-hdpi
Graphite-purple-compact-xhdpi
Graphite-purple-dark
Graphite-purple-dark-compact
Graphite-purple-dark-compact-hdpi
Graphite-purple-dark-compact-xhdpi
Graphite-purple-dark-hdpi
Graphite-purple-dark-xhdpi
Graphite-purple-hdpi
Graphite-purple-light
Graphite-purple-light-compact
Graphite-purple-light-compact-hdpi
Graphite-purple-light-compact-xhdpi
Graphite-purple-light-hdpi
Graphite-purple-light-xhdpi
Graphite-red
Graphite-red-compact
Graphite-red-compact-hdpi
Graphite-red-compact-xhdpi
Graphite-red-light-hdpi
Graphite-red-light-xhdpi
Graphite-red-xhdpi
Graphite-teal
Graphite-teal-compact
Graphite-teal-compact-hdpi
Graphite-teal-compact-xhdpi
Graphite-teal-dark
Graphite-teal-dark-compact
Graphite-teal-dark-compact-hdpi
Graphite-teal-dark-compact-xhdpi
Graphite-teal-dark-hdpi
Graphite-teal-dark-xhdpi
Graphite-teal-hdpi
Graphite-teal-light
Graphite-teal-light-compact
Graphite-teal-light-compact-hdpi
Graphite-teal-light-compact-xhdpi
Graphite-teal-light-hdpi
Graphite-teal-light-xhdpi
Graphite-teal-xhdpi
Graphite-yellow
Graphite-yellow-compact
Graphite-yellow-compact-hdpi
Graphite-yellow-compact-xhdpi
Graphite-yellow-dark
Graphite-yellow-dark-compact
Graphite-yellow-dark-compact-hdpi
Graphite-yellow-dark-compact-xhdpi
Graphite-yellow-dark-hdpi
Graphite-yellow-dark-xhdpi
Graphite-yellow-hdpi

```

```

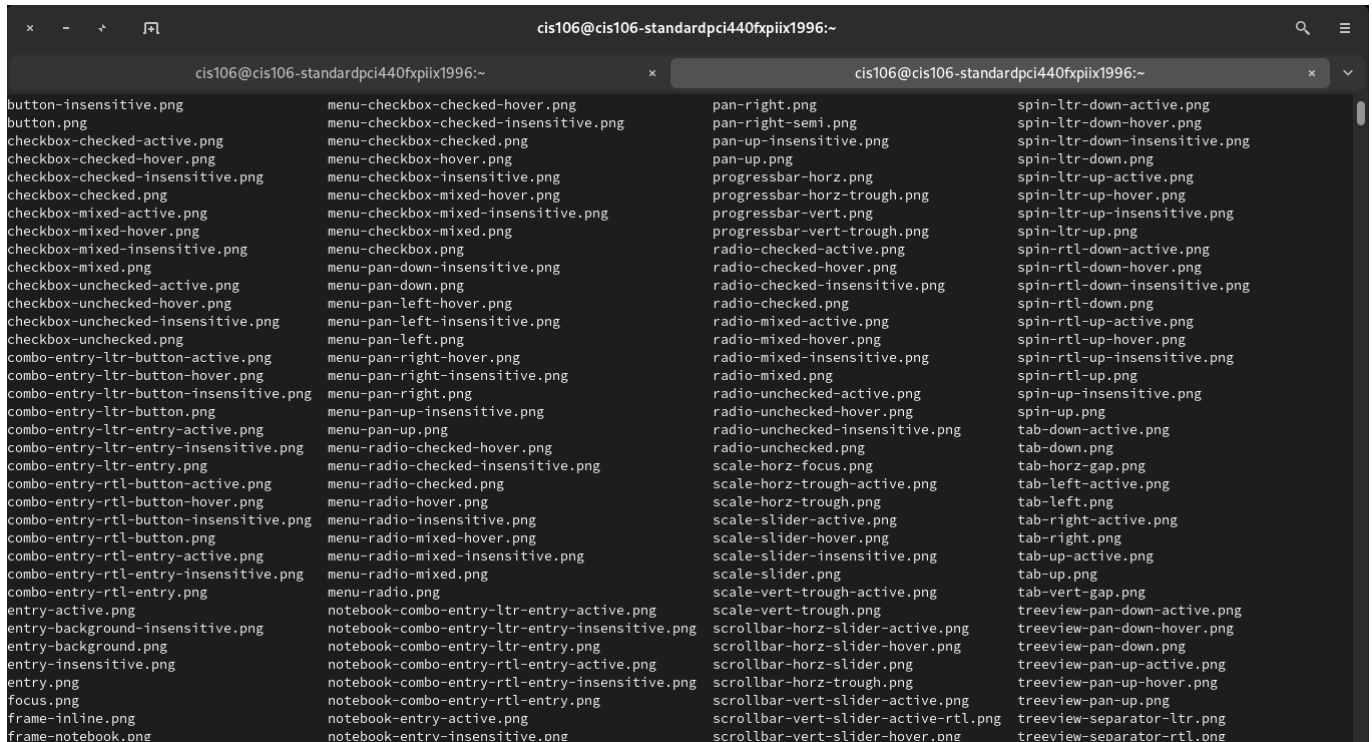
cis106@cis106-standardpci440fxpiix1996:~
Graphite-dark-compact
Graphite-dark-compact-hdpi
Graphite-dark-compact-xhdpi
Graphite-dark-hdpi
Graphite-dark-xhdpi
Graphite-green
Graphite-green-compact
Graphite-green-compact-hdpi
Graphite-green-compact-xhdpi
Graphite-green-dark
Graphite-green-dark-compact
Graphite-orange-light-compact-xhdpi
Graphite-orange-light-hdpi
Graphite-orange-light-xhdpi
Graphite-orange-xhdpi
Graphite-pink
Graphite-pink-compact
Graphite-pink-compact-hdpi
Graphite-pink-compact-xhdpi
Graphite-pink-dark
Graphite-pink-dark-compact
Graphite-pink-dark-compact-hdpi
Graphite-red-dark
Graphite-red-dark-compact
Graphite-red-dark-compact-hdpi
Graphite-red-dark-compact-xhdpi
Graphite-red-dark-hdpi
Graphite-red-dark-xhdpi
Graphite-red-hdpi
Graphite-red-light
Graphite-red-light-compact
Graphite-red-light-compact-hdpi
Graphite-red-light-compact-xhdpi
Graphite-yellow-light
Graphite-yellow-light-compact
Graphite-yellow-light-compact-hdpi
Graphite-yellow-light-compact-xhdpi
Graphite-yellow-light-hdpi
Graphite-yellow-light-xhdpi
Graphite-yellow-xhdpi
HighContrast

/usr/share/themes/Adwaita:
. .. gtk-2.0 gtk-3.0 index.theme

/usr/share/themes/Adwaita/gtk-2.0:
. .. apps.rc assets gtkrc hacks.rc main.rc

/usr/share/themes/Adwaita/gtk-2.0/assets:
. handle.png
. handle-vert.png
border.png line.png
button-active.png menubar-item-active.png
button-hover.png menu-border.png
button-insensitive.png menu-checkbox-checked-hover.png
button.png menu-checkbox-checked-insensitive.png
checkbox-checked-active.png menu-checkbox-checked.png
checkbox-checked-hover.png menu-checkbox-checked-hdpi
checkbox-checked-insensitive.png menu-checkbox-insensitive.png
checkbox-checked.png menu-checkbox-mixed-hover.png
checkbox-mixed-active.png menu-checkbox-mixed-insensitive.png
checkbox-mixed-hover.png menu-checkbox-mixed.png
checkbox-mixed-insensitive.png menu-checkbox.png
checkbox-mixed.png menu-pan-down-insensitive.png
checkbox-unchecked-active.png menu-pan-down.png
checkbox-unchecked-hover.png menu-pan-left-hover.png
pan-down.png pan-left-insensitive.png
pan-left.png pan-left-semi.png
pan-right-insensitive.png pan-right.png
pan-right-semi.png pan-up-insensitive.png
pan-up.png progressbar-horz.png
progressbar-horz-trough.png progressbar-vert.png
progressbar-vert-trough.png radio-checked-active.png
radio-checked-hover.png radio-checked-insensitive.png
radio-checked.png scrollbar-vert-slider-rtl.png
scrollbar-vert-trough.png scrollbar-vert-trough-rtl.png
spin-down-insensitive.png spin-down.png
spin-ltr-down-active.png spin-ltr-down-hover.png
spin-ltr-down-insensitive.png spin-ltr-down.png
spin-ltr-up-active.png spin-ltr-up-hover.png
spin-ltr-up-insensitive.png spin-ltr-up.png
spin-rtl-down-active.png spin-rtl-down-hover.png
spin-rtl-down-insensitive.png spin-rtl-down.png

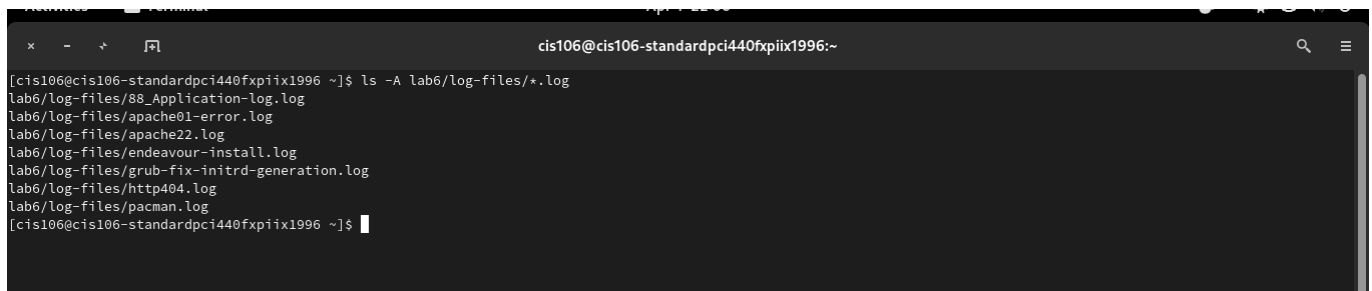
```



```
/usr/share/themes/HighContrast:
total 8.0K
drwxr-xr-x 1 root root 50 Mar 2 19:24 .
drwxr-xr-x 1 root root 7.9K Mar 6 01:05 ..
drwxr-xr-x 1 root root 10 Mar 2 19:24 gtk-2.0
drwxr-xr-x 1 root root 14 Mar 2 19:24 gtk-3.0
-rw-r--r-- 1 root root 6.0K Dec 12 16:38 index.theme

/usr/share/themes/HighContrast/gtk-2.0:
total 4.0K
drwxr-xr-x 1 root root 10 Mar 2 19:24 .
drwxr-xr-x 1 root root 50 Mar 2 19:24 ..
-rw-r--r-- 1 root root 2.0K Dec 12 16:38 gtkrc

/usr/share/themes/HighContrast/gtk-3.0:
total 4.0K
drwxr-xr-x 1 root root 14 Mar 2 19:24 .
drwxr-xr-x 1 root root 50 Mar 2 19:24 ..
-rw-r--r-- 1 root root 70 Dec 12 16:38 gtk.css
[cis106@cis106-standardpci440fxpiix1996 ~]$
```



Question 2

```
cis106@cis106-standardpci440fxpiix1996:~  
[cis106@cis106-standardpci440fxpiix1996 ~]$ ls -A lab6/.*  
lab6/.appveyor.yml  lab6/.dir-locals.el  lab6/.gitattributes  lab6/.jscs.json  lab6/.meta.isrunning  lab6/.PKGINFO  lab6/.travis.yml  
lab6/.auto-changelog  lab6/.editorconfig  lab6/.gitconfig  lab6/.jscsrc  lab6/.min-wd  lab6/.prettierrc  lab6/.vsixmanifest  
lab6/.bash_history  lab6/.envrc  lab6/.gitignore  lab6/.jshintignore  lab6/.MTREE  lab6/.prettierrc.yaml  lab6/.SRCINFO  
lab6/.bash_logout  lab6/.eslintignore  lab6/.gitkeep  lab6/.jshintrc  lab6/.npmignore  lab6/.SRCINFO  
lab6/.bash_profile  lab6/.eslintrc  lab6/.gitmodules  lab6/.keep  lab6/.nycrc  lab6/.startup-incomplete  
lab6/.bashrc  lab6/.eslintrc.js  lab6/.hidden  lab6/.landscape.yml  lab6/.obsolete  lab6/.tern-project  
lab6/.BUILDINFO  lab6/.eslintrc.json  lab6/.htaccess  lab6/.lessht  lab6/.padding  lab6/.tm_properties  
lab6/.coveralls.yml  lab6/.eslintrc.yml  lab6/.istanbul.yml  lab6/.metadata-v2  lab6/.parentlock  lab6/.tonic_example.js  
[cis106@cis106-standardpci440fxpiix1996 ~]$  
  
[cis106@cis106-standardpci440fxpiix1996 ~]$ ls -A lab6/  
25Games.lst  .BUILDINFO  .eslintrc.js  file_04.sh  .htaccess  .landscape.yml  .min-wd  .prettierrc  q1.png  trip22-info.doc  
apache03.err  .coveralls.yml  .eslintrc.json  file_05.sh  .istanbul.yml  last.txt  .MTREE  .prettierrc.yaml  q2.1.png  .vsixmanifest  
appveyor.yml  .dir-locals.el  .eslintrc.yml  .gitattributes  .jscs.json  .lessht  .npmignore  q1.2.png  .SRCINFO  
auto-changelog  Document.doc  Expenses.xls  .gitconfig  .jscsrc  list.txt  .nycrc  q1.3.png  .startup-incomplete  
bash_history  .editorconfig  file_00.sh  .gitignore  .jshintignore  log-files  .obsolete  q1.4.png  .tern-project  
bash_logout  .envrc  file_01.sh  .gitkeep  .jshintrc  lost.txt  .padding  q1.5.png  .tm_properties  
bash_profile  .eslintignore  file_02.sh  .gitmodules  .keep  .metadata-v2  .parentlock  q1.6.png  .tonic_example.js  
bashrc  .eslintrc  file_03.sh  .hidden  lab6.md  .meta.isrunning  .PKGINFO  q1.7.png  .travis.yml  
[cis106@cis106-standardpci440fxpiix1996 ~]$ ls -A lab6/*.*  
lab6/file_00.sh  lab6/file_01.sh  lab6/file_02.sh  lab6/file_03.sh  lab6/file_04.sh  lab6/file_05.sh  lab6/lab6.md  
[cis106@cis106-standardpci440fxpiix1996 ~]$  
  
[cis106@cis106-standardpci440fxpiix1996 lab6]$ ls -d l*st*?  
last.txt  list.txt  lost.txt  
[cis106@cis106-standardpci440fxpiix1996 lab6]$
```

Question 3

```

cis106@cis106-standardpci440fxpiix1996:~$ ls lab6/[A-Z]*
lab6/Document.doc  lab6/Expenses.xls
cis106@cis106-standardpci440fxpiix1996:~$ ls lab6/*[0-9]*
lab6/25Games.lst  lab6/file_01.sh  lab6/file_04.sh  lab6/q1.2.png  lab6/q1.5.png  lab6/q1.8.png  lab6/q2.2.png  lab6/trip22-info.doc
lab6/apache03.err  lab6/file_02.sh  lab6/file_05.sh  lab6/q1.3.png  lab6/q1.6.png  lab6/q1.png  lab6/q2.3.png
lab6/file_00.sh  lab6/file_03.sh  lab6/lab6.md  lab6/q1.4.png  lab6/q1.7.png  lab6/q2.1.png  lab6/q2.4.png
cis106@cis106-standardpci440fxpiix1996:~$ ls lab6/[A-Z0-9]*
lab6/25Games.lst  lab6/Document.doc  lab6/Expenses.xls
cis106@cis106-standardpci440fxpiix1996:~$
```

Question 4

```

cis106@cis106-standardpci440fxpiix1996:~/lab6$ cd lab6/
cis106@cis106-standardpci440fxpiix1996 lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
cis106@cis106-standardpci440fxpiix1996 lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
cis106@cis106-standardpci440fxpiix1996 lab6$
```

```

cis106@cis106-standardpci440fxpiix1996:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
cis106@cis106-standardpci440fxpiix1996 lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
6 directories, 0 files
cis106@cis106-standardpci440fxpiix1996 lab6$
```

```
cis106@cis106-standardpci440fxpiix1996:~/lab6
cis106@cis106-standardpci440fxpiix1996:~/lab6
[cis106@cis106-standardpci440fxpiix1996 lab6]$ mkdir -p docs/books/{history,math}/{fall,spring}
[cis106@cis106-standardpci440fxpiix1996 lab6]$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
7 directories, 0 files
[cis106@cis106-standardpci440fxpiix1996 lab6]$ touch docs/books/{history,math}/{fall,spring}/book.pdf
[cis106@cis106-standardpci440fxpiix1996 lab6]$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
[cis106@cis106-standardpci440fxpiix1996 lab6]$

cis106@cis106-standardpci440fxpiix1996:~/lab6
[cis106@cis106-standardpci440fxpiix1996 lab6]$ mkdir -p research/{books/{math,science}/{ebub,pdf},magazines/{computers,runing,videogames}/{fanmade,official}}/
[cis106@cis106-standardpci440fxpiix1996 lab6]$ tree research/
research/
├── books
│   ├── math
│   │   ├── ebub
│   │   └── pdf
│   └── science
│       ├── ebub
│       └── pdf
└── magazines
    ├── computers
    │   ├── fanmade
    │   └── official
    ├── runing
    │   ├── fanmade
    │   └── official
    └── videogames
        ├── fanmade
        └── official
17 directories, 0 files
[cis106@cis106-standardpci440fxpiix1996 lab6]$
```

Question 5

```

cis106@cis106-standardpci440fxpiix1996:usr/share
[cis106@cis106-standardpci440fxpiix1996 ~]$ mkdir lab6-q5
[cis106@cis106-standardpci440fxpiix1996 ~]$ cd /
[cis106@cis106-standardpci440fxpiix1996 /]$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
[cis106@cis106-standardpci440fxpiix1996 /]$ tree ~/lab6-q5/
/home/cis106/lab6-q5/
├── data.xls
├── people.csv
└── program.py

0 directories, 3 files
[cis106@cis106-standardpci440fxpiix1996 /]$ cd usr/share/
[cis106@cis106-standardpci440fxpiix1996 share]$ mkdir ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
mkdir: cannot create directory '/home/cis106/lab6-q5/movies/movies.lst': No such file or directory
mkdir: cannot create directory '/home/cis106/lab6-q5/movies/marvel.txt': No such file or directory
mkdir: cannot create directory '/home/cis106/lab6-q5/movies/disney.doc': No such file or directory
[cis106@cis106-standardpci440fxpiix1996 share]$ mkdir ~/lab6-q5/movies
[cis106@cis106-standardpci440fxpiix1996 share]$ mkdir ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
[cis106@cis106-standardpci440fxpiix1996 share]$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
[cis106@cis106-standardpci440fxpiix1996 share]$

```

```

cis106@cis106-standardpci440fxpiix1996:usr/share
[cis106@cis106-standardpci440fxpiix1996 share]$ rm -r ~/lab6-q5/program.py ~/lab6-q5/movies/{people.csv,disney.doc,marvel.txt}
rm: cannot remove '/home/cis106/lab6-q5/program.py': No such file or directory
rm: cannot remove '/home/cis106/lab6-q5/movies/people.csv': No such file or directory
[cis106@cis106-standardpci440fxpiix1996 share]$ rm -r ~/lab6-q5/program.py ~/lab6-q5/movies/{people.csv,disney.doc,marvel.txt}
bash: rm-r: command not found
[cis106@cis106-standardpci440fxpiix1996 share]$ rm ~/lab6-q5/program.py ~/lab6-q5/movies/{people.csv,disney.doc,marvel.txt}
rm: cannot remove '/home/cis106/lab6-q5/program.py': No such file or directory
rm: cannot remove '/home/cis106/lab6-q5/movies/people.csv': No such file or directory
rm: cannot remove '/home/cis106/lab6-q5/movies/disney.doc': No such file or directory
rm: cannot remove '/home/cis106/lab6-q5/movies/marvel.txt': No such file or directory
[cis106@cis106-standardpci440fxpiix1996 share]$ ls ~/lab6-q5/movies
movies.lst
[cis106@cis106-standardpci440fxpiix1996 share]$

```

challenge-questions

```

cis106@cis106-standardpci440fxpiix1996:~
[cis106@cis106-standardpci440fxpiix1996 ~]$ curl https://cis106.com/assets/lab6cq.sh | bash
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100 170 100 170    0    0 1268    0  --:--:-- --:--:-- --:--:-- 1268
[cis106@cis106-standardpci440fxpiix1996 ~]$

```

```

cis106@cis106-standardpci440fxpiix1996:~$ mkdir -p challenge-Lab6/{audio/aac,mp3,docs/{docx,pdf,xls},images/jpg/png}
cis106@cis106-standardpci440fxpiix1996:~$ tree challenge-Lab6
challenge-Lab6
├── audio
│   └── aac
├── docs
│   ├── docx
│   ├── pdf
│   └── xls
├── images
│   ├── jpg
│   └── png
└── mp3

10 directories, 0 files
cis106@cis106-standardpci440fxpiix1996:~$
```

```

cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images/jpg/png$ mv image1.jpg image2.jpg image3.jpg image1.png image2.png image3.png /ChallengeQuestion-Lab6/images/
mv: target '/ChallengeQuestion-Lab6/images/' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6$ mv image1.jpg image2.jpg image3.jpg image1.png image2.png image3.png /images/
mv: target '/images/' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6$ mv image1.jpg image2.jpg image3.jpg image1.png image2.png image3.png images/
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6$ mv image1.jpg image2.jpg image3.jpg images/jpg
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6$ mv image1.jpg image2.jpg image3.jpg images/ jpg
mv: target 'jpg' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6$ cd images
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ ls
image1.png image2.png image3.png jpg
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ ls
image1.png image2.png image3.png jpg
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ cd jpg
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images/jpg$ ls
image1.jpg image2.jpg image3.jpg png
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images/jpg$ cd ..
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/png
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg /png
mv: target '/png' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg /png
mv: target '/png' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg png/
mv: target 'png/' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/png/
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/png/
```

```

cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images/jpg/png$ mv image1.jpg image2.jpg image3.jpg png/
mv: target 'png/' is not a directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/png/
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/png/
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.jpg image2.jpg image3.jpg jpg/
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.png image2.png image3.png images/ jpg
mv: cannot stat 'images/': No such file or directory
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images$ mv image1.png image2.png image3.png / jpg
mv: cannot stat 'image1.png': No such file or directory
mv: cannot stat 'image2.png': No such file or directory
mv: cannot stat 'image3.png': No such file or directory
```



```
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6/images/jpg/png

[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.jpg image2.jpg image3.jpg jpg
mv: cannot stat 'image1.jpg': No such file or directory
mv: cannot stat 'image2.jpg': No such file or directory
mv: cannot stat 'image3.jpg': No such file or directory
[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.jpg image2.jpg image3.jpg /jpg
mv: target '/jpg' is not a directory
[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.jpg image2.jpg image3.jpg images/jpg
mv: target 'images/jpg' is not a directory
[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.png image2.png image3.png images/ jpg
mv: cannot stat 'images/': No such file or directory
[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.png image2.png image3.png / jpg
mv: cannot stat 'image1.png': No such file or directory
mv: cannot stat 'image2.png': No such file or directory
mv: cannot stat 'image3.png': No such file or directory
mv: inter-device move failed: '/' to 'jpg'; unable to remove target: Directory not empty
[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.png image2.png image3.png /jpg
mv: target '/jpg' is not a directory
[cis106@cis106-standardpci440fxpiix1996 images]$ mv image1.png image2.png image3.png jpg/
mv: cannot stat 'image1.png': No such file or directory
mv: cannot stat 'image2.png': No such file or directory
mv: cannot stat 'image3.png': No such file or directory
[cis106@cis106-standardpci440fxpiix1996 images]$ ls
jpg
[cis106@cis106-standardpci440fxpiix1996 images]$ cd jpg
[cis106@cis106-standardpci440fxpiix1996 jpg]$ ls
image1.jpg image1.png image2.jpg image2.png image3.jpg image3.png png
[cis106@cis106-standardpci440fxpiix1996 jpg]$ mv image1.png image2.png image3.png jpg/
mv: target 'jpg/' is not a directory
[cis106@cis106-standardpci440fxpiix1996 jpg]$ ls
image1.jpg image1.png image2.jpg image2.png image3.jpg image3.png png
[cis106@cis106-standardpci440fxpiix1996 jpg]$ mv image1.png image2.png image3.png png/
[cis106@cis106-standardpci440fxpiix1996 jpg]$ ls
image1.jpg image2.jpg image3.jpg png
[cis106@cis106-standardpci440fxpiix1996 jpg]$ cd png
[cis106@cis106-standardpci440fxpiix1996 png]$ ls
image1.png image2.png image3.png
```

```
cis106@cis106-standardpci440fxpiix1996:~

[cis106@cis106-standardpci440fxpiix1996 ~]$ tree challenge-Lab6
challenge-Lab6
├── audio
│   └── aac
│       ├── song1.aac
│       ├── song2.aac
│       └── song3.aac
├── docs
│   ├── docs1.doc
│   ├── docs2.doc
│   ├── docs3.doc
│   ├── docx
│   │   ├── docs1.docx
│   │   ├── docs2.docx
│   │   └── docs3.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   ├── docs2.pdf
│   │   └── docs3.pdf
│   └── xls
├── images
│   ├── image1.gif
│   ├── image2.gif
│   ├── image3.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   ├── image2.jpg
│   │   └── image3.jpg
│   ├── png
│   │   ├── image1.png
│   │   ├── image2.png
│   │   └── image3.png
└── mp3
    ├── song1.mp3
    ├── song2.mp3
    └── song3.mp3
```

```
cis106@cis106-standardpci440fxpiix1996:~  
cis106@cis106-standardpci440fxpiix1996:~$ ls  
docs1.doc  
docs2.doc  
docs3.doc  
docx  
  docs1.docx  
  docs2.docx  
  docs3.docx  
pdf  
  docs1.pdf  
  docs2.pdf  
  docs3.pdf  
xls  
images  
  image1.gif  
  image2.gif  
  image3.gif  
  jpg  
    image1.jpg  
    image2.jpg  
    image3.jpg  
  png  
    image1.png  
    image2.png  
    image3.png  
mp3  
  song1.mp3  
  song2.mp3  
  song3.mp3  
programs.go  
programs.py  
programs.rb  
programs.sh  
10 directories, 28 files  
[cis106@cis106-standardpci440fxpiix1996 ~]$
```

```
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6  
cis106@cis106-standardpci440fxpiix1996:~/challenge-Lab6$ ls  
challenge-Lab6 Desktop lab-5 lab5-imgs Music 'Screenshot from 2022-03-06 15-45-47.png'  
chrome-gnome-shell Documents lab5-audio lab5-video Pictures 'Screenshot from 2022-03-06 15-47-36.png'  
cis106 Downloads lab5ChallengeQuestion lab6 Public Templates  
Command-does.png lab4files lab5-docs lab6-q5 q3.1.png Videos  
[cis106@cis106-standardpci440fxpiix1996 ~]$ cd challenge-Lab6  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ ls  
audio docs1.doc docs1.pdf docs2.docx docs3.doc docs3.pdf image2.gif images programs.go programs.rb song1.aac song2.aac song3.aac  
docs docs1.docx docs2.doc docs2.pdf docs3.docx image1.gif image3.gif mp3 programs.py programs.sh song1.mp3 song2.mp3 song3.mp3  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv song1.aac song2.aac song3.aac aduio/  
mv: target 'aduio/' is not a directory  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv song1.aac song2.aac song3.aac aduio  
mv: target 'aduio' is not a directory  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv song1.aac song2.aac song3.aac audio/  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ ls  
audio docs1.doc docs1.pdf docs2.docx docs3.doc docs3.pdf image2.gif images programs.go programs.rb song1.mp3 song3.mp3  
docs docs1.docx docs2.doc docs2.pdf docs3.docx image1.gif image3.gif mp3 programs.py programs.sh song2.mp3  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv docs1.docx docs2.docx docs3.docx docs/docsx  
mv: target 'docs/docsx' is not a directory  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv docs1.docx docs2.docx docs3.docx docs/docx  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ ls  
audio docs1.doc docs2.doc docs3.doc image1.gif image3.gif mp3 programs.py programs.sh song2.mp3  
docs docs1.pdf docs2.pdf docs3.pdf image2.gif images programs.go programs.rb song1.mp3 song3.mp3  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv docs1.pdf docs2.pdf docs3.pdf docs/pdf  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv song1.mp3 song2.mp3 song3.mp3 mp3/  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv image1.gif image2.gif image3.gif images/  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ mv docs1.doc docs2.doc docs3.doc docs/  
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$
```

```

cis106@cis106-standardpci440fxpiix1996 ~/challenge-Lab6
cis106@cis106-standardpci440fxpiix1996 ~]$ ls
challenge-Lab6 Desktop lab-5 lab5-imgs Music 'Screenshot from 2022-03-06 15-45-47.png'
chrome-gnome-shell Documents lab5-audio lab5-video Pictures 'Screenshot from 2022-03-06 15-47-36.png'
cis106 Downloads lab5ChallengeQuestion lab6 Public Templates
Command-does.png lab4files lab5-docs lab6-q5 q3.1.png Videos
[cis106@cis106-standardpci440fxpiix1996 ~]$ cd challenge-Lab6
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ ls
audio docs1.doc docs1.pdf docs2.docx docs3.doc docs3.pdf image2.gif images programs.go programs.rb song1.mp3 song3.mp3
docs docs1.docx docs2.doc docs2.pdf docs3.docx image1.gif image3.gif mp3 programs.py programs.sh song2.mp3
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$ cd audio
[cis106@cis106-standardpci440fxpiix1996 audio]$ ls
aac song1.aac song2.aac song3.aac
[cis106@cis106-standardpci440fxpiix1996 audio]$ mc song1.aac song2.aac song3.aac aac/
bash: mc: command not found
[cis106@cis106-standardpci440fxpiix1996 audio]$ mv song1.aac song2.aac song3.aac aac/
[cis106@cis106-standardpci440fxpiix1996 audio]$ ls
aac
[cis106@cis106-standardpci440fxpiix1996 audio]$ cd ..
[cis106@cis106-standardpci440fxpiix1996 challenge-Lab6]$
```