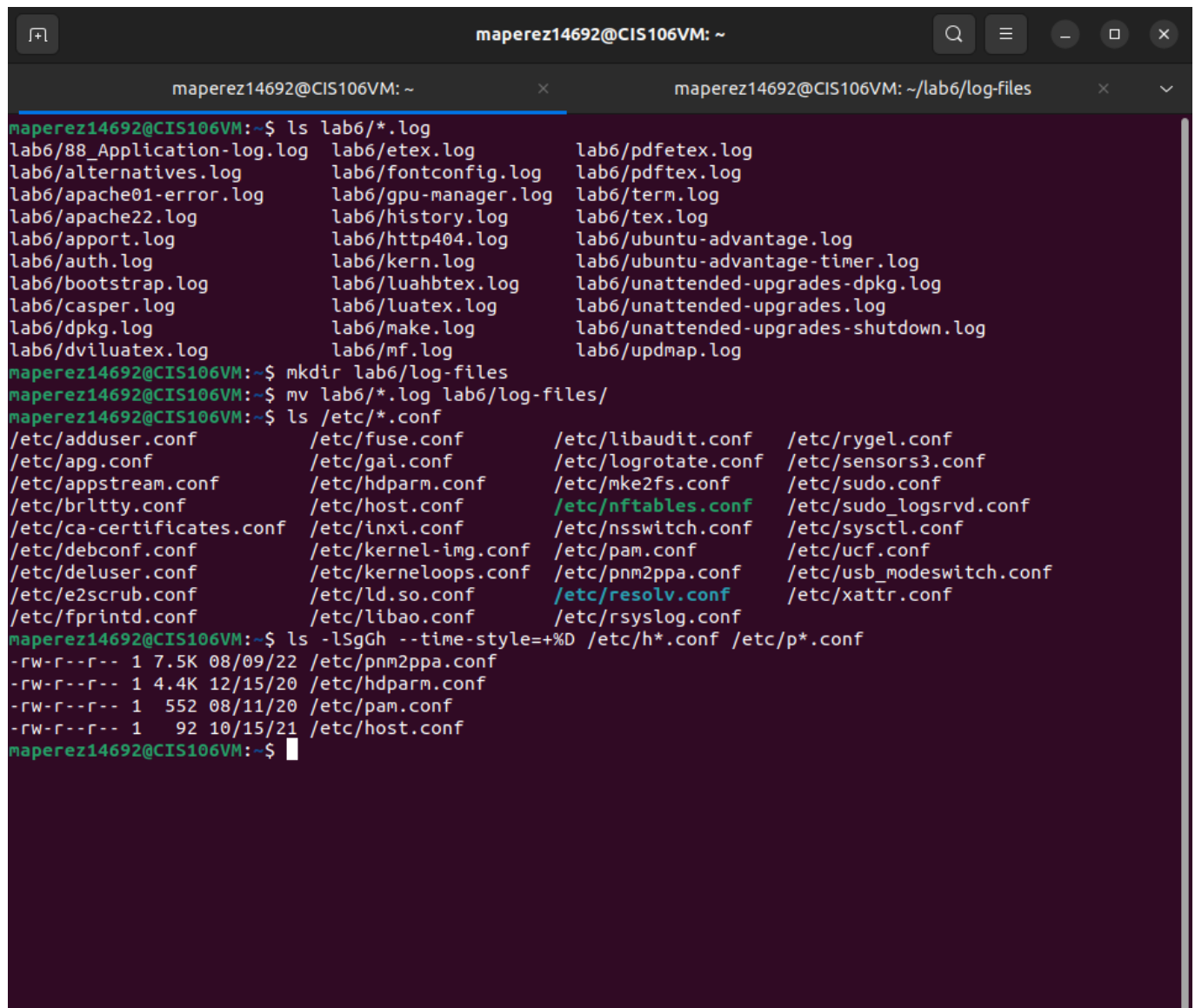


Lab 6

Question 1



```
maperez14692@CIS106VM: ~  
maperez14692@CIS106VM: ~  
maperez14692@CIS106VM: ~$ ls lab6/*.log  
lab6/88_Application-log.log  lab6/etex.log  lab6/pdfetex.log  
lab6/alternatives.log      lab6/fontconfig.log  lab6/pdftex.log  
lab6/apache01-error.log    lab6/gpu-manager.log  lab6/term.log  
lab6/apache22.log          lab6/history.log      lab6/tex.log  
lab6/apport.log            lab6/http404.log      lab6/ubuntu-advantage.log  
lab6/auth.log              lab6/kern.log          lab6/ubuntu-advantage-timer.log  
lab6/bootstrap.log         lab6/luahbtex.log     lab6/unattended-upgrades-dpkg.log  
lab6/casper.log            lab6/luatex.log        lab6/unattended-upgrades.log  
lab6/dpkg.log              lab6/make.log          lab6/unattended-upgrades-shutdown.log  
lab6/dvluatex.log          lab6/mf.log            lab6/updmap.log  
maperez14692@CIS106VM:~$ mkdir lab6/log-files  
maperez14692@CIS106VM:~$ mv lab6/*.log lab6/log-files/  
maperez14692@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  
maperez14692@CIS106VM:~$ ls -lSgGh --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  
maperez14692@CIS106VM:~$
```

Question 2

```

maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6$ ls .??*
.appveyor.yml      .eslintrc.js      .keep              .sudo_as_admin_successful
.auto-changelog     .eslintrc.json    .last_revision     .tern-project
.babelrc            .eslintrc.yml     .lessshst          .testignore
.bash_aliases       .gitattributes     .lint              .textFiles
.bash_history       .gitconfig        .metadata-v2       .tm_properties
.bash_logout        .gitignore        .meta.isrunning    .tonic_example.js
.bashrc             .gitkeep          .min-wd            .travis.yml
.changed            .gitmodules       .npmignore         .uuid
.cis106.png         .gsd-keyboard.settings-ported .nycrc             .vboxclient-clipboard.pid
.coveralls.yml      .htaccess         .padding           .vboxclient-display-svga-x11.pid
.dir-locals.el      .istanbul.yml     .parentlock        .vboxclient-draganddrop.pid
.editorconfig       .jscs.json        .prettierrc        .vsixmanifest
.envrc              .jshintrc         .prettierrc.yaml   .profile
.eslintignore       .jshintignore      .prettierrc.yaml   .profile
.eslintrc           .jshintignore      .profile
.eslintrc           .jshintignore      .startup-incomplete

maperez14692@CIS106VM: ~/lab6$ ls -A *.*?
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
maperez14692@CIS106VM: ~/lab6$ ls -A l?st*
last.txt list.txt lost.txt
maperez14692@CIS106VM: ~/lab6$ ls -A *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
maperez14692@CIS106VM: ~/lab6$

```

Question 3

```

maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6$ ls [A-Z]*
Document.doc Expenses.xls
maperez14692@CIS106VM: ~/lab6$ ls [A-Z0-9]*
25Games.lst Document.doc Expenses.xls
maperez14692@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
maperez14692@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
maperez14692@CIS106VM: ~/lab6$

```

Question 4

```
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
maperez14692@CIS106VM:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
maperez14692@CIS106VM:~/lab6$
```

```
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
maperez14692@CIS106VM:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small
6 directories, 0 files
maperez14692@CIS106VM:~/lab6$
```

```
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM: ~/lab6
maperez14692@CIS106VM:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
maperez14692@CIS106VM:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
maperez14692@CIS106VM:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
maperez14692@CIS106VM:~/lab6$
```

```
maperez14692@CIS106VM: /usr/share
maperez14692@CIS106VM: /usr/share
maperez14692@CIS106VM:~$ mkdir lab6-q5
maperez14692@CIS106VM:~$ cd /
maperez14692@CIS106VM:/ $ touch ~/lab6-q5/{program.py,people.csv,data.xls}
maperez14692@CIS106VM:/ $ cd /usr/share/
maperez14692@CIS106VM:/usr/share$ mkdir ~/lab6-q5/movies
maperez14692@CIS106VM:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
maperez14692@CIS106VM:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
maperez14692@CIS106VM:/usr/share$ tree ~/lab6-q5/
/home/maperez14692/lab6-q5/
├── data.xls
└── movies
    └── movies.lst
1 directory, 2 files
maperez14692@CIS106VM:/usr/share$
```

Challenge Question

```
maperez14692@CIS106VM: ~  
maperez14692@CIS106VM:~$ curl https://cis106.com/assets/lab6cq.sh | bash  
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current  
           % Done                   Dload  Upload   Total   Spent    Left   Speed  
100 165 100 165  0  0  630  0  --:--:-- --:--:-- --:--:-- 632  
maperez14692@CIS106VM:~$ mkdir -p challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}}  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.aac challenge-Lab6/audio/aac/  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.??? challenge-Lab6/docs/docx/  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.xls challenge-Lab6/docs/xls/  
mv: cannot stat 'challenge-Lab6/*.xls': No such file or directory  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.jpg challenge-Lab6/images/jpg/  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/  
maperez14692@CIS106VM:~$ mkdir challenge-Lab6/images/gif  
maperez14692@CIS106VM:~$ mkdir challenge-Lab6/programs  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*[0-9].gif challenge-Lab6/images/gif/  
maperez14692@CIS106VM:~$ mv challenge-Lab6/*m.n.?? challenge-Lab6/programs/  
maperez14692@CIS106VM:~$ tree challenge-Lab6/  
challenge-Lab6/  
├── audio  
│   ├── aac  
│   │   ├── song1.aac  
│   │   └── song2.aac  
│   └── mp3  
│       ├── song1.mp3  
│       └── song2.mp3  
├── docs  
│   ├── docx  
│   │   ├── docx1.docx  
│   │   └── docx2.docx  
│   ├── pdf  
│   │   ├── docx1.pdf  
│   │   └── docx2.pdf  
│   └── xls  
├── images  
│   ├── gif  
│   │   ├── image1.gif  
│   │   └── image2.gif  
│   ├── jpg  
│   │   ├── image1.jpg  
│   │   └── image2.jpg  
│   ├── png  
│   │   ├── image1.png  
│   │   └── image2.png  
└── programs  
    ├── program.go  
    ├── program.py  
    ├── program.rb  
    └── program.sh  
12 directories, 18 files
```