

# Lab 6

## Question 1

```

Tilix: inoquendoosorio@cis106vm: ~
1: inoquendoosorio@cis106vm: ~
inoquendoosorio@cis106vm:~$ ls
cereal-sorted.csv  Documents  organizedReport.md  tasks.md  wildcardpractice
cis106-f22         Downloads  Pictures            Templates
cis106-Spring22   Music     Public             Videos
Desktop           Music     shopping.md        website
inoquendoosorio@cis106vm:~$ curl https://cis106.com/assets/lab6.sh | bash
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left  Speed
100    425    100    425     0     0    2272     0 --:--:-- --:--:-- --:--:--    2272
inoquendoosorio@cis106vm:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/gpu-manager.log
lab6/access.log             lab6/history.log
lab6/alternatives.log       lab6/http404.log
lab6/apache01-error.log     lab6/kern.log
lab6/apache22.log           lab6/make.log
lab6/auth.log               lab6/term.log
lab6/bootstrap.log          lab6/ubuntu-advantage-timer.log
lab6/dpkg.log               lab6/unattended-upgrades-dpkg.log
lab6/error.log              lab6/unattended-upgrades.log
lab6/fontconfig.log         lab6/unattended-upgrades-shutdown.log
inoquendoosorio@cis106vm:~$ mkdir lab6/log-files
inoquendoosorio@cis106vm:~$ mv lab6/*.log lab6/log-files/
inoquendoosorio@cis106vm:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/host.conf        /etc/pam.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/resolv.conf
/etc/ca-certificates.conf /etc/ld.so.conf       /etc/rsyslog.conf
/etc/debconf.conf      /etc/libao.conf       /etc/rygel.conf
/etc/deluser.conf      /etc/libaudit.conf    /etc/sensors3.conf
/etc/e2scrub.conf       /etc/logrotate.conf   /etc/sysctl.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
inoquendoosorio@cis106vm:~$ ls -lSgH --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 08/19/21 /etc/pnm2ppa.conf
-rw-r--r-- 1 5.0K 08/21/19 /etc/hdparm.conf
-rw-r--r-- 1 552 12/17/19 /etc/pam.conf
-rw-r--r-- 1 350 02/23/22 /etc/popularity-contest.conf
-rw-r--r-- 1 92 12/05/19 /etc/host.conf
inoquendoosorio@cis106vm:~$

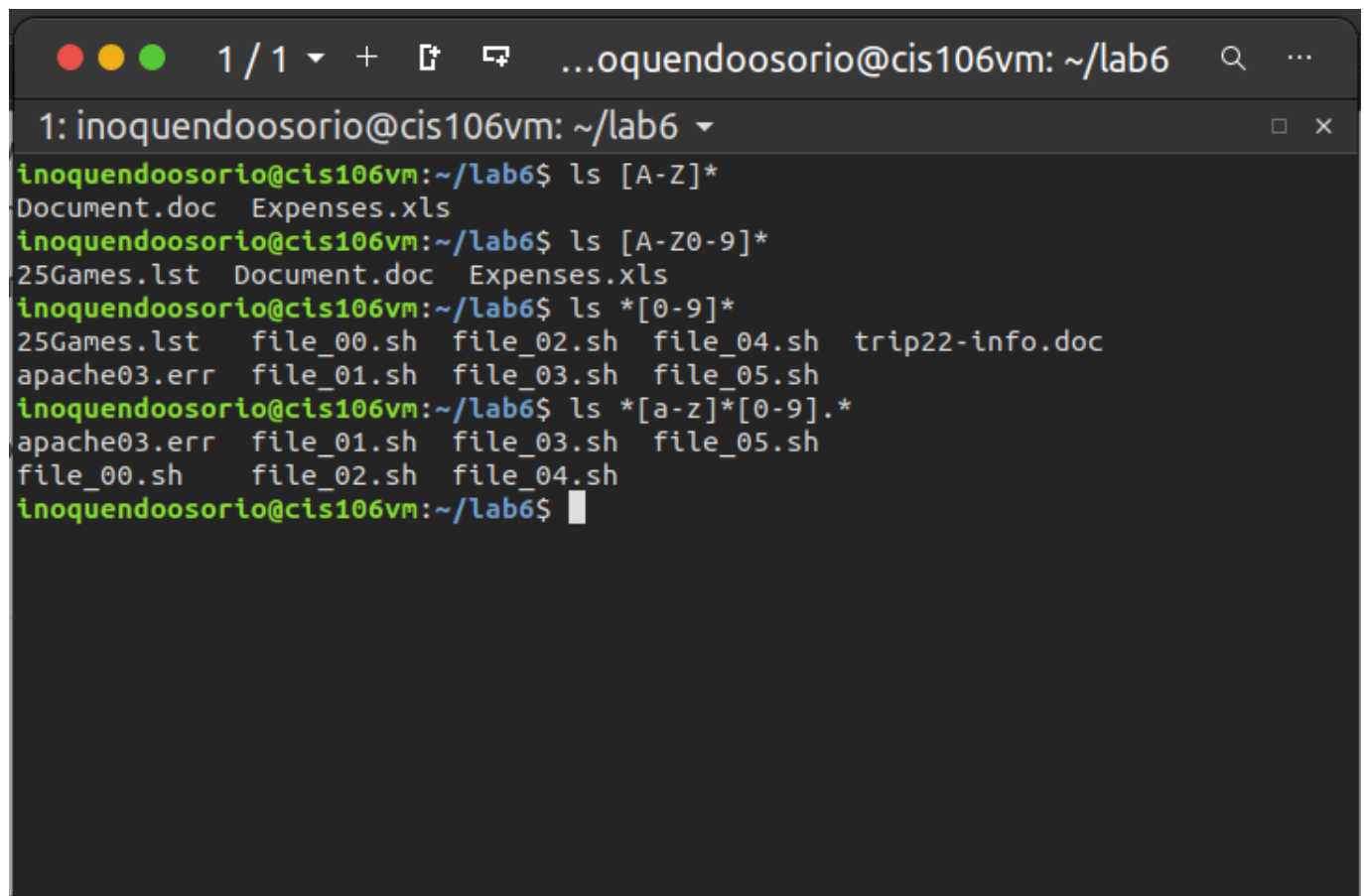
```

## Question 2

```
Tilix: inoquendoosorio@cis106vm: ~/lab6
1: inoquendoosorio@cis106vm: ~/lab6
inoquendoosorio@cis106vm:~$ cd lab6/
inoquendoosorio@cis106vm:~/lab6$ ls .??*
.appveyor.yml          .jscs.json
.auto-changelog         .jscsrc
.babelrc               .jshintignore
.bash_aliases          .jshintrc
.bash_history           .keep
.bash_logout           .last_revision
.bashrc                .lessht
.changed               .lint
.cis106.png            '.linux_&_youtube_channel.png'
.coveralls.yml         .metadata-v2
.directory             .meta.isrunning
.dir-locales.el        .min-wd
.DS_Store              .npmignore
.editorconfig          .nycrc
.envrc                .obsolete
.eslintignore          .padding
.eslintrc              .parentlock
.eslintrc.js           .PCCC_Logo.png
.eslintrc.json         .prettierignore
.eslintrc.yml          .prettierrc.yaml
.gitattributes         .profile
.gitconfig             .selected_editor
.GitHub-icon.png       .startup-incomplete
.GitHub-icon.png.trashinfo .sudo_as_admin_successful
.github.png            .tern-project
.gitignore             .testignore
.gitkeep              .textFiles
.gitmodules            .tm_properties
.hidden               .tonic_example.js
.hidden1.doc          .travis.yml
.hidden1.py           .vboxclient-clipboard.pid
.hidden2.doc          .vboxclient-display-svg-x11.pid
.hidden2.py           .vboxclient-draganddrop.pid
.hiddenFile.txt       .vboxclient-seamless.pid
.history              .viminfo
.htaccess             .vsixmanifest
.istanbul.yml
```

```
Tilix: inoquendoosorio@cis106vm: ~/lab6
1: inoquendoosorio@cis106vm: ~/lab6
inoquendoosorio@cis106vm:~/lab6$ ls -A *.*?
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
inoquendoosorio@cis106vm:~/lab6$ ls l?st*
last.txt list.txt lost.txt
inoquendoosorio@cis106vm:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
inoquendoosorio@cis106vm:~/lab6$
```

Question 3

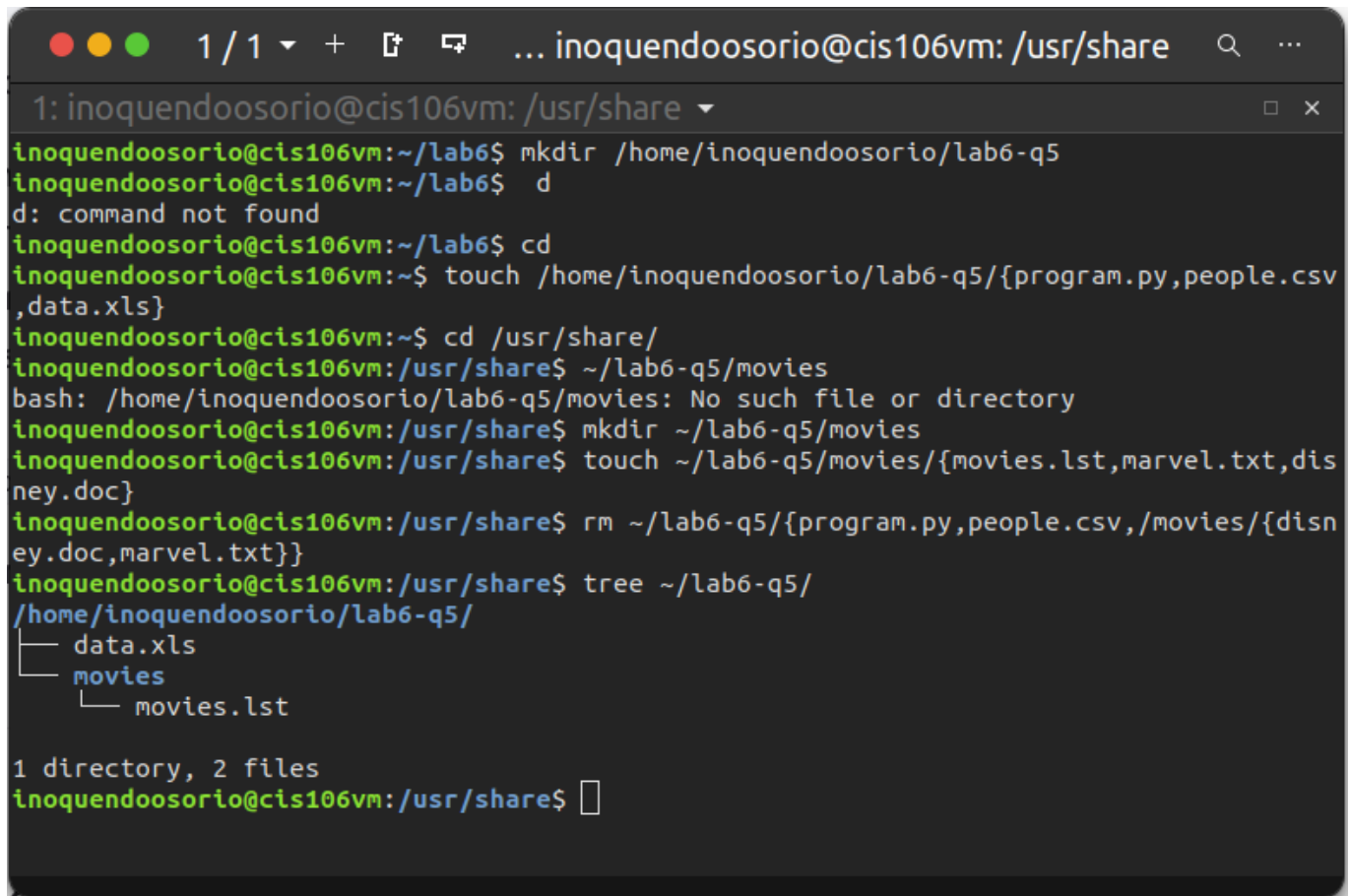


```
inoquendoosorio@cis106vm: ~/lab6
inoquendoosorio@cis106vm:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
inoquendoosorio@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
inoquendoosorio@cis106vm:~/lab6$ ls *[0-9]*
25Games.lst  file_00.sh  file_02.sh  file_04.sh  trip22-info.doc
apache03.err  file_01.sh  file_03.sh  file_05.sh
inoquendoosorio@cis106vm:~/lab6$ ls *[a-z]*[0-9].*
apache03.err  file_01.sh  file_03.sh  file_05.sh
file_00.sh    file_02.sh  file_04.sh
inoquendoosorio@cis106vm:~/lab6$
```

Question 4

```
1 / 1 + ...inoquendoosorio@cis106vm: ~/lab6
1: inoquendoosorio@cis106vm: ~/lab6
inoquendoosorio@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
inoquendoosorio@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
inoquendoosorio@cis106vm:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
inoquendoosorio@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
6 directories, 0 files
inoquendoosorio@cis106vm:~/lab6$
```

```
1 / 1 + Tilix: inoquendoosorio@cis106vm: ~/lab6
1: inoquendoosorio@cis106vm: ~/lab6
inoquendoosorio@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
inoquendoosorio@cis106vm:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book
.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
inoquendoosorio@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pd
f
inoquendoosorio@cis106vm:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
inoquendoosorio@cis106vm:~/lab6$
```



```
1 / 1 + ... inoquendoosorio@cis106vm: /usr/share
1: inoquendoosorio@cis106vm: /usr/share
inoquendoosorio@cis106vm:~/lab6$ mkdir /home/inoquendoosorio/lab6-q5
inoquendoosorio@cis106vm:~/lab6$ d
d: command not found
inoquendoosorio@cis106vm:~/lab6$ cd
inoquendoosorio@cis106vm:~$ touch /home/inoquendoosorio/lab6-q5/{program.py,people.csv,data.xls}
inoquendoosorio@cis106vm:~$ cd /usr/share/
inoquendoosorio@cis106vm:/usr/share$ ~/lab6-q5/movies
bash: /home/inoquendoosorio/lab6-q5/movies: No such file or directory
inoquendoosorio@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
inoquendoosorio@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,movie.doc,disney.doc}
inoquendoosorio@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.doc,movie.txt}}
inoquendoosorio@cis106vm:/usr/share$ tree ~/lab6-q5/
/home/inoquendoosorio/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
inoquendoosorio@cis106vm:/usr/share$
```

Challenge Question

```
Tilix: inoquendoosorio@cis106vm: ~  
1: inoquendoosorio@cis106vm: ~  
inoquendoosorio@cis106vm:~$ curl https://cis106.com/assets/lab6cq.sh | bash  
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current  
           Dload  Upload   Total   Spent    Left   Speed  
100    165    100    165     0     0    1279     0  --:--:--  --:--:--  --:--:--  1289  
mkdir: cannot create directory '/home/inoquendoosorio/challenge-Lab6': File exists  
inoquendoosorio@cis106vm:~$ mkdir -p challenge-Lab6/{audio/{acc,mp3},docs/{docx,pdf,xls},images/{jpg,  
png}}  
inoquendoosorio@cis106vm:~$  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.doc *.pdf challenge-Lab6/docs  
mv: cannot stat 'challenge-Lab6/*.doc': No such file or directory  
mv: cannot stat '/*.pdf': No such file or directory  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.docx challenge-Lab6/docs/docx/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.aac challenge-Lab6/audio/acc/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*image?.j* challenge-Lab6/images/jpg/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/  
inoquendoosorio@cis106vm:~$ tree challenge-Lab6/  
challenge-Lab6/
```

```
Tilix: inoquendoosorio@cis106vm: ~  
1: inoquendoosorio@cis106vm: ~  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*image?.j* challenge-Lab6/images/jpg/  
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/  
inoquendoosorio@cis106vm:~$ tree challenge-Lab6/  
challenge-Lab6/  
├── audio  
│   ├── acc  
│   │   ├── 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  
inoquendoosorio@cis106vm:~$
```