

Lab 6 | File Globing/wildcards

Question 1

```

inoquendoosorio@cis106vm: ~
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 -lgHs --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:~$ ls -R /usr/share/themes/*.theme
ls: cannot access '/usr/share/themes/*.theme': No such file or directory
inoquendoosorio@cis106vm:~$ ls -R /usr/share/themes/
/usr/share/themes/:
Adwaita      Default    HighContrast  Yaru        Yaru-light
Adwaita-dark Emacs      Raleigh      Yaru-dark

/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:
border.png
button-active.png
button-hover.png
button-insensitive.png
button.png

/usr/share/themes/Yaru-light/gtk-3.0:
gtk.css  gtk-dark.css  gtk.gresource

/usr/share/themes/Yaru-light/gtk-3.20:
gtk.css  gtk-dark.css  gtk.gresource
inoquendoosorio@cis106vm:~$ ls lab6/*.log
lab6/88_Application-log.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/unattended-upgrades-dpkg.log
lab6/dpkg.log               lab6/unattended-upgrades.log
lab6/fontconfig.log         lab6/unattended-upgrades-shutdown.log
lab6/gpu-manager.log

inoquendoosorio@cis106vm:~$ mkdir lab6/log-files
inoquendoosorio@cis106vm:~$ mv lab6/*.log lab6/log-files/
inoquendoosorio@cis106vm:~$ ls lab6/
25Games.lst  Expenses.xls  file_02.sh  file_05.sh  log-files
apache03.err  file_00.sh   file_03.sh  last.txt    lost.txt

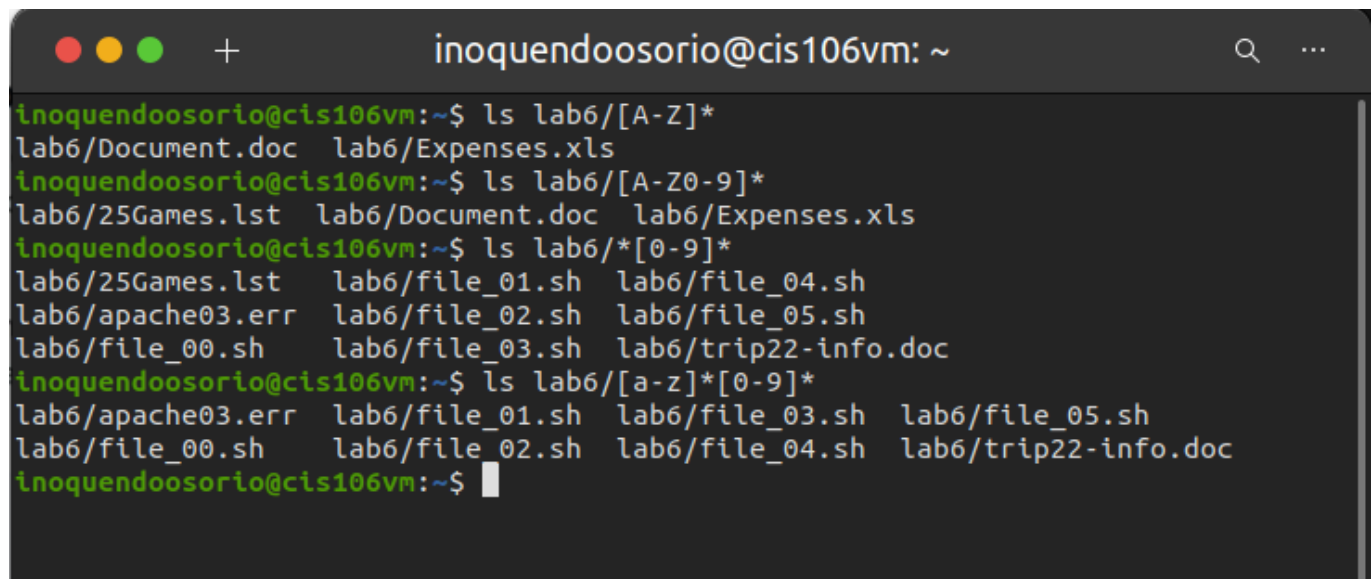
```

```
Document.doc  file_01.sh  file_04.sh  list.txt  trip22-info.doc  
inoquendoosorio@cis106vm:~$
```

Question 2

```
inoquendoosorio@cis106vm: ~  
inoquendoosorio@cis106vm:~$ ls -A lab6/.??*  
lab6/.appveyor.yml      lab6/.jshintignore  
lab6/.auto-changelog    lab6/.jshintrc  
lab6/.bash_history      lab6/.keep  
lab6/.bash_logout      lab6/.last_revision  
lab6/.bashrc            lab6/.metadata-v2  
lab6/.changed           lab6/.min-wd  
lab6/.cis106.png        lab6/.npmignore  
lab6/.coveralls.yml     lab6/.nycrc  
lab6/.directory         lab6/.obsolete  
lab6/.dir-locals.el     lab6/.padding  
lab6/.DS_Store          lab6/.parentlock  
lab6/.editorconfig      lab6/.prettierignore  
lab6/.envrc             lab6/.prettierrc.yaml  
lab6/.eslintignore      lab6/.profile  
lab6/.eslintrc          lab6/.selected_editor  
lab6/.eslintrc.js       lab6/.startup-incomplete  
lab6/.eslintrc.json     lab6/.sudo_as_admin_successful  
lab6/.eslintrc.yml      lab6/.tern-project  
lab6/.gitattributes      lab6/.tm_properties  
lab6/.gitconfig          lab6/.tonic_example.js  
lab6/.gitignore          lab6/.travis.yml  
lab6/.gitkeep            lab6/.vboxclient-clipboard.pid  
lab6/.gitmodules         lab6/.vboxclient-display-svg-x11.pid  
lab6/.hidden             lab6/.vboxclient-draganddrop.pid  
lab6/.htaccess           lab6/.vboxclient-seamless.pid  
lab6/.istanbul.yml       lab6/.viminfo  
lab6/.jscs.json          lab6/.vsixmanifest  
lab6/.jscsrc  
inoquendoosorio@cis106vm:~$ ls -A lab6/*.*?  
lab6/file_00.sh  lab6/file_02.sh  lab6/file_04.sh  
lab6/file_01.sh  lab6/file_03.sh  lab6/file_05.sh  
inoquendoosorio@cis106vm:~$ ls -A lab6/l?st*  
lab6/last.txt  lab6/list.txt  lab6/lost.txt  
inoquendoosorio@cis106vm:~$ ls -A lab6/*_??.*  
lab6/file_00.sh  lab6/file_02.sh  lab6/file_04.sh  
lab6/file_01.sh  lab6/file_03.sh  lab6/file_05.sh  
inoquendoosorio@cis106vm:~$
```

Question 3



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

Question 4

```
inoquendoosorio@cis106vm: ~/lab6

inoquendoosorio@cis106vm:~$ cd lab6/
inoquendoosorio@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
inoquendoosorio@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└──

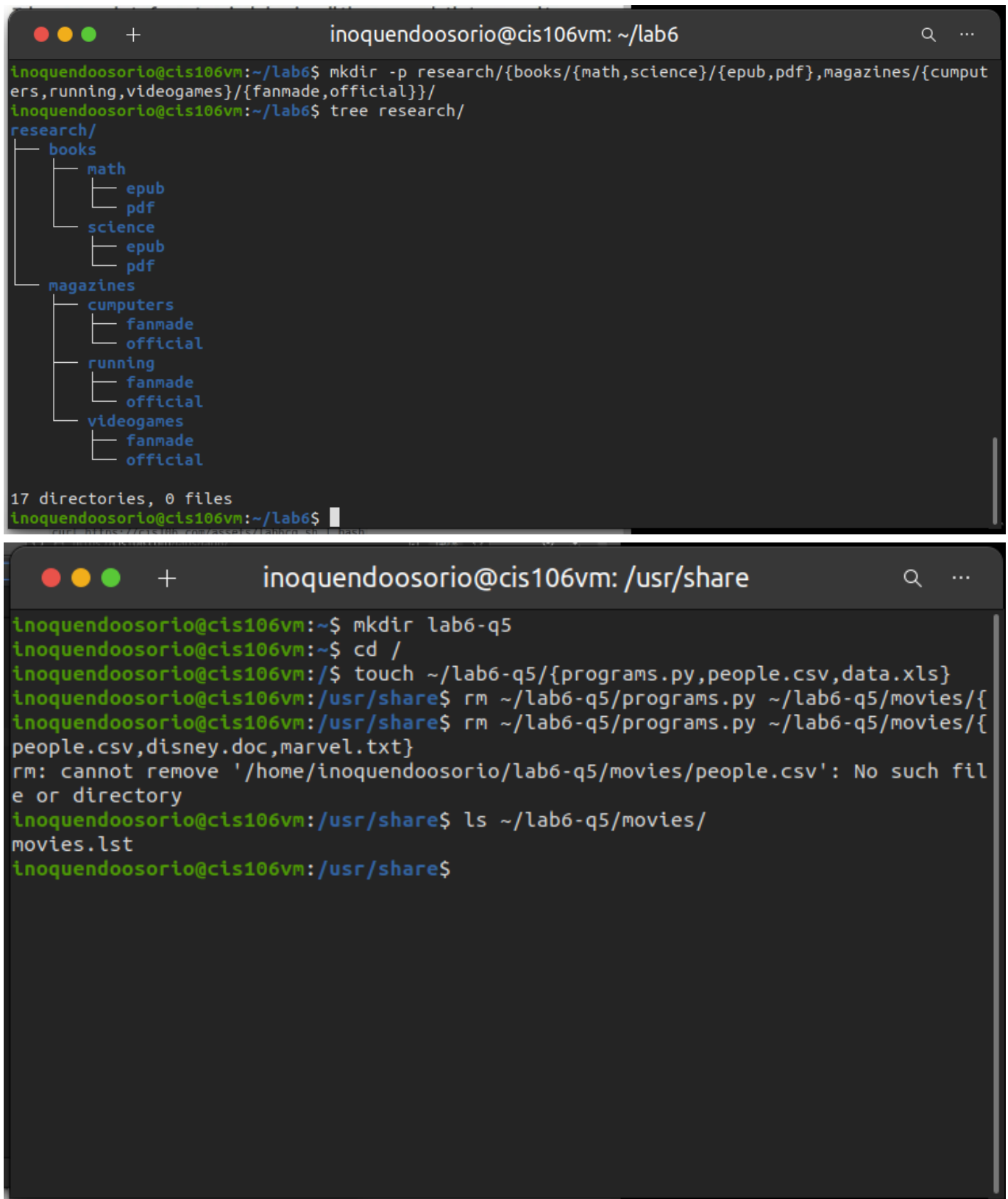
4 directories, 0 files
inoquendoosorio@cis106vm:~/lab6$
```

```
inoquendoosorio@cis106vm: ~/lab6

inoquendoosorio@cis106vm:~$ cd lab6/
inoquendoosorio@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
inoquendoosorio@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└──

inoquendoosorio@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
inoquendoosorio@cis106vm:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
└──

7 directories, 0 files
inoquendoosorio@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
inoquendoosorio@cis106vm:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
└──
```



```
inoquendoosorio@cis106vm: ~/lab6
inoquendoosorio@cis106vm:~/lab6$ mkdir -p research/{books/{math,science}/{epub,pdf},magazines/{computers,running,videogames}/{fanmade,official}}/
inoquendoosorio@cis106vm:~/lab6$ tree research/
research/
├── books
│   ├── math
│   │   ├── epub
│   │   └── pdf
│   └── science
│       ├── epub
│       └── pdf
└── magazines
    ├── computers
    │   ├── fanmade
    │   └── official
    ├── running
    │   ├── fanmade
    │   └── official
    └── videogames
        ├── fanmade
        └── official

17 directories, 0 files
inoquendoosorio@cis106vm:~/lab6$

inoquendoosorio@cis106vm: /usr/share
inoquendoosorio@cis106vm:~$ mkdir lab6-q5
inoquendoosorio@cis106vm:~$ cd /
inoquendoosorio@cis106vm:/$ touch ~/lab6-q5/{programs.py,people.csv,data.xls}
inoquendoosorio@cis106vm:/usr/share$ rm ~/lab6-q5/programs.py ~/lab6-q5/movies/{
inoquendoosorio@cis106vm:/usr/share$ rm ~/lab6-q5/programs.py ~/lab6-q5/movies/{
people.csv,disney.doc,marvel.txt}
rm: cannot remove '/home/inoquendoosorio/lab6-q5/movies/people.csv': No such file or directory
inoquendoosorio@cis106vm:/usr/share$ ls ~/lab6-q5/movies/
movies.lst
inoquendoosorio@cis106vm:/usr/share$
```

Question 5 (Challenge Question)


```

inoquendoosorio@cis106vm: ~
inoquendoosorio@cis106vm:~$ curl https://cis106.com/assets/lab6cq.sh | bash
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Dload    % Upload   Dload   Upload   Total   Spent    Left   Speed
100    170    100    170     0     0    351       0  --:--:--  --:--:--  --:--:--   351
inoquendoosorio@cis106vm:~$ ls
challenge-Lab6  Downloads  lab-5          lab5-imgs  Music      snap
cis106-Spring22 hello.py   lab5-audio     lab5-video Pictures    Temp
lates
Desktop        hello.sh   lab5ChanllengeQuestion lab6       practicels Vide
os
Documents      lab4files lab5-docs      lab6-q5    Public
inoquendoosorio@cis106vm:~$ mkdir -p challenge-Lab6/{audio/{acc,mp3},docs/{docx,
pdf,doc},images/{png,gif,jpg},programs/}
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/audio/acc/*.aac challenge-Lab6/aud
io/acc/
mv: cannot stat 'challenge-Lab6/audio/acc/*.aac': No such file or directory
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/audio/acc/*.aac challenge-Lab6/aud
io/acc/
mv: cannot stat 'challenge-Lab6/audio/acc/*.aac': No such file or directory
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/*.doc challenge-Lab6/docs/doc/
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.docx challenge-Lab6/docs/docx/
inoquendoosorio@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/

```

```

inoquendoosorio@cis106vm: ~
inoquendoosorio@cis106vm:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── acc
│   │   ├── song1.aac
│   │   ├── song2.aac
│   │   └── song3.aac
│   └── mp3
│       ├── song1.mp3
│       ├── song2.mp3
│       └── song3.mp3
├── docs
│   ├── doc
│   │   ├── docs1.doc
│   │   ├── docs2.doc
│   │   └── docs3.doc
│   ├── docx
│   │   ├── docs1.docx
│   │   ├── docs2.docx
│   │   └── docs3.docx
│   └── pdf
│       ├── docs1.pdf
│       ├── docs2.pdf
│       └── docs3.pdf
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   ├── image2.gif
│   │   └── image3.gif
│   └── jpg
│       └── image1.jpg

```



```
├── image2.jpg
├── image3.jpg
├── png
│   ├── image1.png
│   ├── image2.png
│   └── image3.png
└── programs
    ├── programs.go
    ├── programs.py
    ├── programs.rb
    └── programs.sh
```