

Lab 6 File Globing/wildcards

Question 1

```
alfonzo@CIS106:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/host.conf        /etc/nsswitch.conf
/etc/apg.conf          /etc/inxi.conf        /etc/pam.conf
/etc/appstream.conf    /etc/kernel-img.conf  /etc/pnm2ppa.conf
/etc/brltty.conf       /etc/kerneloops.conf  /etc/popularity-contest.conf
/etc/ca-certificates.conf /etc/ld.so.conf       /etc/resolv.conf
/etc/debconf.conf      /etc/libao.conf       /etc/rsyslog.conf
/etc/deluser.conf      /etc/libaudit.conf    /etc/rygel.conf
/etc/e2scrub.conf      /etc/logrotate.conf   /etc/sensors3.conf
/etc/fprintd.conf      /etc/ltrace.conf      /etc/sysctl.conf
/etc/fuse.conf          /etc/mke2fs.conf      /etc/ucf.conf
/etc/gai.conf           /etc/mpd.conf          /etc/usb_modeswitch.conf
/etc/hdparm.conf       /etc/ntools.conf      /etc/xattr.conf
alfonzo@CIS106:~$ ls -lgH5 --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-rw-r-- 1 350 02/20/22 /etc/popularity-contest.conf
-rw-r--r-- 1 92 12/05/19 /etc/host.conf
alfonzo@CIS106:~$ ls /usr/share/themes/*/*.theme
/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
alfonzo@CIS106:~$ ls ~/lab6/*.log
/home/alfonzo/lab6/88_Application-log.log /home/alfonzo/lab6/auth.log /home/alfonzo/lab6/Fontconfig.log /home/alfonzo/lab6/kern.log /home/alfonzo/lab6/unattended-upgrades-dpkg.log
/home/alfonzo/lab6/alternatives.log /home/alfonzo/lab6/boottrap.log /home/alfonzo/lab6/gpu-manager.log /home/alfonzo/lab6/make.log /home/alfonzo/lab6/unattended-upgrades.log
/home/alfonzo/lab6/apache2-error.log /home/alfonzo/lab6/debugd.log /home/alfonzo/lab6/history.log /home/alfonzo/lab6/mpd.log /home/alfonzo/lab6/unattended-upgrades-shutdown.log
/home/alfonzo/lab6/apache22.log /home/alfonzo/lab6/dpkg.log /home/alfonzo/lab6/httpd404.log /home/alfonzo/lab6/tern.log
alfonzo@CIS106:~$ mkdir lab6/log-files
alfonzo@CIS106:~$ mv lab6/*.log lab6/log-files/
alfonzo@CIS106:~$
```

Question 2

```
alfonzo@CIS106:~$ ls -A lab6/.*?*
lab6/.appveyor.yml      lab6/.jscs.json
lab6/.auto-changelog    lab6/.jscsrc
lab6/.bash_history      lab6/.jshintignore
lab6/.bash_logout       lab6/.jshintrc
lab6/.bashrc            lab6/.keep
lab6/.blocks-log        lab6/.last_revision
lab6/.blocks-progress    lab6/.metadata-v2
lab6/.changed           lab6/.meta.isrunning
lab6/.cis106.png         lab6/.min-wd
lab6/.coveralls.yml     lab6/.npmignore
lab6/.dir-locals.el     lab6/.nycrc
lab6/.editorconfig      lab6/.padding
lab6/.envrc             lab6/.parentlock
lab6/.eslintignore      lab6/.prettierignore
lab6/.eslinttrc         lab6/.prettierrc.yaml
lab6/.eslinttrc.js      lab6/.profile
lab6/.eslinttrc.json    lab6/.sudo_as_admin_successful
lab6/.eslinttrc.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-svga-x11.pid
lab6/.hidden            lab6/.vboxclient-draganddrop.pid
lab6/.htaccess          lab6/.vboxclient-seamless.pid
lab6/.istanbul.yml      lab6/.vsixmanifest
```

```
alfonzo@CIS106:~$ ls -A lab6/.??*
lab6/.appveyor.yml      lab6/.jscs.json
lab6/.auto-changelog    lab6/.jscsrc
lab6/.bash_history      lab6/.jshintignore
lab6/.bash_logout       lab6/.jshintrc
lab6/.bashrc            lab6/.keep
lab6/.blocks-log        lab6/.last_revision
lab6/.blocks-progress   lab6/.metadata-v2
lab6/.changed           lab6/.meta.isrunning
lab6/.cis106.png        lab6/.min-wd
lab6/.coveralls.yml     lab6/.npmignore
lab6/.dir-locals.el     lab6/.nycrc
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/.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-svga-x11.pid
lab6/.hidden            lab6/.vboxclient-draganddrop.pid
lab6/.htaccess          lab6/.vboxclient-seamless.pid
lab6/.istanbul.yml      lab6/.vsixmanifest
```

```
alfonzo@CIS106:~$ 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
alfonzo@CIS106:~$ ls lab6/l?[st]*
lab6/last.txt lab6/list.txt lab6/lost.txt
alfonzo@CIS106:~$ ls 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
alfonzo@CIS106:~$
```

Question 3

```
alfonzo@CIS106:~$ ls lab6/[A-Z]*
lab6/Document.doc  lab6/Expenses.xls
alfonzo@CIS106:~$ ls lab6/[A-Z0-9]*
lab6/25Games.lst  lab6/Document.doc  lab6/Expenses.xls
alfonzo@CIS106:~$ 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
alfonzo@CIS106:~$ la 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
alfonzo@CIS106:~$
```

Question 4

```
alfonzo@CIS106:~$ cd lab6/
alfonzo@CIS106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
alfonzo@CIS106:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k

```

4 directories, 0 files

```
alfonzo@CIS106:~/lab6$
```

```
alfonzo@CIS106:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
alfonzo@CIS106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

```

6 directories, 0 files

```
alfonzo@CIS106:~/lab6$
```

```
alfonzo@CIS106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
alfonzo@CIS106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
7 directories, 0 files
alfonzo@CIS106:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
alfonzo@CIS106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
alfonzo@CIS106:~/lab6$
```

```
alfonzo@CIS106:~/lab6$ mkdir -p research/{books/{math,science}/{epub,pdf},magazines/{computers,running,videogames}/{fanmade,official}}/
alfonzo@CIS106:~/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
```

Question 5

```
alfonzo@CIS106:~$ mkdir lab6-q5
alfonzo@CIS106:~$ cd /
alfonzo@CIS106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
alfonzo@CIS106:/$ tree ~/lab6-q5/
/home/alfonzo/lab6-q5/
├── data.xls
├── people.csv
└── program.py
0 directories, 3 files
alfonzo@CIS106:/$ cd usr/share/
alfonzo@CIS106:/usr/share$ mkdir ~/lab6-q5/movies
alfonzo@CIS106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,mарvel.txt,disney.doc}
alfonzo@CIS106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv} ~/lab6-q5/movies/{disney.doc,mарvel.txt}
rm: cannot remove '/home/alfonzo/lab6-q5/people.csv': No such file or directory
alfonzo@CIS106:/usr/share$ ls ~/lab6-q5/movies/
movies.lst
```

Question 6

```

alfonzo@CIS106:~$ 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   3090      0 --:--:-- --:--:-- --:--:--  3090
alfonzo@CIS106:~$ mkdir -p challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}}
alfonzo@CIS106:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   └── mp3
├── docs
│   ├── docx
│   ├── pdf
│   └── xls
├── docs1.doc
├── docs1.docx
├── docs1.pdf
├── docs2.doc
├── docs2.docx
├── docs2.pdf
├── docs3.doc
├── docs3.docx
├── docs3.pdf
├── image1.gif
├── image1.jpg
├── image1.png
├── image2.gif
├── image2.jpg
├── image2.png
├── image3.gif
├── image3.jpg
├── image3.png
├── images
│   ├── jpg
│   └── png
├── programs.go
├── programs.py
├── programs.rb
├── programs.sh
├── song1.aac
├── song1.mp3
├── song2.aac
├── song2.mp3
├── song3.aac
└── song3.mp3

```

```

alfonzo@CIS106:~/challenge-Lab6$ mv *.doc ~/challenge-Lab6/docs/
alfonzo@CIS106:~/challenge-Lab6$ mv *.docx ~/challenge-Lab6/docs/docx/
alfonzo@CIS106:~/challenge-Lab6$ mv *.pdf ~/challenge-Lab6/docs/pdf/
alfonzo@CIS106:~/challenge-Lab6$ mv *.jpg ~/challenge-Lab6/images/jpg/
alfonzo@CIS106:~/challenge-Lab6$ mv *.png ~/challenge-Lab6/images/png/
alfonzo@CIS106:~/challenge-Lab6$ mv *.gif ~/challenge-Lab6/images/
alfonzo@CIS106:~/challenge-Lab6$ mv *.aac ~/challenge-Lab6/audio/aac/
alfonzo@CIS106:~/challenge-Lab6$ mv *.mp3 ~/challenge-Lab6/audio/mp3/
alfonzo@CIS106:~/challenge-Lab6$ tree challenge-Lab6/

```

```
alfonzo@CIS106:~/challenge-Lab6$ tree
```

```
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   ├── song2.aac
│   │   └── song3.aac
│   └── mp3
│       ├── song1.mp3
│       ├── song2.mp3
│       └── song3.mp3
├── 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
├── programs.go
├── programs.py
├── programs.rb
└── programs.sh
```

```
10 directories, 28 files
```