

# Lab 6

## Question 1

```
1: evreynoso@cis106: ~ ▾

evreynoso@cis106:~$ ls lab6/*.log
lab6/88_Application-log.log lab6/kern.log
lab6/alternatives.log lab6/luahbtex.log
lab6/apache01-error.log lab6/luatex.log
lab6/apache22.log lab6/mf.log
lab6/auth.log lab6/pdfetex.log
lab6/bootstrap.log lab6/pdftex.log
lab6/casper.log lab6/term.log
lab6/dpkg.log lab6/tex.log
lab6/dvluatex.log lab6/ubuntu-advantage.log
lab6/etex.log lab6/unattended-upgrades-dpkg.log
lab6/fontconfig.log lab6/unattended-upgrades.log
lab6/gpu-manager.log lab6/unattended-upgrades-shutdown.log
lab6/history.log lab6/updmap.log
lab6/http404.log lab6/vboxadd-setup.log

evreynoso@cis106:~$ mkdir lab6/log-files
evreynoso@cis106:~$ mv lab6/*.log lab6/log-files/
evreynoso@cis106:~$ ls /etc/*conf
/etc/adduser.conf /etc/host.conf /etc/pnm2ppa.conf
/etc/apg.conf /etc/inxi.conf /etc/resolv.conf
/etc/appstream.conf /etc/kernel-img.conf /etc/rsyslog.conf
/etc/brltty.conf /etc/kerneloops.conf /etc/rygel.conf
/etc/ca-certificates.conf /etc/ld.so.conf /etc/sensors3.conf
/etc/debconf.conf /etc/libao.conf /etc/sudo.conf
/etc/deluser.conf /etc/libaudit.conf /etc/sudo_logsrvd.conf
/etc/e2scrub.conf /etc/logrotate.conf /etc/sysctl.conf
/etc/fprindtd.conf /etc/mke2fs.conf /etc/ucf.conf

db profile
evreynoso@cis106:~$ ls -lSgH --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 08/07/23 /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
evreynoso@cis106:~$
```

## Question 2

```

evreynoso@cis106:~/lab6$ ls .??*
.auto-changelog      .~lock.LibreOffice.pdf.odt#
.babelrc             metadata-v2
.bash_history        .meta.isrunning
.bash_logout         .mh_sequences
.bashrc              .migrated
.changed            .min-wd
.cis106.png          .npmignore
.claws_cache         .nycrc
.claws_mark          .org.chromium.Chromium.73AgAt
.claws_tags          .org.chromium.Chromium.83vUMk
.coveralls.yml       .org.chromium.Chromium.RpZd6a
.dir-locals.el       .org.chromium.Chromium.XH8iXr
.editorconfig        .org.chromium.Chromium.y29B59
.eslintignore        .padding
.eslintrc            .pam_environment
.eslintrc.js         .parentlock
.eslintrc.json       .profile
.eslintrc.yml        .sudo_as_admin_successful
.gitattributes       .tern-project
.gitconfig           .testignore
.gitkeep            .tm_properties
.gitmodules          .tonic_example.js
.gsd-keyboard.settings-ported .travis.yml
.hidden             .uuid
.htaccess           .vboxclient-clipboard-tty2-control.pid
.istanbul.yml       .vboxclient-clipboard-tty2-service.pid

```

```

.eslintrc.json       .profile
.eslintrc.yml        .sudo_as_admin_successful
.gitattributes       .tern-project
.gitconfig           .testignore
.gitkeep            .tm_properties
.gitmodules          .tonic_example.js
.gsd-keyboard.settings-ported .travis.yml
.hidden             .uuid
.htaccess           .vboxclient-clipboard-tty2-control.pid
.istanbul.yml       .vboxclient-clipboard-tty2-service.pid
.jscs.json          .vboxclient-draganddrop-tty2-control.pid
.jscsrc             .vboxclient-draganddrop-tty2-service.pid
.jshintignore        .vboxclient-hostversion-tty2-control.pid
.jshintrc           .vboxclient-seamless-tty2-control.pid
.keep              .vboxclient-seamless-tty2-service.pid
.last_revision      .vboxclient-vmvga-session-tty2-control.pid
.lessshst           .vboxclient-vmvga-session-tty2-service.pid
.lint               .vsixmanifest
.~lock.LibreOffice.pdf.odt#
evreynoso@cis106:~/lab6$ ls -A *.*?
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
evreynoso@cis106:~/lab6$ ls l?st*
last.txt list.txt lost.txt
evreynoso@cis106:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
evreynoso@cis106:~/lab6$

```

## Question 3

```

evreynoso@cis106:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
evreynoso@cis106:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
evreynoso@cis106:~/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
evreynoso@cis106:~/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
evreynoso@cis106:~/lab6$

```

## Question 4

```

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

```

```

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

```

```
evreynoso@cis106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
evreynoso@cis106:~/lab6$ touch docs /books/{history,math}/{fall,spring}/book.pdf
evreynoso@cis106:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
evreynoso@cis106:~/lab6$ tree docs/
```

books

- history
  - fall
    - book.pdf
  - spring
    - book.pdf
- math
  - fall
    - book.pdf
  - spring
    - book.pdf

7 directories, 4 files

Lab 7 - Handling Files

**IMPORTANT!!! READ ME!!!!**

Before working on this lab, run this command:

```
curl -https://cis106.com/courses/lab6.sh -o lab6.sh
```

This will create a directory called lab6 in your home directory

**Question 1 | Using the \* Wildcard**

```
1: evreynoso@cis106: /usr/share
evreynoso@cis106:~/lab6$ mkdir ~/lab5-q5
evreynoso@cis106:~/lab6$ cd /
evreynoso@cis106:/$ touch ~/lab5-q5/{program.py,people.csv,data.xls}
evreynoso@cis106:/$ cd /usr/share
evreynoso@cis106:/usr/share$ mkdir ~/lab5-q5/movies
evreynoso@cis106:/usr/share$ touch ~/lab5-q5/movies/{movies.lst,movie.txt,disney.doc}
evreynoso@cis106:/usr/share$ rm ~/lab5-q5/{program.py,people.csv,movies/{movie.txt,disney.doc}}
evreynoso@cis106:/usr/share$ tree ~/lab5-q5/
```

data.xls

- movies
  - movies.lst

1 directory, 2 files

Note: Wildcards are all about pattern matching. They can be combined to match pretty much anything you will never forget them. The table above gives you a summary of this lab is to give you enough practice for you to master wildcards. They can be combined to match pretty much anything you will never forget them.

**IMPORTANT!!! READ ME!!!!**

Before working on this lab, run this command:

```
curl -https://cis106.com/courses/lab6.sh -o lab6.sh
```

Question 5 Challenge

```
evreynoso@cis106:~/challenge-Lab6$ mkdir -p audio/{acc,mp3} docs/{docx,pdf,xls} images/{jpg,png,gif} program/{go,py,rb,sh}
evreynoso@cis106:~/challenge-Lab6$ mv *.sh program/sh/
evreynoso@cis106:~/challenge-Lab6$ mv *.rb program/rb/
evreynoso@cis106:~/challenge-Lab6$ mv *.py program/py/
evreynoso@cis106:~/challenge-Lab6$ mv *.go program/go/
evreynoso@cis106:~/challenge-Lab6$ mv *.gif images/gif/
evreynoso@cis106:~/challenge-Lab6$ mv *.png images/png/
evreynoso@cis106:~/challenge-Lab6$ mv *.jpg images/jpg/
evreynoso@cis106:~/challenge-Lab6$ mv *.pdf docs/pdf/
evreynoso@cis106:~/challenge-Lab6$ mv *.docx docs/docx/
evreynoso@cis106:~/challenge-Lab6$ mv *.mp3 audio/mp3/
evreynoso@cis106:~/challenge-Lab6$ mv *.aac audio/acc/
evreynoso@cis106:~/challenge-Lab6$ tree
```

```
tree
├── audio
│   ├── acc
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   └── docs1.pdf
│   └── xls
├── images
│   ├── gif
│   ├── jpg
│   ├── png
│   └── xls
└── program
    ├── go
    ├── py
    ├── rb
    └── sh
```

```
tree
├── docx
│   ├── docs1.docx
│   └── docs2.docx
├── pdf
│   ├── docs1.pdf
│   └── docs2.pdf
├── xls
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   ├── png
│   │   ├── image1.png
│   │   └── image2.png
│   └── xls
└── program
    ├── go
    │   └── program.go
    ├── py
    │   └── program.py
    ├── rb
    │   └── program.rb
    └── sh
        └── program.sh
```