Lab 6 Wildcards

Question 1

```
ssgunthrope@cis106vm:~/lab6$ ls *.log
88_Application-log.log   dpkg.log          kern.log          tex.log
alternatives.log        dviluatex.log     luahbtex.log      ubuntu-advantage.log
apache01-error.log      etex.log          luatex.log        unattended-upgrades-dpkg.log
apache22.log            fontconfig.log    mf.log            unattended-upgrades.log
auth.log                gpu-manager.log   pdfetex.log       unattended-upgrades-shutdown.log
bootstrap.log           history.log       pdftex.log        updmap.log
casper.log              http404.log       term.log          vboxadd-setup.log
ssgunthrope@cis106vm:~/lab6$ mkdir log-files
ssgunthrope@cis106vm:~/lab6$ cd
ssgunthrope@cis106vm:~$ ls lab6/*.log lab6/log-files/
lab6/88_Application-log.log   lab6/fontconfig.log      lab6/term.log
lab6/alternatives.log         lab6/gpu-manager.log     lab6/tex.log
lab6/apache01-error.log       lab6/history.log         lab6/ubuntu-advantage.log
lab6/apache22.log             lab6/http404.log         lab6/unattended-upgrades-dpkg.log
lab6/auth.log                 lab6/kern.log            lab6/unattended-upgrades.log
lab6/bootstrap.log            lab6/luahbtex.log        lab6/unattended-upgrades-shutdown.log
lab6/casper.log               lab6/luatex.log          lab6/updmap.log
lab6/dpkg.log                 lab6/mf.log              lab6/vboxadd-setup.log
lab6/dviluatex.log            lab6/pdfetex.log
lab6/etex.log                 lab6/pdftex.log

lab6/log-files/:
ssgunthrope@cis106vm:~$ mv lab6/*.log lab6/log-files/
ssgunthrope@cis106vm:~$ ls /etc/*.conf
/etc/adduser.conf          /etc/hdparm.conf         /etc/pam.conf
/etc/apg.conf              /etc/host.conf           /etc/pnm2ppa.conf
/etc/appstream.conf        /etc/inxi.conf           /etc/resolv.conf
/etc/brltty.conf           /etc/kernel-img.conf     /etc/rsyslog.conf
/etc/ca-certificates.conf  /etc/kerneloops.conf     /etc/rygel.conf
/etc/dante.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/fprintd.conf          /etc/mke2fs.conf         /etc/ucf.conf
/etc/fuse.conf             /etc/nftables.conf       /etc/usb_modeswitch.conf
/etc/gai.conf              /etc/nsswitch.conf       /etc/xattr.conf
```

```
sgunthrope@cis106vm:~$ ls -lSgGh --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
sgunthrope@cis106vm:~$
```

Question 2

```
ssgunthrope@cis106vm:~$ ls lab6/.??*
lab6/.auto-changelog            lab6/.jshintignore
lab6/.babelrc                   lab6/.jshintrc
lab6/.bash_aliases              lab6/.keep
lab6/.bash_history              lab6/.last_revision
lab6/.bash_logout               lab6/.lesshst
lab6/.bashrc                    lab6/.lint
lab6/.changed                   lab6/.metadata-v2
lab6/.cis106.png                lab6/.meta.isrunning
lab6/.coveralls.yml             lab6/.migrated
lab6/.dir-locals.el             lab6/.min-wd
lab6/.editorconfig              lab6/.npmignore
lab6/.eslintignore              lab6/.nycrc
lab6/.eslintrc                  lab6/.padding
lab6/.eslintrc.js               lab6/.parentlock
lab6/.eslintrc.json             lab6/.profile
lab6/.eslintrc.yml              lab6/.sudo_as_admin_successful
lab6/.gitattributes             lab6/.tern-project
lab6/.gitconfig                 lab6/.testignore
lab6/.gitignore                 lab6/.textFiles
lab6/.gitkeep                   lab6/.tm_properties
lab6/.gitmodules                lab6/.tonic_example.js
lab6/.gsd-keyboard.settings-ported  lab6/.travis.yml
lab6/.hidden                    lab6/.uuid
lab6/.hidden1.doc               lab6/.vboxclient-clipboard-tty2-control.pid
lab6/.hidden1.py                lab6/.vboxclient-clipboard-tty2-service.pid
lab6/.hidden2.doc               lab6/.vboxclient-draganddrop-tty2-control.pid
lab6/.hidden2.py                lab6/.vboxclient-draganddrop-tty2-service.pid
lab6/.hidden_file               lab6/.vboxclient-hostversion-tty2-control.pid
lab6/.hiddenFile.txt            lab6/.vboxclient-seamless-tty2-control.pid
lab6/.htaccess                  lab6/.vboxclient-seamless-tty2-service.pid
lab6/.istanbul.yml              lab6/.vboxclient-vmsvga-session-tty2-control.pid
lab6/.jscs.json                 lab6/.vboxclient-vmsvga-session-tty2-service.pid
lab6/.jscsrc                    lab6/.vsixmanifest
ssgunthrope@cis106vm:~$ 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
ssgunthrope@cis106vm:~$ ls lab6/l?st*
lab6/last.txt  lab6/list.txt  lab6/lost.txt
ssgunthrope@cis106vm:~$ cd lab6/
ssgunthrope@cis106vm:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
```

Question 3

```
ssgunthrope@cis106vm:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
ssgunthrope@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
ssgunthrope@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
ssgunthrope@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
ssgunthrope@cis106vm:~/lab6$ _
```

Question 4

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

```
ssgunthrope@cis106vm:~/lab6$ mkdir -p assets/imgs/{large,small} assets/video/{large,small}
ssgunthrope@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
```

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

7 directories, 0 files
ssgunthrope@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
```

```
ssgunthrope@cis106vm:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf
```

```
ssgunthrope@cis106vm:~/lab6$ mkdir ~/lab6-q5
ssgunthrope@cis106vm:~/lab6$ cd /
ssgunthrope@cis106vm:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
ssgunthrope@cis106vm:/$ cd /usr/share/
ssgunthrope@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
ssgunthrope@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
ssgunthrope@cis106vm:/usr/share$ rm ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
```