

Lab 6 Wildcards

Question 1

```
rkabir@cis106:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/ca-certificates.conf  /etc/crontab.conf      /etc/dmcc.conf          /etc/dmcc.conf          /etc/dmcc.conf          /etc/dmcc.conf          /etc/dmcc.conf          /etc/dmcc.conf          /etc/dmcc.conf
/etc/appstream.conf    /etc/cdebconf.conf         /etc/fuse.conf          /etc/inxi.conf          /etc/libao.conf          /etc/mke2fs.conf        /etc/pam.conf           /etc/rsyslog.conf       /etc/ufc.conf
/etc/appstream.conf    /etc/deluser.conf          /etc/gai.conf           /etc/kernel-img.conf    /etc/libaudit.conf       /etc/mtopools.conf      /etc/popularity-contest.conf /etc/sensors3.conf      /etc/xattr.conf
/etc/brltty.conf       /etc/e2scrub.conf          /etc/hdparm.conf        /etc/kerneloops.conf    /etc/logrotate.conf      /etc/nsswitch.conf       /etc/resolv.conf        /etc/sysctl.conf
rkabir@cis106:~$ ls -lgHs --time-style=+%d /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 19 /etc/pnm2ppa.conf
-rw-r--r-- 1 5.0K 21 /etc/hdparm.conf
-rw-r--r-- 1 552 17 /etc/pam.conf
-rw-rw-r-- 1 350 22 /etc/popularity-contest.conf
-rw-r--r-- 1 92 05 /etc/host.conf
rkabir@cis106:~$ ls /usr/share/themes/*.the
ls: cannot access '/usr/share/themes/*.the': No such file or directory
rkabir@cis106:~$ ls /usr/share/themes/
Adwaita  Adwaita-dark  Default  Emacs  HighContrast  Raleigh  Yaru  Yaru-dark  Yaru-light
rkabir@cis106:~$ cd /lab6
bash: cd: /lab6: No such file or directory
rkabir@cis106:~$ mkdir lab6/log-files
rkabir@cis106:~$ mv lab6/*.log lab6/log-files/
rkabir@cis106:~$
```

Question 2

```
rkabir@cis106:~$ ls -A lab6/.*
lab6/.appveyor.yml      lab6/.changed             lab6/.eslintrc            lab6/.gitkeep            lab6/.jscsrc              lab6/.min-wd              lab6/.profile             lab6/.vboxclient-clipboard.pid
lab6/.auto-changelogs   lab6/.cis106.png          lab6/.eslintrc.js         lab6/.gitmodules         lab6/.jshintignore        lab6/.npmignore           lab6/.startup-incomplete  lab6/.vboxclient-display-svga-x11.pid
lab6/.bash_history      lab6/.coveralls.yml       lab6/.eslintrc.json       lab6/.goutputstream-T22R11 lab6/.jshintignore        lab6/.nycrc               lab6/.sudo_as_admin_successful lab6/.vboxclient-draganddrop.pid
lab6/.bash_logout       lab6/.dir-locals.el       lab6/.eslintrc.yml        lab6/.hidden             lab6/.keep                lab6/.padding             lab6/.tern-project        lab6/.vboxclient-seamless.pid
lab6/.bashrc            lab6/.editorconfig        lab6/.gitattributes        lab6/.htaccess            lab6/.last-revision       lab6/.parentlock          lab6/.tm-properties       lab6/.vsixmanifest
lab6/.blocks-log        lab6/.envrc               lab6/.gitconfig           lab6/.istanbul.yml        lab6/.meta.isrunning      lab6/.prettierrc.yaml     lab6/.tonic-example.js    lab6/.vsixmanifest
lab6/.blocks-progress   lab6/.eslintignore        lab6/.gitignore           lab6/.jscs.json          lab6/.meta.isrunning      lab6/.prettierrc.yaml     lab6/.travis.yml
rkabir@cis106:~$

rkabir@cis106:~$ ls -A lab6/
5Games.lst             .blocks-log             .editorconfig           Expenses.xls             .gitattributes          .htaccess               .last-revision          .min-wd                 .profile                trip22-info.doc
pache03.err            .blocks-progress        .envrc                  file_00.sh              .gitconfig              .istanbul.yml           last.txt                .npmignore              .startup-incomplete    .vboxclient-clipboard.pid
appveyor.yml           .changed                .eslintrc               file_01.sh              .gitignore              .jscsrc                 list.txt                .nycrc                  .sudo_as_admin_successful .vboxclient-display-svga-x11.pid
auto-changelogs        .cis106.png             .eslintrc               file_02.sh              .gitkeep                .jshintignore            log-files               .padding                .tern-project          .vboxclient-draganddrop.pid
bash_history            .coveralls.yml          .eslintrc.js            file_03.sh              .gitmodules             .jshintignore            lost.txt                .parentlock             .tm-properties         .vboxclient-seamless.pid
bash_logout            .dir-locals.el          .eslintrc.json          file_04.sh              .goutputstream-T22R11   .jshintignore            .metadata-v2            .prettierrc             .tonic-example.js      .vsixmanifest
bashrc                 Document.doc             .eslintrc.yml           file_05.sh              .hidden                  .keep                   .meta.isrunning        .prettierrc.yaml        .travis.yml
rkabir@cis106:~$
rkabir@cis106:~$ ls -A lab6/.*
lab6/file_00.sh lab6/file_01.sh lab6/file_02.sh lab6/file_03.sh lab6/file_04.sh lab6/file_05.sh
rkabir@cis106:~$ ls -A lab6/*.*
ls: cannot access 'lab6/*.*': No such file or directory
rkabir@cis106:~$ ls -A lab6/*.*
lab6/25Games.lst
rkabir@cis106:~$ ls -A lab6/*.*
lab6/file_00.sh lab6/file_01.sh lab6/file_02.sh lab6/file_03.sh lab6/file_04.sh lab6/file_05.sh
rkabir@cis106:~$
```

Question 3

```
rkabir@cis106:~$ ls lab6/[A-Z]*
lab6/Document.doc lab6/Expenses.xls
rkabir@cis106:~$ ls lab6/[A-Z]*
ls: cannot access 'lab6/[A-Z]*': No such file or directory
rkabir@cis106:~$ ls lab6/[A-Z]*
lab6/25Games.lst lab6/Document.doc lab6/Expenses.xls
rkabir@cis106:~$ ls lab6/*[0-9]*
lab6/25Games.lst lab6/apache03.err lab6/file_00.sh lab6/file_01.sh lab6/file_02.sh lab6/file_03.sh lab6/file_04.sh lab6/file_05.sh lab6/trip22-info.doc
rkabir@cis106:~$ ls lab6/[a-z0-9]*
lab6/25Games.lst lab6/apache03.err lab6/file_00.sh lab6/file_01.sh lab6/file_02.sh lab6/file_03.sh lab6/file_04.sh lab6/file_05.sh lab6/last.txt lab6/list.txt lab6/lost.txt lab6/trip22-info.doc
rkabir@cis106:~$
lab6/log-files:
88_Application-log.log  alternatives.log  apache22.log  bootstrap.log  error.log  gpu-manager.log  http404.log  make.log  term.log  unattended-upgrades.log
access.log              apache01-error.log  auth.log      dpkg.log       fontconfig.log  history.log     kern.log     other_vhosts_access.log  unattended-upgrades-dpkg.log  unattended-upgrades-shutdown.log
rkabir@cis106:~$
```

Question 4

```
rkabir@cis106:~$ cd lab6/
rkabir@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
rkabir@cis106:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k

```

4 directories, 0 files

```
rkabir@cis106:~/lab6$
```

```
rkabir@cis106:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
rkabir@cis106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

```

6 directories, 0 files

```
rkabir@cis106:~/lab6$
```

```
rkabir@cis106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
rkabir@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
└── 7 directories, 0 files

rkabir@cis106:~/lab6$ mkdir touch docs/books/{history,math}/{fall,spring}/book.pdf
rkabir@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
└── 11 directories, 0 files

rkabir@cis106:~/lab6$
```

```
rkabir@cis106:~/lab6$ mkdir -p research/{books/{math,science}/{epub,pdf},magazines/{computers,runung,videogames}/{fanmade,official}}/
rkabir@cis106:~/lab6$ tree research/
research/
├── books
│   ├── math
│   │   ├── epub
│   │   └── pdf
│   └── science
│       ├── epub
│       └── pdf
└── magazines
    ├── computers
    │   ├── fanmade
    │   └── official
    ├── runung
    │   ├── fanmade
    │   └── official
    └── videogames
        ├── fanmade
        └── official

17 directories, 0 files
rkabir@cis106:~/lab6$
rkabir@cis106:~/lab6$
```

```
rkabir@cis106:~$ mkdir lab6-q5
rkabir@cis106:~$ cd /
rkabir@cis106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$
rkabir@cis106:/$ tree ~/lab6-q5/
/home/rkabir/lab6-q5/
├── data.xls
├── people.csv
└── program.py

0 directories, 3 files
rkabir@cis106:/$ cd usr/share/
rkabir@cis106:/usr/share$ mkdir ~/lab6-q5/movies
rkabir@cis106:/usr/share$ touch ~/lab6-q5/movies/movies.lst,marvel.txt,disney.doc}
rkabir@cis106:/usr/share$ rm ~/lab6-q5/{program.py ~/lab6-q5/movies/{people.csv,disney.doc,marvel.txt}
rm: cannot remove '/home/rkabir/lab6-q5/{program.py': No such file or directory
rm: cannot remove '/home/rkabir/lab6-q5/movies/people.csv': No such file or directory
rm: cannot remove '/home/rkabir/lab6-q5/movies/disney.doc': No such file or directory
rm: cannot remove '/home/rkabir/lab6-q5/movies/marvel.txt': No such file or directory
rkabir@cis106:/usr/share$
```

Challenge Question

```
rkabir@cis106:~$ curl https://cis106.com/assets/lab6cq.sh | bash
% Total % Received % Xferd Average Speed Time Time Current
Dload Upload Total Spent Left Speed
00 170 100 170 0 0 1133 0 --:--:-- --:--:-- --:--:-- 1133
rkabir@cis106:~$ ls
challenge-Lab6 Documents lab5 lab5-docs lab6 Pictures snap
cis106 Downloads lab5-audio lab5-imgs lab6-q5 Public Templates
desktop lab4files lab5ChallengeQuestion lab5-video Music site.html Videos
rkabir@cis106:~$ cd challenge-Lab6/
rkabir@cis106:~/challenge-Lab6$ ls
docs1.doc docs2.docx docs3.pdf image2.gif image3.jpg programs.rb song2.aac
docs1.docx docs2.pdf image1.gif image2.jpg image3.png programs.sh song2.mp3
docs1.pdf docs3.doc image1.jpg image2.png programs.go song1.aac song3.aac
docs2.doc docs3.docx image1.png image3.gif programs.py song1.mp3 song3.mp3
rkabir@cis106:~/challenge-Lab6$ mkdir -p challenge-Lab6/{audio/{aac,mp3}/{aac-files,mp3-files},docs/{docx,pdf,xls}/{docs-files,pdf-files,xls-files},images/{jpg,png}/{all-jpg,all-png}}/
rkabir@cis106:~/challenge-Lab6$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   │   ├── aac-files
│   │   └── mp3-files
│   └── mp3
│       ├── aac-files
│       └── mp3-files
├── docs
│   ├── docx
│   │   ├── docs-files
│   │   ├── pdf-files
│   │   └── xls-files
│   ├── pdf
│   │   ├── docs-files
│   │   ├── pdf-files
│   │   └── xls-files
│   └── xls
│       ├── docs-files
│       ├── pdf-files
│       └── xls-files
└── images
    ├── jpg
    │   ├── all-jpg
    │   └── all-png
    └── png
        ├── all-jpg
        └── all-png

27 directories, 0 files
rkabir@cis106:~/challenge-Lab6$
```