

# Lab 6

## Question 1

```
1/1  +  [ ]  [ ]  TiliX: aaelbakly@cis106: ~  
1: aaelbakly@cis106: ~  
aaelbakly@cis106:~$ ls lab6/*.log  
lab6/88_Application-log.log  lab6/http404.log  
lab6/alternatives.log       lab6/kern.log  
lab6/apache01-error.log     lab6/luahbtex.log  
lab6/apache22.log           lab6/luatex.log  
lab6/apport.log             lab6/mf.log  
lab6/auth.log               lab6/pdfetex.log  
lab6/bootstrap.log          lab6/pdftex.log  
lab6/cloud-init.log         lab6/sysinfo.log  
lab6/cloud-init-output.log  lab6/term.log  
lab6/curtin-install.log     lab6/tex.log  
lab6/discover.log           lab6/ubuntu-advantage.log  
lab6/dpkg.log               lab6/unattended-upgrades-dpkg.log  
lab6/dvluatex.log           lab6/unattended-upgrades.log  
lab6/etex.log               lab6/unattended-upgrades-shutdown.log  
lab6/fontconfig.log         lab6/updmap.log  
lab6/history.log  
aaelbakly@cis106:~$ mkdir lab6/log-files  
aaelbakly@cis106:~$ mv lab6/*.log lab6/log-files/  
aaelbakly@cis106:~$ 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/kernelloops.conf    /etc/resolv.conf  
/etc/brltty.conf           /etc/ld.so.conf           /etc/rsyslog.conf  
/etc/ca-certificates.conf  /etc/libao.conf           /etc/rygel.conf  
/etc/debconf.conf          /etc/libaudit.conf        /etc/sensors3.conf  
/etc/deluser.conf          /etc/logrotate.conf       /etc/sudo.conf  
/etc/e2scrub.conf          /etc/mke2fs.conf          /etc/sudo_logsrvd.conf  
/etc/fprintd.conf          /etc/multipath.conf       /etc/sysctl.conf  
/etc/fuse.conf             /etc/nftables.conf        /etc/ucf.conf  
/etc/gai.conf              /etc/nsswitch.conf        /etc/usb_modeswitch.conf  
/etc/hdparm.conf           /etc/overlayroot.conf     /etc/xattr.conf  
aaelbakly@cis106:~$ ls -lSgH --time-style=+%D /etc/h*.conf /etc/p*.conf  
-rw-r--r-- 1 7.5K 02/12/24 /etc/pnm2ppa.conf  
-rw-r--r-- 1 4.4K 12/15/20 /etc/hdparm.conf  
-rw-r--r-- 1 552 08/12/20 /etc/pam.conf  
-rw-r--r-- 1 92 10/15/21 /etc/host.conf  
aaelbakly@cis106:~$
```

## Question 2

```
1/1 + [Tilix: aaelbakly@cis106: ~/lab6] Q [ ] [X]
1: aaelbakly@cis106: ~/lab6
aaelbakly@cis106:~/lab6$ ls .??*
.bash_history      .gitmodules        .org.chromium.Chromium.9WNrup
.bash_logout       .gsd-keyboard.settings-ported .parentlock
.bashrc            .htaccess          .prettierignore
.changed           .ignore            .prettierrc.yaml
.coveralls.yml     .jscs.json         .profile
.dir-locals.el     .jshintrc          .releaserc.json
.editorconfig      .keep              .spmignore
.eslintignore      .last_revision     .sudo_as_admin_successful
.eslintrc          .lessshst          .tern-project
.eslintrc.js        .metadata-v2       .tm_properties
.eslintrc.json     .meta.isrunning    .tonic_example.js
.eslintrc.yml       .min-wd            .travis.yml
.gitattributes     .npmignore         .vsixmanifest
.gitconfig         .nycrc
.gitkeep
aaelbakly@cis106:~/lab6$ ls -A *.*?
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
aaelbakly@cis106:~/lab6$ ls l?st*
last.txt list.txt lost.txt
aaelbakly@cis106:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
aaelbakly@cis106:~/lab6$
```

### Question 3

```
1/1 + [Tilix: aaelbakly@cis106: ~/lab6] Q [ ] [X]
1: aaelbakly@cis106: ~/lab6
aaelbakly@cis106:~/lab6$ ls [A-Z]*
Document.doc Expenses.xls
aaelbakly@cis106:~/lab6$ ls [A-Z0-9]*
25Games.lst Document.doc Expenses.xls
aaelbakly@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
aaelbakly@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
aaelbakly@cis106:~/lab6$
```

### Question 4

```
1/1  +  [T] [C]  Tilix: aaelbakly@cis106: ~/lab6  [Q] [≡] [−] [□] [X]

1: aaelbakly@cis106: ~/lab6  [□] [X]

aaelbakly@cis106:~/lab6$ rm -r wallpapers/
aaelbakly@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
aaelbakly@cis106:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
aaelbakly@cis106:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
aaelbakly@cis106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small
6 directories, 0 files
aaelbakly@cis106:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
aaelbakly@cis106:~/lab6$ touch docs/books/{his,math}/{fall,spring}/book.pdf
aaelbakly@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── his
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
aaelbakly@cis106:~/lab6$
```



```
1/1 + [ ] [ ] Tlilx: aaelbakly@cis106: /usr/share [ ] [ ] [ ] [ ]
1: aaelbakly@cis106: /usr/share
aaelbakly@cis106:~/lab6$ mkdir ~/lab6-q5
aaelbakly@cis106:~/lab6$ cd /
aaelbakly@cis106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
aaelbakly@cis106:/$ cd /usr/share/
aaelbakly@cis106:/usr/share$ mkdir ~/lab6-q5/movies
aaelbakly@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,movie.txt,disney.doc}
aaelbakly@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}}
aaelbakly@cis106:/usr/share$ tree ~/lab6-q5/
/home/aaelbakly/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
aaelbakly@cis106:/usr/share$
```

## Question 5 challenge

q5