

# Lab 6

## Question 1

```
1/1 + [icons] Tilix: richard@cis106: ~  
1: richard@cis106: ~  
richard@cis106:~$ ls lab6/*.* log  
lab6/88 Application-log.log lab6/apport.log lab6/dpkg.log lab6/gpu-manager.log lab6/luahbtex.log lab6/pdftex.log lab6/unattended-upgrades-dpkg.log lab6/vboxadd-setup.log  
lab6/alternatives.log lab6/auth.log lab6/dvluatex.log lab6/history.log lab6/luatex.log lab6/term.log lab6/unattended-upgrades.log lab6/unattended-upgrades-shutdown.log  
lab6/apache01-error.log lab6/bootstrap.log lab6/etex.log lab6/http04.log lab6/mf.log lab6/tex.log lab6/unattended-upgrades-shutdown.log  
lab6/apache22.log lab6/casper.log lab6/fontconfig.log lab6/kern.log lab6/pdfetex.log lab6/ubuntu-advantage.log lab6/updnap.log  
richard@cis106:~$ mkdir lab6/log-files  
richard@cis106:~$ mv lab6/*.* log/ lab6/log-files/  
mv: cannot stat 'lab6/*.* log/': No such file or directory  
richard@cis106:~$ mv lab6/*.* log lab6/log-files/  
richard@cis106:~$ ls /etc/*.* conf  
/etc/adduser.conf /etc/ca-certificates.conf /etc/fprind.conf /etc/host.conf /etc/ld.so.conf /etc/nke2fs.conf /etc/pnm2ppa.conf /etc/sensors3.conf /etc/ucf.conf  
/etc/appg.conf /etc/debconf.conf /etc/fuse.conf /etc/lnxl.conf /etc/libao.conf /etc/nftables.conf /etc/resolv.conf /etc/sudo.conf /etc/usb_modeswitch.conf  
/etc/appstream.conf /etc/deluser.conf /etc/gai.conf /etc/kernel-ling.conf /etc/libaudit.conf /etc/nsswitch.conf /etc/rsyslog.conf /etc/sudo_logsrvd.conf /etc/xattr.conf  
/etc/brltty.conf /etc/e2scrub.conf /etc/hdparm.conf /etc/kernel-loops.conf /etc/logrotate.conf /etc/nsswitch.conf /etc/rsyslog.conf /etc/sudo_logsrvd.conf /etc/xattr.conf  
richard@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  
richard@cis106:~$
```

## Question 2

```
1/1 + [icons] Tilix: richard@cis106: ~/lab6  
1: richard@cis106: ~/lab6  
richard@cis106:~/lab6$ ls -??*  
.auto-changelog .eslintrc .hidden .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.babelrc .eslintrc .hidden .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.bash_history .eslintrc.json .hidden1.doc .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.bashrc .eslintrc .yaml .hidden2.doc .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.changed .gitattributes .hidden2.py .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.coveralls.yml .gitconfig .hiddenFile.txt .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.dir-locales.el .gitkeep .htaccess .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
.editorconfig .gitmodules .ignore .jshintrc .keep .last_reviston .lessht .prettierrc .yaml .profile .vboxclient-clipboard-tty2-control.pld  
richard@cis106:~/lab6$ ls -A *.*  
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh  
richard@cis106:~/lab6$ ls l?st*  
last.txt last.txt lost.txt  
richard@cis106:~/lab6$ ls *.*.*  
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh  
richard@cis106:~/lab6$
```

## Question 3

```
1/1 + [icons] Tilix: richard@cis106: ~/lab6  
1: richard@cis106: ~/lab6  
richard@cis106:~/lab6$ ls [A-Z]*  
Document.doc Expenses.xls  
richard@cis106:~/lab6$ ls [A-Z0-9]*  
25Games.lst Document.doc Expenses.xls  
richard@cis106:~/lab6$ ls *[0-9]*  
25Games.lst apache03.err file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh trip22-info.doc  
richard@cis106:~/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  
richard@cis106:~/lab6$
```

## Question 4

```
1 / 1 v + [ ] [ ] Tilix: richard@cis106: ~/lab6

1: richard@cis106: ~/lab6 v

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

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

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

6 directories, 0 files
richard@cis106:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
richard@cis106:~/lab6$ touch docs/books/{his,math}/{fall,spring}/book.pdf
richard@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── his
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
└──
```

```
1 / 1 v + [ ] [ ] Tilix: richard@cis106: /usr/share

1: richard@cis106: /usr/share v

richard@cis106:~/lab6$ mkdir ~/lab6-q5
richard@cis106:~/lab6$ cd /
richard@cis106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
richard@cis106:/$ cd /usr/share/
richard@cis106:/usr/share$ mkdir ~/lab6-q5/movies
richard@cis106:/usr/share$ touch ~/lab-q5/movies/{movies.lst,marvel.txt,disney.doc}
touch: cannot touch '/home/richard/lab-q5/movies/movies.lst': No such file or directory
touch: cannot touch '/home/richard/lab-q5/movies/marvel.txt': No such file or directory
touch: cannot touch '/home/richard/lab-q5/movies/disney.doc': No such file or directory
richard@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
richard@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
richard@cis106:/usr/share$ tree lab6-q5/
lab6-q5/ [error opening dir]

0 directories, 0 files
richard@cis106:/usr/share$ tree ~/lab6-q5/
/home/richard/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

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

## Challenge Question

```
richard@cis106:~/lab6$ mkdir -p challenge-lab6/{audio/{aac/{song1.aac,song2.aac},mp3/{song1.mp3,song2.mp3}},docs/{docx/{docs1.docx,docs2.docx},pdf/{docs1.pdf,docs2.pdf},xls},images/{jpg/{image1.jpg,image2.jpg},png/{image1.png,image2.png}}
richard@cis106:~/lab6$ tree challenge-lab6/
challenge-lab6/
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
└── images
    ├── jpg
    │   ├── image1.jpg
    │   └── image2.jpg
    └── png
        ├── image1.png
        └── image2.png

22 directories, 0 files
richard@cis106:~/lab6$
```