

# Lab 6

## Question 1

```

mthussan@CIS106:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/gpu-manager.log
lab6/alternatives.log       lab6/history.log
lab6/apache01-error.log     lab6/http404.log
lab6/apache22.log           lab6/kern.log
lab6/apport.log              lab6/term.log
lab6/auth.log                lab6/ubuntu-advantage.log
lab6/bootstrap.log          lab6/ubuntu-advantage-timer.log
lab6/casper.log              lab6/unattended-upgrades-dpkg.log
lab6/dpkg.log                 lab6/unattended-upgrades.log
lab6/fontconfig.log          lab6/unattended-upgrades-shutdown.log
mthussan@CIS106:~$ mkdir lab6/log-files
mthussan@CIS106:~$ mv lab6/*.log lab6/log-files/
mthussan@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/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
/etc/hdparm.conf            /etc/pam.conf
mthussan@CIS106:~$ ls -lSgGh --time-style=%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 10/20/22 /etc/pnm2ppa.conf
-rw-r--r-- 1 4.4K 12/15/20 /etc/hdparm.conf
-rw-r--r-- 1 552 08/18/22 /etc/pam.conf
-rw-r--r-- 1 92 04/28/22 /etc/host.conf
mthussan@CIS106:~$

```

## Question 2



```

last.txt list.txt lost.txt
mthussan@CIS106:~/lab6$ ls _??.*
ls: cannot access '_??.*': No such file or directory
mthussan@CIS106:~/lab6$ ls *??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
mthussan@CIS106:~/lab6$ _

```

## Question 3

```
mthussan@CIS106:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
mthussan@CIS106:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
mthussan@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
mthussan@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
mthussan@CIS106:~/lab6$ _
```

## Question 4

```
mthussan@CIS106:~/lab6$ mkdir -p wallpapers/{cars}/{1080p,2k,4k}
mthussan@CIS106:~/lab6$ tree wallpapers
wallpapers
├── {cars}
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
mthussan@CIS106:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
mthussan@CIS106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
6 directories, 0 files
mthussan@CIS106:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
mthussan@CIS106:~/lab6$ touch docs/books/{his,math}/{fall,spring}/book.pdf
mthussan@CIS106:~/lab6$ tree docs
docs
├── books
│   ├── his
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
mthussan@CIS106:~/lab6$ _
```

```
mthussan@CIS106:~/lab6$ mkdir ~/lab6-q5
mthussan@CIS106:~/lab6$ cd /
mthussan@CIS106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
mthussan@CIS106:/$ cd /usr/share/
mthussan@CIS106:/usr/share$ mkdir ~/lab6-q5/movies
mthussan@CIS106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,mарel.txt,disney.doc}
mthussan@CIS106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,mарel.txt}}
mthussan@CIS106:/usr/share$ tree ~/lab6-q5/
/home/mthussan/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
mthussan@CIS106:/usr/share$ _
```

## Challenge Question



```
mthussan@CIS106:~$ mkdir ~/challenge-Lab6/{audio,docs,images}
mthussan@CIS106:~$ mkdir ~/challenge-Lab6/audio/{aac,mp3}
mthussan@CIS106:~$ mkdir ~/challenge-Lab6/docs/{docx,pdf,cls}
mthussan@CIS106:~$ mkdir ~/challenge-Lab6/images/{jpg,png}
mthussan@CIS106:~$ mv *.aac aac/
mv: cannot stat '*.aac': No such file or directory
mthussan@CIS106:~$ cd ~/challenge-Lab6
mthussan@CIS106:~/challenge-Lab6$ mv *.aac aac/
mv: target 'aac/' is not a directory
mthussan@CIS106:~/challenge-Lab6$ mv *.aac ~/challenge-Lab6/audio/aac
mthussan@CIS106:~/challenge-Lab6$ mv *.mp3 ~/challenge-Lab6/audio/mp3
mthussan@CIS106:~/challenge-Lab6$ mv *.docs ~/challenge-Lab6/docs/docx
mv: cannot stat '*.docs': No such file or directory
mthussan@CIS106:~/challenge-Lab6$ mv *.docx ~/challenge-Lab6/docs/docx
mthussan@CIS106:~/challenge-Lab6$ mv *.pdf ~/challenge-Lab6/docs/pdf
mthussan@CIS106:~/challenge-Lab6$ mv *.xls ~/challenge-Lab6/docs/xls
mv: cannot stat '*.xls': No such file or directory
mthussan@CIS106:~/challenge-Lab6$ mv *.jpg ~/challenge-Lab6/images/jpg
mthussan@CIS106:~/challenge-Lab6$ mv *.png ~/challenge-Lab6/images/png
```

```
mthussan@CIS106:~/challenge-Lab6$ tree ~/challenge-Lab6
```

```
/home/mthussan/challenge-Lab6
```

```
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── cls
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   └── pdf
│       ├── docs1.pdf
│       └── docs2.pdf
├── image1.gif
├── image2.gif
├── images
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
```

```
image1.gif
image2.gif
images
├── jpg
│   ├── image1.jpg
│   └── image2.jpg
└── png
    ├── image1.png
    └── image2.png
program.go
program.py
program.rb
program.sh

10 directories, 18 files
mthussan@CIS106:~/challenge-Lab6$ _
```

