

Lab 6 The Linux File System

Question 1

```
amejia40854@cis106:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/kern.log
lab6/alternatives.log       lab6/luahbtex.log
lab6/apache01-error.log     lab6/luatex.log
lab6/apache22.log           lab6/mf.log
lab6/auth.log                lab6/pdfetex.log
lab6/bootstrap.log          lab6/pdftex.log
lab6/casper.log              lab6/term.log
lab6/dpkg.log                lab6/tex.log
lab6/dvluatex.log           lab6/ubuntu-advantage.log
lab6/etex.log                lab6/unattended-upgrades-dpkg.log
lab6/fontconfig.log          lab6/unattended-upgrades.log
lab6/gpu-manager.log         lab6/unattended-upgrades-shutdown.log
lab6/history.log             lab6/updmap.log
lab6/http404.log             lab6/vboxadd-setup.log
amejia40854@cis106:~$ mkdir lab6/log-files; mv lab6/*.log lab6/log-files
amejia40854@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/kernelloops.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
amejia40854@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
amejia40854@cis106:~$
```

Question 2

```
1/1 + [ ] [x] TiliX: amejia40854@cis106: ~/lab6
1: amejia40854@cis106: ~/lab6
amejia40854@cis106:~/lab6$ ls .??*
auto-changelog  .eslintrc  .keep  .profile
babelrc         .eslintrc.js  .last_revision  .python_history
bash_aliases    .eslintrc.json  .lessshst  .sudo_as_admin_successful
bash_history    .eslintrc.yml  .lint  .tern-project
bash_logout     .gitattributes  .metadata-v2  .testignore
bashrc          .gitconfig  .meta.isrunning  .textFiles
changed         .gitkeep  .mh_sequences  .tm_properties
cis106.png      .gitmodules  .min-wd  .tonic_example.js
claws_cache     .gsd-keyboard.settings-portcd  .npmignore  .travis.yml
claws_mark      .htaccess  .nycrc  .uuid
claws_tags      .istanbul.yml  .obsolete  .vboxclient-clipboard.pid
coveralls.yml   .jscs.json  .org.chromium.Chromium.nIswp5  .vboxclient-draganddrop.pid
dir-locals.el   .jscsrc  .org.chromium.Chromium.U1cEMe  .vboxclient-seamless.pid
editorconfig    .jshintignore  .padding  .vboxclient-vmvga-session-tty2.pid
eslintignore    .jshintrc  .parentlock  .vsixmanifest
amejia40854@cis106:~/lab6$ ls *.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
amejia40854@cis106:~/lab6$ ls l?st*
last.txt list.txt lost.txt
amejia40854@cis106:~/lab6$ ls *.*.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
amejia40854@cis106:~/lab6$
```

Question 3

```
Tilix: amejia40854@cis106: ~/lab6
1: amejia40854@cis106: ~/lab6
amejia40854@cis106:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
amejia40854@cis106:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
amejia40854@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
amejia40854@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
```

Question 4

```
Tilix: amejia40854@cis106: ~/lab6
1: amejia40854@cis106: ~/lab6
amejia40854@cis106:~/lab6$ mkdir -p wallpaper/cars/{1080p,2k,4k}
amejia40854@cis106:~/lab6$ tree wallpaper/
wallpaper/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
amejia40854@cis106:~/lab6$ |
```

```
Tilix: amejia40854@cis106: ~/lab6
1: amejia40854@cis106: ~/lab6
amejia40854@cis106:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
amejia40854@cis106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small
6 directories, 0 files
amejia40854@cis106:~/lab6$ |
```

```
Tilix: amejia40854@cis106: ~/lab6
1: amejia40854@cis106: ~/lab6
amejia40854@cis106:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
amejia40854@cis106:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
amejia40854@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
amejia40854@cis106:~/lab6$ |
```

```
Tilix: amejia40854@cis106: /usr/share
1: amejia40854@cis106: /usr/share
amejia40854@cis106:~/lab6$ mkdir ~/lab6-q5; cd /; touch ~/lab6-q5/{program.py,people.csv,data.xls}
amejia40854@cis106:/$ cd /usr/share; mkdir ~/lab6-q5/movies; touch ~/lab6-q5/movies/{movies.lst,mrvel.txt,disney.doc}
amejia40854@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,mrvel.txt}}
amejia40854@cis106:/usr/share$ tree ~/lab6-q5/
/home/amejia40854/lab6-q5/
├── data.xls
└── movies
    └── movies.lst
1 directory, 2 files
amejia40854@cis106:/usr/share$ |
```

Question 5

```
Tilix: amejia40854@cis106: ~/challenge-Lab6
1: amejia40854@cis106: ~/challenge-Lab6
amejia40854@cis106:~/challenge-Lab6$ mkdir -p {audio,audio/{aac,mp3},docs,docs/{docx,pdf,xls},image
s,images/{jpg,png}}
amejia40854@cis106:~/challenge-Lab6$ mv *.aac audio/aac/; mv *.mp3 audio/mp3/
amejia40854@cis106:~/challenge-Lab6$ mv *.docx docs/docx; mv *.pdf docs/pdf; mv *.xls docs/xls/
mv: cannot stat '*.xls': No such file or directory
amejia40854@cis106:~/challenge-Lab6$ mv *.jpg image
image1.gif image1.png image2.jpg images/
image1.jpg image2.gif image2.png
amejia40854@cis106:~/challenge-Lab6$ mv *.jpg images/jpg/; mv *.png images/png
amejia40854@cis106:~/challenge-Lab6$ tree .
.
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── 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
amejia40854@cis106:~/challenge-Lab6$ |
```