

Lab 6

Question 1

```
aawari43657@cis106:~$ cd ~/lab6
aawari43657@cis106:~/lab6$ ls *.log
88_Application-log.log      dpkg.log          kern.log           tex.log
alternatives.log           dviluatex.log     luahtex.log       ubuntu-advantage.log
apache01-error.log         etex.log          luatex.log        unattended-upgrades-dpkg.log
apache22.log               fontconfig.log    mf.log            unattended-upgrades.log
auth.log                   gpu-manager.log   pdfetex.log       unattended-upgrades-shutdown.log
bootstrap.log              history.log        pdftex.log        vboxadd-setup.log
casper.log                 http404.log        term.log
aawari43657@cis106:~/lab6$ mkdir ~/lab6/log-files
aawari43657@cis106:~/lab6$ mv ~/lab6/*.log ~/lab6/log-files/
aawari43657@cis106:~/lab6$ cd /etc
aawari43657@cis106:/etc$ ls -A *.conf
adduser.conf      deluser.conf      host.conf          libaudit.conf      pnm2ppa.conf      sudo_logsrvd.conf
apg.conf          e2scrub.conf      inxi.conf          logrotate.conf     resolv.conf        sysctl.conf
appstream.conf    fprintd.conf      kernel-img.conf    mke2fs.conf        rsyslog.conf       ucf.conf
brltty.conf       fuse.conf          kerneloops.conf    nftables.conf      rygel.conf         usb_modeswitch.conf
ca-certificates.conf  gai.conf          ld.so.conf         nsswitch.conf      sensors3.conf      xattr.conf
debconf.conf      hdparm.conf        libao.conf         pam.conf           sudo.conf
aawari43657@cis106:/etc$ ls -lSx h*.conf
hdparm.conf  host.conf
aawari43657@cis106:/etc$ ls -ls h*.conf
-rw-r--r-- 1 root root 4436 Dec 15 2020 hdparm.conf
-rw-r--r-- 1 root root 92 Oct 15 2021 host.conf
aawari43657@cis106:/etc$ ls -lSh h*.conf
-rw-r--r-- 1 root root 4.4K Dec 15 2020 hdparm.conf
-rw-r--r-- 1 root root 92 Oct 15 2021 host.conf
aawari43657@cis106:/etc$ ls -lSh --time-style=+%x h*.conf
-rw-r--r-- 1 root root 4.4K 12/15/2020 hdparm.conf
-rw-r--r-- 1 root root 92 10/15/2021 host.conf
aawari43657@cis106:/etc$ ls -lSh --time-style=+%x p*.conf
-rw-r--r-- 1 root root 7.5K 08/07/2023 pnm2ppa.conf
-rw-r--r-- 1 root root 552 08/11/2020 pam.conf
aawari43657@cis106:/etc$
```

Question 2

```
aawari43657@cis106:~/lab6$ ls .??*
.bash_history      .jscs.json        .tm_properties
.bash_logout       .jshintrc         .tonic_example.js
.bashrc            .keep             .travis.yml
.bastetr           .last_revision    .vboxclient-clipboard-tty1-control.pid
.changed           .lessshst         .vboxclient-clipboard-tty1-service.pid
.coveralls.yml     .metadata-v2      .vboxclient-clipboard-tty2-control.pid
.dir-local.el      .meta.isrunning   .vboxclient-draganddrop-tty1-control.pid
.editorconfig      .min-wd           .vboxclient-draganddrop-tty1-service.pid
.eslintignore      .npmignore        .vboxclient-draganddrop-tty2-control.pid
.eslintrc          .nycrc            .vboxclient-hostversion-tty1-control.pid
.eslintrc.js       .obsolete         .vboxclient-hostversion-tty2-control.pid
.eslintrc.json     .padding          .vboxclient-seamless-tty1-control.pid
.eslintrc.yml      .parentlock       .vboxclient-seamless-tty1-service.pid
.gitattributes     .prettierignore   .vboxclient-seamless-tty2-control.pid
.gitconfig         .prettierrc.yaml  .vboxclient-vmvga-session-tty1-control.pid
.gitkeep          .profile          .vboxclient-vmvga-session-tty1-service.pid
.gitmodules        .releaserc.json   .vboxclient-vmvga-session-tty2-control.pid
.gsd-keyboard.settings-ported .spmignore        .vsixmanifest
.hidden            .sudo_as_admin_successful .Xauthority
.htaccess          .tern-project     .xsession-errors
.ignore
aawari43657@cis106:~/lab6$ ls *.??
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
aawari43657@cis106:~/lab6$ ls *l?st*
last.txt list.txt lost.txt
aawari43657@cis106:~/lab6$ ls * ??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
```

Question 3

```
aawari43657@cis106:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
aawari43657@cis106:~/lab6$ ls [A-Z]* [0-9]*
25Games.lst  Document.doc  Expenses.xls
aawari43657@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
aawari43657@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
aawari43657@cis106:~/lab6$
```

Question 4

Problem 1

```
aawari43657@cis106:~/lab6$ mkdir ~/lab6/wallpapers/
aawari43657@cis106:~/lab6$ mkdir ~/lab6/wallpapers/cars/
aawari43657@cis106:~/lab6$ mkdir ~/lab6/wallpapers/cars/{1080p,2k,4k}
aawari43657@cis106:~/lab6$ tree ~/lab6/wallpapers
/home/aawari43657/lab6/wallpapers
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└──

4 directories, 0 files
```

Problem 2

```
aawari43657@cis106:~/lab6$ mkdir ~/lab6/assets
aawari43657@cis106:~/lab6$ mkdir ~/lab6/assets/{imgs,video}/
aawari43657@cis106:~/lab6$ mkdir ~/lab6/assets/{imgs,video}/{large,small}/
aawari43657@cis106:~/lab6$ tree ~/lab6/assets
/home/aawari43657/lab6/assets
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
```

Problem 3

```
aawari43657@cis106:~/lab6$ mkdir ~/lab6/docs/
aawari43657@cis106:~/lab6$ mkdir ~/lab6/docs/books/
aawari43657@cis106:~/lab6$ mkdir ~/lab6/docs/books/{history,math}/
aawari43657@cis106:~/lab6$ mkdir ~/lab6/docs/books/{history,math}/{fall,spring}
aawari43657@cis106:~/lab6$ touch ~/lab6/docs/books/{history,math}/{fall,spring}/book.pdf
aawari43657@cis106:~/lab6$ tree ~/lab6/docs
/home/aawari43657/lab6/docs
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
7 directories, 4 files
```

Problem 4

```
aawari43657@cis106:~$ mkdir ~/lab6-q5
aawari43657@cis106:~$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
aawari43657@cis106:~$ cd /usr/share
aawari43657@cis106:/usr/share$ mkdir ~/lab6-q5/movies
aawari43657@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
aawari43657@cis106:/usr/share$ rm ~/lab6-q5/{program.py,peopl.csv} ~/lab6-q5/movies/{disney.doc,marvel.txt}
rm: cannot remove '/home/aawari43657/lab6-q5/peopl.csv': No such file or directory
aawari43657@cis106:/usr/share$ rm ~/lab6-q5/people.csv
```

Challenge Question

```
aawari43657@cis106:~/challenge-Lab6$ mkdir ~/challenge-Lab6/{docs,images,programs,songs} ~/challenge-Lab6/docs/{docx,pd
f} ~/challenge-Lab6/images/{jpg,png,gif} ~/challenge-Lab6/programs/{go,py,rb,sh}/ ~/challenge-Lab6/songs/{aac,mp3}/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.docx ~/challenge-Lab6/docs/docx/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.pdf ~/challenge-Lab6/docs/pdf/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.gif ~/challenge-Lab6/images/gif/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.png ~/challenge-Lab6/images/png/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.jpg ~/challenge-Lab6/images/jpg/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.go ~/challenge-Lab6/programs/go/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.rb ~/challenge-Lab6/programs/rb/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.sh ~/challenge-Lab6/programs/sh/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.py ~/challenge-Lab6/programs/py/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.mp3 ~/challenge-Lab6/songs/mp3/
aawari43657@cis106:~/challenge-Lab6$ mv ~/challenge-Lab6/*.aac ~/challenge-Lab6/songs/aac/
aawari43657@cis106:~/challenge-Lab6$ tree ~/challenge-Lab6
/home/aawari43657/challenge-Lab6
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   └── pdf
│       ├── docs1.pdf
│       └── docs2.pdf
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── programs
│   ├── go
│   │   └── program.go
│   ├── py
│   │   └── program.py
│   ├── rb
│   │   └── program.rb
│   └── sh
│       └── program.sh
└── songs
    ├── aac
    │   ├── song1.aac
    │   └── song2.aac
    └── mp3
        ├── song1.mp3
        └── song2.mp3
```

15 directories, 18 files