

# Lab 6

## Question 1

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1/1 v + [share] [copy]
Tilix: saymaakter@CIS106VirtualBox: ~

1: saymaakter@CIS106VirtualBox: ~
saymaakter@CIS106VirtualBox:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/casper.log  lab6/http404.log  lab6/term.log  lab6/updmap.log
lab6/alternatives.log      lab6/dpkg.log    lab6/kern.log    lab6/tex.log    lab6/vboxadd-install.log
lab6/apache01-error.log    lab6/dvluatex.log  lab6/luahbtex.log  lab6/ubuntu-advantage.log  lab6/vboxadd-setup.log
lab6/apache22.log          lab6/etex.log     lab6/luatex.log   lab6/ubuntu-advantage-timer.log
lab6/apport.log            lab6/fontconfig.log  lab6/mf.log       lab6/unattended-upgrades-dpkg.log
lab6/auth.log              lab6/gpu-manager.log  lab6/pdfetex.log  lab6/unattended-upgrades.log
lab6/bootstrap.log         lab6/history.log    lab6/pdfetex.log  lab6/unattended-upgrades-shutdown.log
saymaakter@CIS106VirtualBox:~$ mkdir lab6/log-files
saymaakter@CIS106VirtualBox:~$ mv lab6/*.log lab6/log-files/
saymaakter@CIS106VirtualBox:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/deluser.conf  /etc/host.conf      /etc/libaudit.conf  /etc/pnm2ppa.conf  /etc/sudo_logsrvd.conf
/etc/appg.conf         /etc/e2scrub.conf  /etc/inxi.conf      /etc/logrotate.conf  /etc/resolv.conf    /etc/sysctl.conf
/etc/appstream.conf    /etc/fprintd.conf  /etc/kernel-img.conf  /etc/mke2fs.conf    /etc/rsyslog.conf   /etc/ucf.conf
/etc/brltty.conf       /etc/fuse.conf     /etc/kernelloops.conf  /etc/nftables.conf  /etc/rygel.conf     /etc/usb_modeswitch.conf
/etc/ca-certificates.conf  /etc/gai.conf     /etc/ld.so.conf      /etc/nsswitch.conf   /etc/sensors3.conf  /etc/xattr.conf
/etc/debconf.conf       /etc/hdparm.conf   /etc/libao.conf      /etc/pam.conf        /etc/sudo.conf
saymaakter@CIS106VirtualBox:~$ ls -lSgH --time-styles=+%D /etc/h*.conf /etc/p*.conf
ls: invalid option -- '-'
Try 'ls --help' for more information.
saymaakter@CIS106VirtualBox:~$ ls -lSgH --time-styles=+%D /etc/h*.conf /etc/p*.conf
ls: unrecognized option '--time-styles=+%D'
Try 'ls --help' for more information.
saymaakter@CIS106VirtualBox:~$ ls -lSgH --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 08/09/22 /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
saymaakter@CIS106VirtualBox:~$

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## Question 2

```

1/1 v + [share] [copy]
Tilix: saymaakter@CIS106VirtualBox: ~/lab6

1: saymaakter@CIS106VirtualBox: ~/lab6
saymaakter@CIS106VirtualBox:~/lab6$ ls .??*
.appveyor.yml      .envrc             .gitmodules         .jscs.json          .min-wd             .tern-project
.auto-changelog    .eslintignore      .gsd-keyboard.settings-ported  .jscsrc             .npmignore          .testignore
.babelrc           .eslintrc          .hidden             .jshintignore        .nycrc              .tm_properties
.bash_history      .eslintrc.js       .hidden1.doc        .jshintrc           .obsolete            .tonic_example.js
.bash_logout       .eslintrc.json     .hidden1.py         .keep               .padding            .travis.yml
.bashrc            .eslintrc.yml      .hidden2.doc        .last_revision      .parentlock         .vboxclient-clipboard.pid
.cis106.png        .gitattributes     .hidden2.py         .lessshst           .prettierrc         .vboxclient-display-svga-x11.pid
.coveralls.yml     .gitconfig         .hiddenFile.txt     .lint               .prettierrc.yaml    .vboxclient-draganddrop.pid
.dir-locals.el     .gitignore         .htaccess           .metadata-v2        .profile            .vboxclient-seamless.pid
.editorconfig      .gitkeep           .istanbul.yml       .meta.isrunning     .sudo_as_admin_successful  .vsixmanifest
saymaakter@CIS106VirtualBox:~/lab6$ ls -A *.??
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
saymaakter@CIS106VirtualBox:~/lab6$ ls l?st*
last.txt list.txt lost.txt
saymaakter@CIS106VirtualBox:~/lab6$ ls *??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
saymaakter@CIS106VirtualBox:~/lab6$

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## Question 3



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1/1 + [T] [M] Tilix: saymaakter@CIS106VirtualBox: ~/lab6
1: saymaakter@CIS106VirtualBox: ~/lab6
saymaakter@CIS106VirtualBox:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
saymaakter@CIS106VirtualBox:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
saymaakter@CIS106VirtualBox:~/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
saymaakter@CIS106VirtualBox:~/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
saymaakter@CIS106VirtualBox:~/lab6$
```

## Question 4

```
1 / 1 + [ ] [ ] Tilix: saymaakter@CIS106VirtualBox: ~/lab6

1: saymaakter@CIS106VirtualBox: ~/lab6 ~

saymaakter@CIS106VirtualBox:~/lab6$ rm -r wallpapers
saymaakter@CIS106VirtualBox:~/lab6$ mkdir -p wallpapers/cars/{1080,2k,4k}
saymaakter@CIS106VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080
│   ├── 2k
│   └── 4k

4 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ mkdir -p assets/{imgs,videos}/{ }
saymaakter@CIS106VirtualBox:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
saymaakter@CIS106VirtualBox:~/lab6$ tree assets/
assets/
├── imgs
│   ├── { }
│   ├── large
│   └── small
└── videos
    ├── { }
    ├── large
    └── small

8 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ rm -r assets/{imgs,videos}/{ }
saymaakter@CIS106VirtualBox:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
saymaakter@CIS106VirtualBox:~/lab6$ tree assets/
assets/
├── imgs
│   └── large
└── videos
    ├── large
    └── small

6 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
saymaakter@CIS106VirtualBox:~/lab6$ touch docs/books/{his,math}/{fall,spring}/book.pdf
saymaakter@CIS106VirtualBox:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small

6 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ tree docs/
docs/
├── books
│   ├── his
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
└── math
```

```
1/1 + [ ] [ ] Tilix: saymaakter@CIS106VirtualBox: ~/lab6

1: saymaakter@CIS106VirtualBox: ~/lab6

6 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
saymaakter@CIS106VirtualBox:~/lab6$ touch docs/books/{his,math}/{fall,spring}/book.pdf
saymaakter@CIS106VirtualBox:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small

6 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ tree docs/
docs/
├── books
│   ├── his
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf

7 directories, 4 files
saymaakter@CIS106VirtualBox:~/lab6$ █

1/1 + [ ] [ ] Tilix: saymaakter@CIS106VirtualBox: /usr/share

1: saymaakter@CIS106VirtualBox: /usr/share

saymaakter@CIS106VirtualBox:~/lab6$ mkdir ~/lab6-q5
saymaakter@CIS106VirtualBox:~/lab6$ cd /
saymaakter@CIS106VirtualBox:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
saymaakter@CIS106VirtualBox:/$ cd /usr/share/
saymaakter@CIS106VirtualBox:/usr/share$ mkdir ~/lab6-q5/movies
saymaakter@CIS106VirtualBox:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,movie.txt,disney.doc}
saymaakter@CIS106VirtualBox:/usr/share$ rm ~/lab6-q5/
rm: cannot remove '/home/saymaakter/lab6-q5/': Is a directory
saymaakter@CIS106VirtualBox:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}}
rm: cannot remove '/home/saymaakter/lab6-q5/people.csv': No such file or directory
saymaakter@CIS106VirtualBox:/usr/share$ tree ~/lab6-q5/
/home/saymaakter/lab6-q5/
├── csv
├── data.xls
├── movies
│   └── movies.lst
└── people

1 directory, 4 files
saymaakter@CIS106VirtualBox:/usr/share$ █
```

## Question 5 Challenge

```
1/1 + [ ] [ ] Tilix: saymaakter@CIS106VirtualBox: ~/lab6

1: saymaakter@CIS106VirtualBox: ~/lab6

saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/audio/
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/audio/{acc,mp3}
saymaakter@CIS106VirtualBox:~/lab6$ tree challenge-lab6/
challenge-lab6/
├── audio
│   ├── acc
│   └── mp3
└──

3 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/audio/acc/all-acc-files-here
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/mp3/acc/all-mp3-files-here
mkdir: cannot create directory 'challenge-lab6/mp3/acc/all-mp3-files-here': No such file or directory
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/audio/mp3/all-mp3-files-here
saymaakter@CIS106VirtualBox:~/lab6$ tree challenge-lab6/
challenge-lab6/
├── audio
│   ├── acc
│   │   └── all-acc-files-here
│   └── mp3
│       └── all-mp3-files-here
└──

5 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ █
```

```
1/1 + [ ] [ ] Tilix: saymaakter@CIS106VirtualBox: ~/lab6

1: saymaakter@CIS106VirtualBox: ~/lab6

├── acc
│   ├── all-acc-files-here
│   └── mp3
│       └── all-mp3-files-here
└── docs
    ├── docx
    ├── pdf
    └── xls

9 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/docs/docx/all-docs-files-here/
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/docs/pdf/all-pdf-files-here/
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/docs/xls/all-xls-files-here/
saymaakter@CIS106VirtualBox:~/lab6$ tree challenge-lab6/
challenge-lab6/
├── audio
│   ├── acc
│   │   └── all-acc-files-here
│   └── mp3
│       └── all-mp3-files-here
└── docs
    ├── docx
    │   └── all-docs-files-here
    ├── pdf
    │   └── all-pdf-files-here
    └── xls
        └── all-xls-files-here

12 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ █
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1/1  +  [ ]  [ ]  Tilix: saymaakter@CIS106VirtualBox: ~/lab6

1: saymaakter@CIS106VirtualBox: ~/lab6  v

└─ xls
   └─ all-xls-files-here

12 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/images/
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/images/{jpg,png}
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/images/jpg/all-jpg-files-here/
saymaakter@CIS106VirtualBox:~/lab6$ mkdir challenge-lab6/images/png/all-png-files-here/
saymaakter@CIS106VirtualBox:~/lab6$ tree challenge-lab6/
challenge-lab6/
├─ audio
│  ├── acc
│  │   └─ all-acc-files-here
│  └─ mp3
│     └─ all-mp3-files-here
├─ docs
│  ├── docx
│  │   └─ all-docs-files-here
│  ├── pdf
│  │   └─ all-pdf-files-here
│  └─ xls
│     └─ all-xls-files-here
└─ images
   ├── jpg
   │   └─ all-jpg-files-here
   └─ png
       └─ all-png-files-here

17 directories, 0 files
saymaakter@CIS106VirtualBox:~/lab6$ █
```