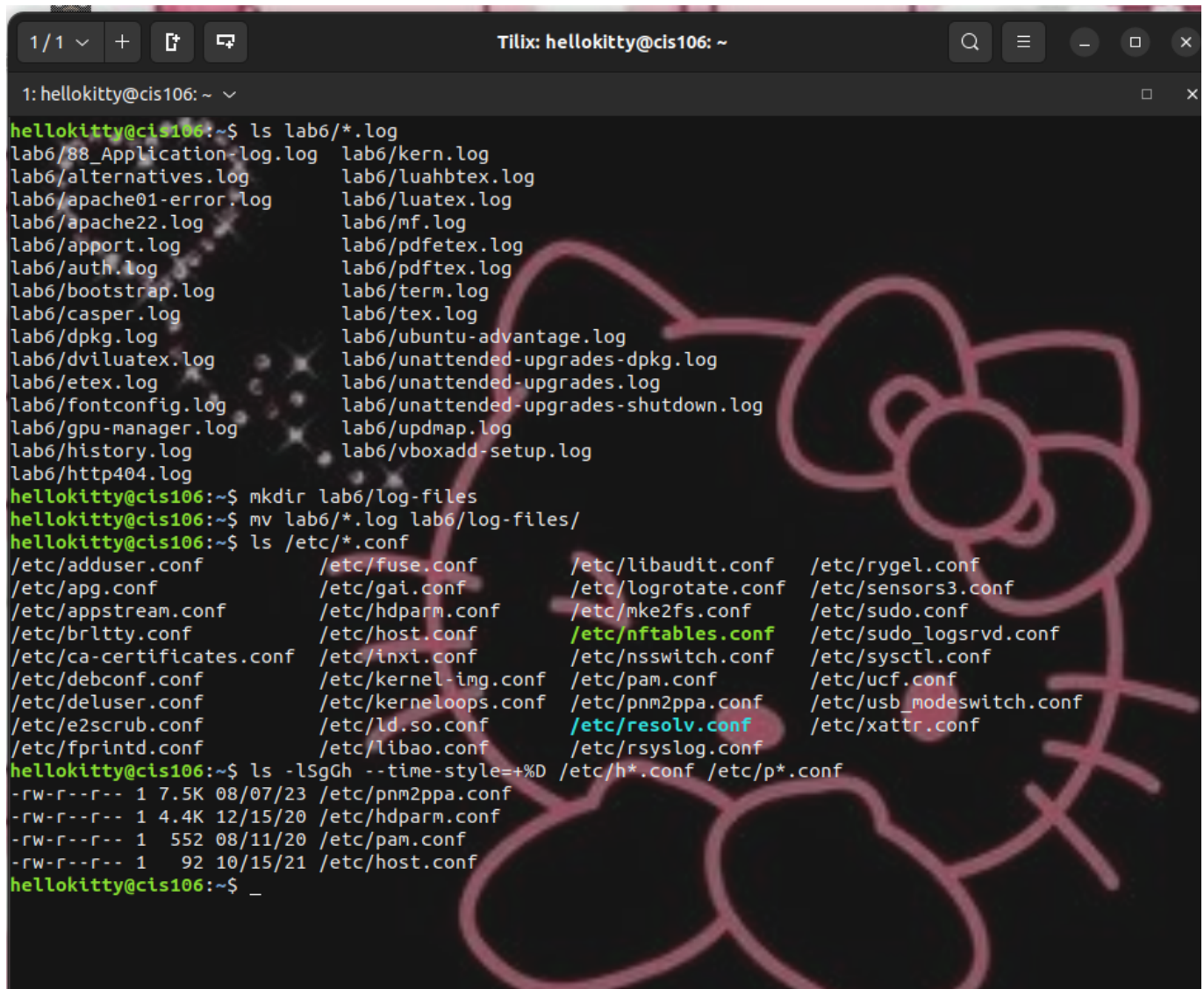


# Lab 6

## Question 1



```
1/1 + [ ] [ ] Tilix: hellokitty@cis106: ~
1: hellokitty@cis106: ~
hellokitty@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/apport.log             lab6/pdfetex.log
lab6/auth.log               lab6/pdfetex.log
lab6/bootstrap.log          lab6/term.log
lab6/casper.log             lab6/tex.log
lab6/dpkg.log               lab6/ubuntu-advantage.log
lab6/dvluatex.log           lab6/unattended-upgrades-dpkg.log
lab6/etex.log               lab6/unattended-upgrades.log
lab6/fontconfig.log         lab6/unattended-upgrades-shutdown.log
lab6/gpu-manager.log        lab6/updmap.log
lab6/history.log            lab6/vboxadd-setup.log
lab6/http404.log

hellokitty@cis106:~$ mkdir lab6/log-files
hellokitty@cis106:~$ mv lab6/*.log lab6/log-files/
hellokitty@cis106:~$ ls /etc/*.conf
/etc/adduser.conf          /etc/fuse.conf          /etc/libaudit.conf      /etc/rygel.conf
/etc/apg.conf              /etc/gai.conf           /etc/logrotate.conf     /etc/sensors3.conf
/etc/appstream.conf        /etc/hdparm.conf        /etc/mke2fs.conf        /etc/sudo.conf
/etc/brltty.conf           /etc/host.conf          /etc/nftables.conf      /etc/sudo_logsrvd.conf
/etc/ca-certificates.conf  /etc/inxi.conf          /etc/nsswitch.conf       /etc/sysctl.conf
/etc/debconf.conf          /etc/kernel-img.conf    /etc/pam.conf            /etc/ucf.conf
/etc/deluser.conf          /etc/kernelloops.conf   /etc/pnm2ppa.conf        /etc/usb_modeswitch.conf
/etc/e2scrub.conf          /etc/ld.so.conf          /etc/resolv.conf         /etc/xattr.conf
/etc/fprintd.conf          /etc/libao.conf         /etc/rsyslog.conf
hellokitty@cis106:~$ ls -lSgGh --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
hellokitty@cis106:~$ _
```

## Question 2

```
1/1 v + [ ] [ ] Tilix: hellokitty@cis106: ~/lab6
1: hellokitty@cis106: ~/lab6 v
hellokitty@cis106:~/lab6$ ls .??*
.2.uuid                      .hidden1.doc             .parentlock
.2.uuid.trashinfo           .hidden1.py              .profile
.auto-changelog             .hidden2.doc             .sudo_as_admin_successful
.babelrc                    .hidden2.py              .tern-project
.bash_history               .hiddenFile.txt          .testignore
.bash_logout                .htaccess                .tm_properties
.bashrc                     .istanbul.yml            .tonic_example.js
.changed                    .jscs.json               .travis.yml
.cis106.png                 .jscsrc                  .uuid
.coveralls.yml              .jshintignore             .uuid.trashinfo
.dir-locals.el              .jshintrc                .vboxclient-clipboard-tty2-control.pid
.editorconfig               .keep                    .vboxclient-clipboard-tty2-service.pid
.eslintignore               .last_revision           .vboxclient-draganddrop-tty2-control.pid
.eslintrc                  .lessshst                .vboxclient-draganddrop-tty2-service.pid
.eslintrc.js                .lint                    .vboxclient-hostversion-tty2-control.pid
.eslintrc.json              .metadata-v2             .vboxclient-seamless-tty2-control.pid
.eslintrc.yml               .meta.isrunning          .vboxclient-seamless-tty2-service.pid
.gitattributes              .migrated                .vboxclient-vmvga-session-tty2-control.pid
.gitconfig                  .min-wd                  .vboxclient-vmvga-session-tty2-service.pid
.gitkeep                    .npmignore               .viminfo
.gitmodules                 .nycrc                   .vsixmanifest
.gsd-keyboard.settings-port .obsolete
.hidden                     .padding
hellokitty@cis106:~/lab6$ ls -A *??
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
hellokitty@cis106:~/lab6$ ls l?st*
last.txt list.txt lost.txt
hellokitty@cis106:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
hellokitty@cis106:~/lab6$ _
```

### Question 3

```
1/1 v + [ ] [ ] Tilix: hellokitty@cis106: ~/lab6
1: hellokitty@cis106: ~/lab6 v
hellokitty@cis106:~/lab6$ ls [A-Z]
ls: cannot access '[A-Z]': No such file or directory
hellokitty@cis106:~/lab6$ ls [A-Z]*
Document.doc Expenses.xls
hellokitty@cis106:~/lab6$ ls [A-Z0-9]*
25Games.lst Document.doc Expenses.xls
hellokitty@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
hellokitty@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
hellokitty@cis106:~/lab6$ _
```

### Question 4

```
1/1 v + [T] [R] Tilix: hellokitty@cis106: ~/lab6
1: hellokitty@cis106: ~/lab6 v
hellokitty@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
hellokitty@cis106:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
hellokitty@cis106:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
hellokitty@cis106:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small
6 directories, 0 files
hellokitty@cis106:~/lab6$ mkdir -p docs/books/{his,math}/{fall,spring}
hellokitty@cis106:~/lab6$ touch docs/books/{his,math}/{fall,spring}/books.pdf
hellokitty@cis106:~/lab6$ tree docs/
docs/
├── books
│   ├── his
│   │   ├── fall
│   │   │   └── books.pdf
│   │   └── spring
│   │       └── books.pdf
│   └── math
│       ├── fall
│       │   └── books.pdf
│       └── spring
│           └── books.pdf
7 directories, 4 files
hellokitty@cis106:~/lab6$ _

1/1 v + [T] [R] Tilix: hellokitty@cis106: /usr/share
1: hellokitty@cis106: /usr/share v
hellokitty@cis106:~/lab6$ mkdir ~/lab6-q5
hellokitty@cis106:~/lab6$ cd /
hellokitty@cis106:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
hellokitty@cis106:/$ cd /usr/share/
hellokitty@cis106:/usr/share$ mkdir ~/lab6-q5/movies
hellokitty@cis106:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
hellokitty@cis106:/usr/share$ rm ~/lab6-q5/
rm: cannot remove '/home/hellokitty/lab6-q5/': Is a directory
hellokitty@cis106:/usr/share$ rm ~/lab6-q5//
rm: cannot remove '/home/hellokitty/lab6-q5/': Is a directory
hellokitty@cis106:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
hellokitty@cis106:/usr/share$ tree ~/lab6-q5/
/home/hellokitty/lab6-q5/
├── data.xls
└── movies
    └── movies.lst
1 directory, 2 files
hellokitty@cis106:/usr/share$ _
```

## Question 5 Challenge



```
1/1 + [T] [C] Tilix: hellokitty@cis106: ~/challenge-Lab6 [Q] [≡] [−] [□] [×]
1: hellokitty@cis106: ~/challenge-Lab6 [AI] [□] [×]
hellokitty@cis106:~$ curl https://cis106.com/assets/lab6cq.sh | bash
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Dload  % Upload   Total   Spent    Left     Speed
100  165  100  165    0     0    93      0  0:00:01  0:00:01 --:--:--   93
hellokitty@cis106:~$ tree challenge-Lab6/
challenge-Lab6/
├── docs1.docx
├── docs1.pdf
├── docs2.docx
├── docs2.pdf
├── image1.gif
├── image1.jpg
├── image1.png
├── image2.gif
├── image2.jpg
├── image2.png
├── program.go
├── program.py
├── program.rb
├── program.sh
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3

0 directories, 18 files
hellokitty@cis106:~$ cd challenge-Lab6/
hellokitty@cis106:~/challenge-Lab6$ pwd
/home/hellokitty/challenge-Lab6

1: hellokitty@cis106: ~ [v]

hellokitty@cis106:~$ ls challenge-Lab6/*.aac
challenge-Lab6/song1.aac  challenge-Lab6/song2.aac
hellokitty@cis106:~$ mv challenge-Lab6/*.aac challenge-Lab6/audio/
hellokitty@cis106:~$ mv challenge-Lab6/audio/*.aac challenge-Lab6/audio/aac
```

```
hellokitty@cis106:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/
hellokitty@cis106:~$

1/1 v + [ ] [ ] Tilix: hellokitt

1: hellokitty@cis106: ~/challenge-Lab6 v

hellokitty@cis106:~$ cd challenge-Lab6/
hellokitty@cis106:~/challenge-Lab6$ mkdir -p docs/{docx,pdf,xls}/
hellokitty@cis106:~/challenge-Lab6$ mkdir -p images/{jpg,png}/
hellokitty@cis106:~/challenge-Lab6$ cd
hellokitty@cis106:~$ mv challenge-Lab6/*.docx challenge-Lab6/docs/docx/
hellokitty@cis106:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/
hellokitty@cis106:~$ mv challenge-Lab6/*.jpg challenge-Lab6/images/jpg/
hellokitty@cis106:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/
hellokitty@cis106:~$ ls challenge-Lab6/*.p*
challenge-Lab6/program.py
hellokitty@cis106:~$ ls challenge-Lab6/*p*
challenge-Lab6/program.go  challenge-Lab6/program.rb
challenge-Lab6/program.py  challenge-Lab6/program.sh
hellokitty@cis106:~$ mv challenge-Lab6/*p* challenge-Lab6/docs/xls/
hellokitty@cis106:~$ mv challenge-Lab6/*.gif challenge-Lab6/docs/xls/
hellokitty@cis106:~$ cd challenge-Lab6/
hellokitty@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
│       ├── program.go
│       ├── program.py
│       ├── program.rb
│       └── program.sh
└── images
    ├── jpg
    │   ├── image1.jpg
    │   └── image2.jpg
    └── png
        ├── image1.png
        └── image2.png
```

