

# Lab 6

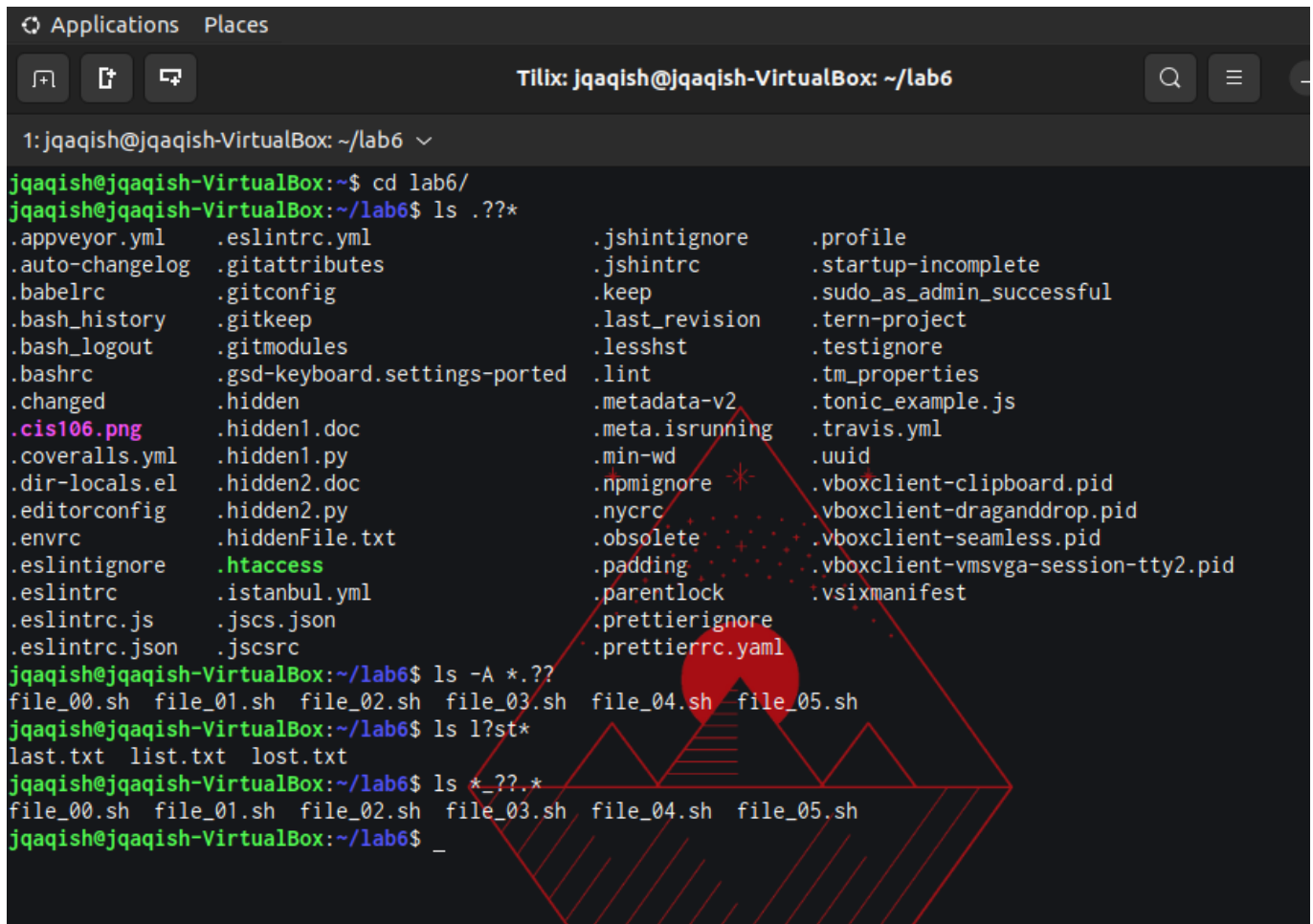
## Question 1

```
Applications  Places

Tilix: jqaqish@jqaqish-VirtualBox: ~

1: jqaqish@jqaqish-VirtualBox: ~
jqaqish@jqaqish-VirtualBox:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/dpkg.log  lab6/luahbtex.log  lab6/ubuntu-advantage-timer.log
lab6/alternatives.log      lab6/dvluatex.log  lab6/luatex.log  lab6/unattended-upgrades-dpkg.log
lab6/apache01-error.log    lab6/etex.log    lab6/mf.log        lab6/unattended-upgrades.log
lab6/apache22.log          lab6/fontconfig.log  lab6/pdfetex.log  lab6/unattended-upgrades-shutdown.log
lab6/apport.log            lab6/gpu-manager.log  lab6/pdftex.log   lab6/updmap.log
lab6/auth.log              lab6/history.log    lab6/term.log      lab6/vboxadd-setup.log
lab6/bootstrap.log         lab6/http404.log    lab6/tex.log
lab6/casper.log            lab6/kern.log       lab6/ubuntu-advantage.log
jqaqish@jqaqish-VirtualBox:~$ mkdir lab6/log-files
jqaqish@jqaqish-VirtualBox:~$ mv lab6/*.log lab6/log-files/
jqaqish@jqaqish-VirtualBox:~$ ls /etc/*.conf
/etc/adduser.conf      /etc/fprintd.conf  /etc/libao.conf    /etc/rsyslog.conf
/etc/apg.conf          /etc/fuse.conf     /etc/libaudit.conf /etc/rygel.conf
/etc/appstream.conf    /etc/gai.conf      /etc/logrotate.conf /etc/sensors3.conf
/etc/brltty.conf       /etc/hdparm.conf   /etc/mke2fs.conf   /etc/sudo.conf
/etc/ca-certificates.conf /etc/host.conf     /etc/nftables.conf /etc/sudo_logsrvd.conf
/etc/dante.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/kerneloops.conf /etc/pnm2ppa.conf   /etc/usb_modeswitch.conf
/etc/e2scrub.conf      /etc/ld.so.conf    /etc/resolv.conf    /etc/xattr.conf
jqaqish@jqaqish-VirtualBox:~$ ls -lSgGh --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
jqaqish@jqaqish-VirtualBox:~$ _
```

## Question 2



```

Applications  Places

Tilix: jqaqish@jqaqish-VirtualBox: ~/lab6

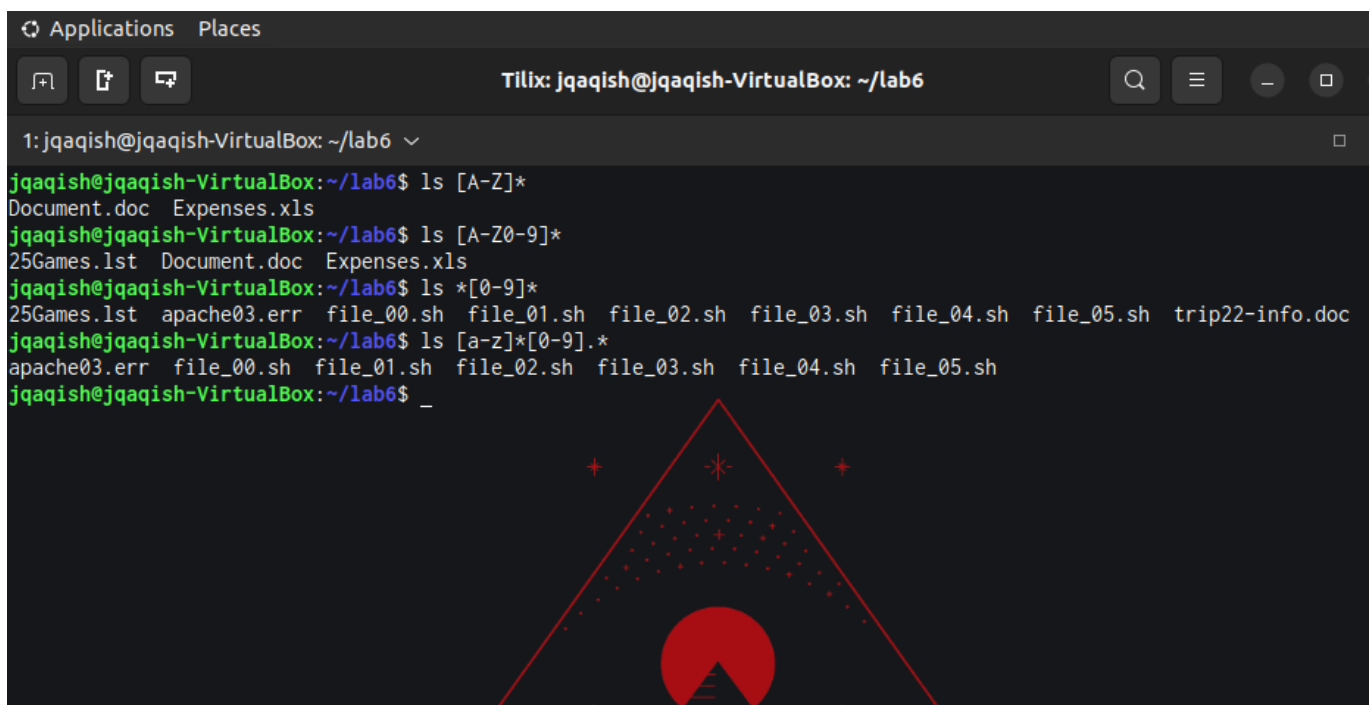
1: jqaqish@jqaqish-VirtualBox: ~/lab6 ▾

jqaqish@jqaqish-VirtualBox:~$ cd lab6/
jqaqish@jqaqish-VirtualBox:~/lab6$ ls .??*
.appveyor.yml      .eslinttrc.yml      .jshintignore        .profile
.auto-changelog     .gitattributes       .jshintrc           .startup-incomplete
.babelrc           .gitconfig          .keep               .sudo_as_admin_successful
.bash_history       .gitkeep            .last_revision      .tern-project
.bash_logout        .gitmodules         .lessht            .testignore
.bashrc            .gsd-keyboard.settings-ported .lint               .tm_properties
.changed           .hidden             .metadata-v2        .tonic_example.js
.cis106.png        .hidden1.doc        .meta.isrunning     .travis.yml
.coveralls.yml     .hidden1.py         .min-wd            .uuid
.dir-locals.el     .hidden2.doc        .npmignore          .vboxclient-clipboard.pid
.editorconfig      .hidden2.py         .nycrc             .vboxclient-draganddrop.pid
.envrc            .hiddenFile.txt     .obsolete           .vboxclient-seamless.pid
.eslintignore      .htaccess           .padding            .vboxclient-vmtoolsd-session-tty2.pid
.eslinttrc         .istanbul.yml       .parentlock         .vsixmanifest
.eslinttrc.js      .jscs.json          .prettierrc         .prettierrc.yaml
.eslinttrc.json    .jscsrc             .prettierrc.yaml

jqaqish@jqaqish-VirtualBox:~/lab6$ ls -A *.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
jqaqish@jqaqish-VirtualBox:~/lab6$ ls l?st*
last.txt list.txt lost.txt
jqaqish@jqaqish-VirtualBox:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
jqaqish@jqaqish-VirtualBox:~/lab6$ _

```

### Question 3



```

Applications  Places

Tilix: jqaqish@jqaqish-VirtualBox: ~/lab6

1: jqaqish@jqaqish-VirtualBox: ~/lab6 ▾

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

```

### Question 4

```
Applications  Places

Tilix: jqaqish@jqaqish-VirtualBox: ~/lab6

1:jqaqish@jqaqish-VirtualBox: ~/lab6

jqaqish@jqaqish-VirtualBox:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
jqaqish@jqaqish-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└──

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

6 directories, 0 files
jqaqish@jqaqish-VirtualBox:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
jqaqish@jqaqish-VirtualBox:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
jqaqish@jqaqish-VirtualBox:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
└──

7 directories, 4 files
jqaqish@jqaqish-VirtualBox:~/lab6$ _
```

```
Applications  Places

Tilix: jqaqish@jqaqish-VirtualBox: /usr/share

1:jqaqish@jqaqish-VirtualBox: /usr/share

jqaqish@jqaqish-VirtualBox:~/lab6$ mkdir ~/lab6-q5
jqaqish@jqaqish-VirtualBox:~/lab6$ cd /
jqaqish@jqaqish-VirtualBox:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
jqaqish@jqaqish-VirtualBox:/$ cd /usr/share/
jqaqish@jqaqish-VirtualBox:/usr/share$ mkdir ~/lab6-q5/movies
jqaqish@jqaqish-VirtualBox:/usr/share$ touch ~/lab6-q5/movies/{movies.list,marvel.txt,disney.doc}
jqaqish@jqaqish-VirtualBox:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
jqaqish@jqaqish-VirtualBox:/usr/share$ tree ~/lab6-q5/
/home/jqaqish/lab6-q5/
├── data.xls
└── movies
    └── movies.list

1 directory, 2 files
jqaqish@jqaqish-VirtualBox:/usr/share$ _
```



## Question 5 Challenge

```
Applications  Places

1:jqaqish@jqaqish-VirtualBox: ~/challenge-Lab6  v

jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mkdir -p audio/{aac,mp3}
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mkdir -p docs/{docx,pdf,xls}
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mkdir -p images/{jpg,png}
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ tree ~/challenge-Lab6/
/home/jqaqish/challenge-Lab6/
├── audio
│   ├── aac
│   └── mp3
├── docs
│   ├── docx
│   ├── pdf
│   └── xls
├── docs1.docx
├── docs1.pdf
├── docs2.docx
├── docs2.pdf
├── image1.gif
├── image1.jpg
├── image1.png
├── image2.gif
├── image2.jpg
├── image2.png
├── images
│   ├── jpg
│   └── png
├── program.go
├── program.py
├── program.rb
├── program.sh
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3
```

```
Applications  Places

1:jqaqish@jqaqish-VirtualBox: ~/challenge-Lab6  v

jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv ~/c
challenge-Lab6/ cis106/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *aac ~/challenge-Lab6/audio/aac/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ ls ~/challenge-Lab6/audio/aac/
song1.aac  song2.aac
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *mp3 ~/challenge-Lab6/audio/mp3/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *docx ~/challenge-Lab6/docs/docx/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *pdf ~/c
challenge-Lab6/ cis106/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *pdf ~/challenge-Lab6/docs/pdf/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *xls ~/challenge-Lab6/docs/xls/
mv: cannot stat '*xls': No such file or directory
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *jpg ~/challenge-Lab6/images/jpg/
jqaqish@jqaqish-VirtualBox:~/challenge-Lab6$ mv *png ~/challenge-Lab6/images/png/
```

```
jqaqish@jqaqish-VirtualBox: ~/challenge-Lab6$ mv x.png ~/challenge-Lab6/images/png/
jqaqish@jqaqish-VirtualBox: ~/challenge-Lab6$ tree ~/challenge-Lab6/
/home/jqaqish/challenge-Lab6/
├── 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
```