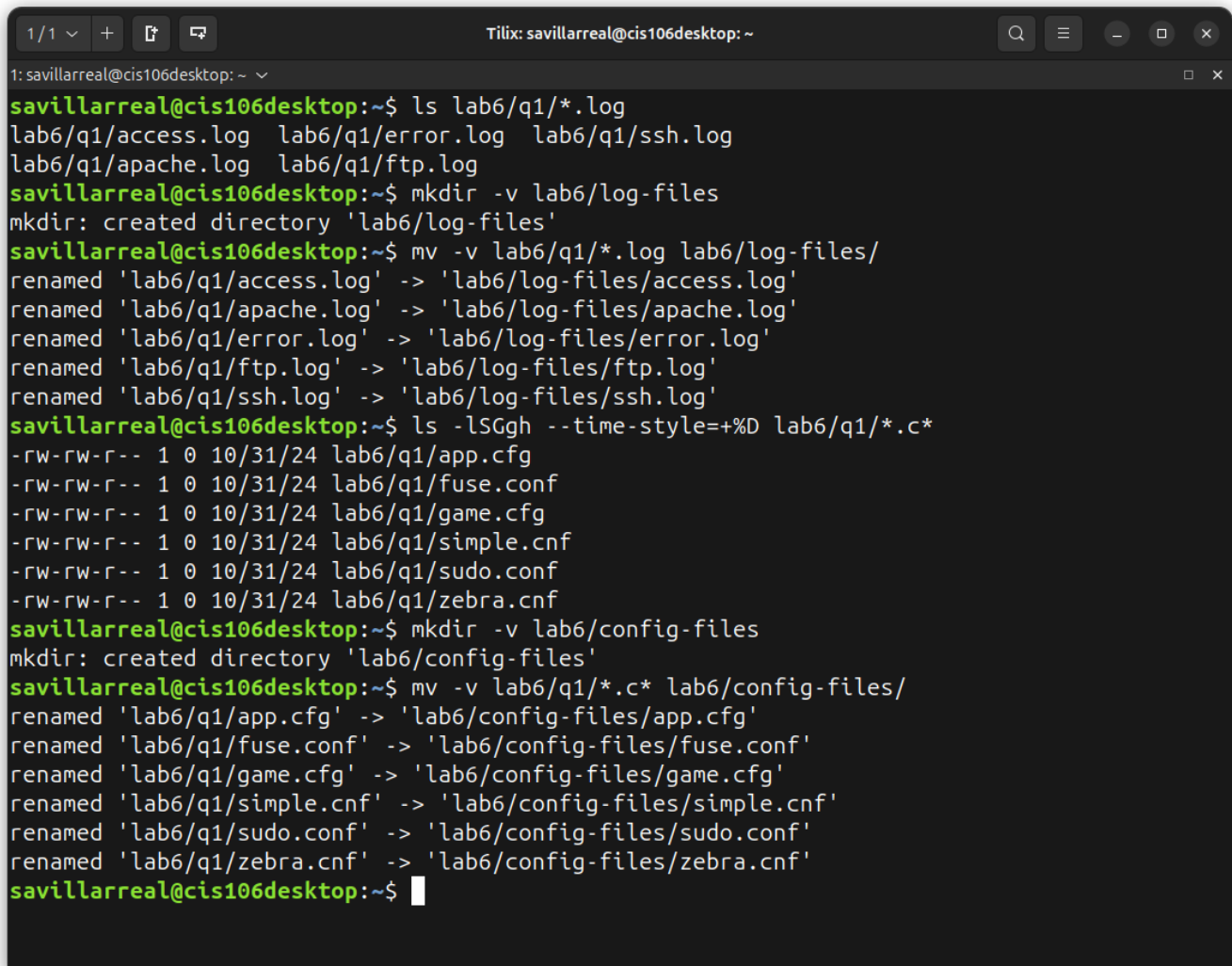


Lab 6 Submission

Question 1



```
Tilix: savillarreal@cis106desktop: ~
1: savillarreal@cis106desktop: ~
savillarreal@cis106desktop:~$ ls lab6/q1/*.log
lab6/q1/access.log  lab6/q1/error.log  lab6/q1/ssh.log
lab6/q1/apache.log  lab6/q1/ftp.log
savillarreal@cis106desktop:~$ mkdir -v lab6/log-files
mkdir: created directory 'lab6/log-files'
savillarreal@cis106desktop:~$ mv -v lab6/q1/*.log lab6/log-files/
renamed 'lab6/q1/access.log' -> 'lab6/log-files/access.log'
renamed 'lab6/q1/apache.log' -> 'lab6/log-files/apache.log'
renamed 'lab6/q1/error.log' -> 'lab6/log-files/error.log'
renamed 'lab6/q1/ftp.log' -> 'lab6/log-files/ftp.log'
renamed 'lab6/q1/ssh.log' -> 'lab6/log-files/ssh.log'
savillarreal@cis106desktop:~$ ls -lSGgh --time-style=+%D lab6/q1/*.c*
-rw-rw-r-- 1 0 10/31/24 lab6/q1/app.cfg
-rw-rw-r-- 1 0 10/31/24 lab6/q1/fuse.conf
-rw-rw-r-- 1 0 10/31/24 lab6/q1/game.cfg
-rw-rw-r-- 1 0 10/31/24 lab6/q1/simple.cnf
-rw-rw-r-- 1 0 10/31/24 lab6/q1/sudo.conf
-rw-rw-r-- 1 0 10/31/24 lab6/q1/zebra.cnf
savillarreal@cis106desktop:~$ mkdir -v lab6/config-files
mkdir: created directory 'lab6/config-files'
savillarreal@cis106desktop:~$ mv -v lab6/q1/*.c* lab6/config-files/
renamed 'lab6/q1/app.cfg' -> 'lab6/config-files/app.cfg'
renamed 'lab6/q1/fuse.conf' -> 'lab6/config-files/fuse.conf'
renamed 'lab6/q1/game.cfg' -> 'lab6/config-files/game.cfg'
renamed 'lab6/q1/simple.cnf' -> 'lab6/config-files/simple.cnf'
renamed 'lab6/q1/sudo.conf' -> 'lab6/config-files/sudo.conf'
renamed 'lab6/q1/zebra.cnf' -> 'lab6/config-files/zebra.cnf'
savillarreal@cis106desktop:~$
```

Question 2

```

1: savillarreal@cis106desktop: ~
savillarreal@cis106desktop:~$ mv -v lab6/q2/[lr][aeiou]*[0-9].* lab6/random/
renamed 'lab6/q2/[lr][aeiou]*[0-9].*' -> 'lab6/random/'
savillarreal@cis106desktop:~$

3: savillarreal@cis106desktop: ~
savillarreal@cis106desktop:~$ tree lab6/
lab6/
├── config-files
│   ├── app.cfg
│   ├── fuse.conf
│   ├── game.cfg
│   ├── simple.cnf
│   ├── sudo.conf
│   └── zebra.cnf
├── hidden-files
├── log-files
│   ├── access.log
│   ├── apache.log
│   ├── error.log
│   ├── ftp.log
│   └── ssh.log
├── q1
├── q2
├── q3
│   ├── _files.old
│   ├── _files.old
│   └── _files.old
└── random
    ├── last_0.txt
    ├── last_1.txt
    ├── last_2.txt
    ├── last_3.txt
    ├── list_0.txt
    ├── list_1.txt
    ├── list_2.txt
    ├── list_3.txt
    ├── lost_0.txt
    ├── lost_1.txt
    ├── lost_2.txt
    ├── lost_3.txt
    ├── rest_0.txt
    ├── rest_1.txt
    ├── rust_0.txt
    └── rust_1.txt
8 directories, 30 files

2: savillarreal@cis106desktop: ~
savillarreal@cis106desktop:~$ mkdir -v lab6/hidden-files
mkdir: created directory 'lab6/hidden-files'
savillarreal@cis106desktop:~$ ls lab6/q2/*
lab6/q2/.code  lab6/q2/.helper  lab6/q2/.index  lab6/q2/.unit_test
savillarreal@cis106desktop:~$ cp -v lab6/q2/* lab6/hidden-files/
'lab6/q2/.code' -> 'lab6/hidden-files/.code'
'lab6/q2/.helper' -> 'lab6/hidden-files/.helper'
'lab6/q2/.index' -> 'lab6/hidden-files/.index'
'lab6/q2/.unit_test' -> 'lab6/hidden-files/.unit_test'
savillarreal@cis106desktop:~$ ls lab6/q2/*.*
lab6/q2/code.go  lab6/q2/code.js  lab6/q2/code.py  lab6/q2/code.rb  lab6/q2/code.sh
savillarreal@cis106desktop:~$ rm -v lab6/q2/*.*
removed 'lab6/q2/code.go'
removed 'lab6/q2/code.js'
removed 'lab6/q2/code.py'
removed 'lab6/q2/code.rb'
removed 'lab6/q2/code.sh'
savillarreal@cis106desktop:~$ ls lab6/q2/T*.*
lab6/q2/Trip_doc.docx  lab6/q2/Trip_doc.pptx  lab6/q2/Trip_doc.vsd  lab6/q2/Trip_doc.xlsx
savillarreal@cis106desktop:~$ rm -v lab6/q2/T*.*
removed 'lab6/q2/Trip_doc.docx'
removed 'lab6/q2/Trip_doc.pptx'
removed 'lab6/q2/Trip_doc.vsd'
removed 'lab6/q2/Trip_doc.xlsx'
savillarreal@cis106desktop:~$ ls -A lab6/q2/[lr][aeiou]*[0-9].*
lab6/q2/last_0.txt  lab6/q2/list_0.txt  lab6/q2/lost_0.txt  lab6/q2/rest_0.txt
lab6/q2/last_1.txt  lab6/q2/list_1.txt  lab6/q2/lost_1.txt  lab6/q2/rest_1.txt
lab6/q2/last_2.txt  lab6/q2/list_2.txt  lab6/q2/lost_2.txt  lab6/q2/rust_0.txt
lab6/q2/last_3.txt  lab6/q2/list_3.txt  lab6/q2/lost_3.txt  lab6/q2/rust_1.txt
savillarreal@cis106desktop:~$ mkdir -v lab6/random
mkdir: created directory 'lab6/random'
savillarreal@cis106desktop:~$

```

Question 3.1

```

1: savillarreal@cis106desktop: ~
savillarreal@cis106desktop:~$ mkdir -pv lab6/cars/{1080p,2k,4k}
mkdir: created directory 'lab6/cars'
mkdir: created directory 'lab6/cars/1080p'
mkdir: created directory 'lab6/cars/2k'
mkdir: created directory 'lab6/cars/4k'
savillarreal@cis106desktop:~$ mkdir -pv lab6/wallpapers/cars/{1080p,2k,4k}
mkdir: created directory 'lab6/wallpapers'
mkdir: created directory 'lab6/wallpapers/cars'
mkdir: created directory 'lab6/wallpapers/cars/1080p'
mkdir: created directory 'lab6/wallpapers/cars/2k'
mkdir: created directory 'lab6/wallpapers/cars/4k'
savillarreal@cis106desktop:~$ tree lab6/wallpapers/
lab6/wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
5 directories, 0 files
savillarreal@cis106desktop:~$

```

Question 3.2

```
Tilix: savillarreal@cis106desktop: ~  
1: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ mkdir -pv lab6/assets/{imgs,video}/{large,small}  
mkdir: created directory 'lab6/assets'  
mkdir: created directory 'lab6/assets/imgs'  
mkdir: created directory 'lab6/assets/imgs/large'  
mkdir: created directory 'lab6/assets/imgs/small'  
mkdir: created directory 'lab6/assets/video'  
mkdir: created directory 'lab6/assets/video/large'  
mkdir: created directory 'lab6/assets/video/small'  
savillarreal@cis106desktop:~$ tree lab6/assets  
lab6/assets  
├── imgs  
│   ├── large  
│   └── small  
└── video  
    ├── large  
    └── small  
  
7 directories, 0 files  
savillarreal@cis106desktop:~$
```

Question 3.3

```
Tilix: savillarreal@cis106desktop: ~  
1: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ mkdir -pv lab6/docs/books/{history/{fall,spring},math/{2024,2025}}  
mkdir: created directory 'lab6/docs'  
mkdir: created directory 'lab6/docs/books'  
mkdir: created directory 'lab6/docs/books/history'  
mkdir: created directory 'lab6/docs/books/history/fall'  
mkdir: created directory 'lab6/docs/books/history/spring'  
mkdir: created directory 'lab6/docs/books/math'  
mkdir: created directory 'lab6/docs/books/math/2024'  
mkdir: created directory 'lab6/docs/books/math/2025'  
savillarreal@cis106desktop:~$ touch lab6/docs/books/{history/{fall,spring},math/{2024,2025}}/book.pdf  
savillarreal@cis106desktop:~$ tree lab6/docs/  
lab6/docs/  
├── books  
│   ├── history  
│   │   ├── fall  
│   │   │   └── book.pdf  
│   │   └── spring  
│   │       └── book.pdf  
│   └── math  
│       ├── 2024  
│       │   └── book.pdf  
│       └── 2025  
│           └── book.pdf  
  
8 directories, 4 files  
savillarreal@cis106desktop:~$
```

Question 3.4

```
Tilix: savillarreal@cis106desktop: /  
1: savillarreal@cis106desktop: /  
savillarreal@cis106desktop:~$ cd /  
savillarreal@cis106desktop:/$ touch ~/lab6/q3/{program.py,people.csv,data.xls}  
savillarreal@cis106desktop:/$ rm ~/lab6/q3/_file{0..2}.old  
  
savillarreal@cis106desktop:/$ tree ~/lab6/q3  
/home/savillarreal/lab6/q3  
├── data.xls  
├── people.csv  
└── program.py  
  
1 directory, 3 files  
savillarreal@cis106desktop:/$
```

Challenge Question

```
Tilix: savillarreal@cis106desktop: ~  
1: savillarreal@cis106desktop: ~  
The /home/savillarreal/challenge-Lab6 directory has been created  
Files in /home/savillarreal/challenge-Lab6  
file-sample_1MB.doc  
2ein.gif  
3ein.jpg  
music.mp3  
Breakers1.mp4  
Sonicwings2.mp4  
file-sample_100kB.odt  
sound_track.ogg  
file-sample_150kB.pdf  
helloWorld.pl  
1ein.png  
helloWorld.py  
helloWorld.rb  
helloWorld.sh  
track.wav  
savillarreal@cis106desktop:~$ curl https://cis106.com/assets/lab6/lab6cq.sh | bash  
3: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ ls -XR challenge-Lab6/  
challenge-Lab6/  
docs images media scripts  
  
challenge-Lab6/docs:  
file-sample_1MB.doc file-sample_100kB.odt file-sample_150kB.pdf  
  
challenge-Lab6/images:  
2ein.gif 3ein.jpg 1ein.png  
  
challenge-Lab6/media:  
music.mp3 Breakers1.mp4 Sonicwings2.mp4 sound_track.ogg track.wav  
  
challenge-Lab6/scripts:  
helloWorld.pl helloWorld.py helloWorld.rb helloWorld.sh  
savillarreal@cis106desktop:~$  
2: savillarreal@cis106desktop: ~/challenge-Lab6  
savillarreal@cis106desktop:~/challenge-Lab6$ cd challenge-Lab6/  
savillarreal@cis106desktop:~/challenge-Lab6$ mkdir -pv {images,media,docs,scripts}  
mkdir: created directory 'images'  
mkdir: created directory 'media'  
mkdir: created directory 'docs'  
mkdir: created directory 'scripts'  
savillarreal@cis106desktop:~/challenge-Lab6$ mv -v ?ein.* images  
renamed '1ein.png' -> 'images/1ein.png'  
renamed '2ein.gif' -> 'images/2ein.gif'  
renamed '3ein.jpg' -> 'images/3ein.jpg'  
savillarreal@cis106desktop:~/challenge-Lab6$ mv -v {*.mp?,*track*} media  
renamed 'Breakers1.mp4' -> 'media/Breakers1.mp4'  
renamed 'music.mp3' -> 'media/music.mp3'  
renamed 'Sonicwings2.mp4' -> 'media/Sonicwings2.mp4'  
renamed 'sound_track.ogg' -> 'media/sound_track.ogg'  
renamed 'track.wav' -> 'media/track.wav'  
savillarreal@cis106desktop:~/challenge-Lab6$ mv -v *[0-9]*B.* docs  
renamed 'file-sample_100kB.odt' -> 'docs/file-sample_100kB.odt'  
renamed 'file-sample_150kB.pdf' -> 'docs/file-sample_150kB.pdf'  
renamed 'file-sample_1MB.doc' -> 'docs/file-sample_1MB.doc'  
savillarreal@cis106desktop:~/challenge-Lab6$ mv -v *World.* scripts  
renamed 'helloWorld.pl' -> 'scripts/helloWorld.pl'  
renamed 'helloWorld.py' -> 'scripts/helloWorld.py'  
renamed 'helloWorld.rb' -> 'scripts/helloWorld.rb'  
renamed 'helloWorld.sh' -> 'scripts/helloWorld.sh'  
savillarreal@cis106desktop:~/challenge-Lab6$
```