

Lab 6 Submission

Question 1

```
jaleman2@jaleman2-VirtualBox:~$ cd lab6/
jaleman2@jaleman2-VirtualBox:~/lab6$ ls
q1 q2 q3
jaleman2@jaleman2-VirtualBox:~/lab6$ cd q1
jaleman2@jaleman2-VirtualBox:~/lab6/q1$ ls
access.log app.cfg ftp.log game.cfg ssh.log zebra.cnf
apache.log error.log fuse.conf simple.cnf sudo.conf
jaleman2@jaleman2-VirtualBox:~/lab6/q1$ ls *.log
access.log apache.log error.log ftp.log ssh.log
jaleman2@jaleman2-VirtualBox:~/lab6/q1$ mkdir ../log-files
jaleman2@jaleman2-VirtualBox:~/lab6/q1$ mv *.log ../log-files/
jaleman2@jaleman2-VirtualBox:~/lab6/q1$
```

```
jaleman2@jaleman2-VirtualBox:~$ ls -l lab6/q1/*.*
-rw-rw-r-- 1 jaleman2 jaleman2 0 Oct 31 20:13 lab6/q1/app.cfg
-rw-rw-r-- 1 jaleman2 jaleman2 0 Oct 31 20:13 lab6/q1/fuse.conf
-rw-rw-r-- 1 jaleman2 jaleman2 0 Oct 31 20:13 lab6/q1/game.cfg
-rw-rw-r-- 1 jaleman2 jaleman2 0 Oct 31 20:13 lab6/q1/simple.cnf
-rw-rw-r-- 1 jaleman2 jaleman2 0 Oct 31 20:13 lab6/q1/sudo.conf
-rw-rw-r-- 1 jaleman2 jaleman2 0 Oct 31 20:13 lab6/q1/zebra.cnf
jaleman2@jaleman2-VirtualBox:~$ ls -lgH5 lab6/q1/*.*
-rw-rw-r-- 1 0 Oct 31 20:13 lab6/q1/app.cfg
-rw-rw-r-- 1 0 Oct 31 20:13 lab6/q1/fuse.conf
-rw-rw-r-- 1 0 Oct 31 20:13 lab6/q1/game.cfg
-rw-rw-r-- 1 0 Oct 31 20:13 lab6/q1/simple.cnf
-rw-rw-r-- 1 0 Oct 31 20:13 lab6/q1/sudo.conf
-rw-rw-r-- 1 0 Oct 31 20:13 lab6/q1/zebra.cnf
jaleman2@jaleman2-VirtualBox:~$ ls -lgH5 --time-style=+%D lab6/q1/*.*
ls: cannot access 'lab6/q1/*.*': No such file or directory
jaleman2@jaleman2-VirtualBox:~$ ls -lgH5 --time-style=+%D lab6/q1/*.*
-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
jaleman2@jaleman2-VirtualBox:~$
```

Question 2

```
1: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ mkdir lab6/hidden-files/
jaleman2@jaleman2-VirtualBox:~$ ls lab6/q2/.??*
lab6/q2/.code lab6/q2/.helper lab6/q2/.index lab6/q2/.unit_test
jaleman2@jaleman2-VirtualBox:~$ cp lab6/q2/.??*
cp: target 'lab6/q2/.unit_test': Not a directory
jaleman2@jaleman2-VirtualBox:~$ cp lab6/q2/.??* lab6/hidden-files/
jaleman2@jaleman2-VirtualBox:~$ ls lab6/q2/*.*
lab6/q2/code.go lab6/q2/code.js lab6/q2/code.py lab6/q2/code.rb lab6/q2/code.sh
jaleman2@jaleman2-VirtualBox:~$ rm lab6/q2/*.*
jaleman2@jaleman2-VirtualBox:~$ ls lab6/q2/T*.*
lab6/q2/Trip_doc.docx lab6/q2/Trip_doc.pptx lab6/q2/Trip_doc.vsd
lab6/q2/Trip_doc.xlsx
jaleman2@jaleman2-VirtualBox:~$ rm lab6/q2/T*.*
jaleman2@jaleman2-VirtualBox:~$ ls 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
jaleman2@jaleman2-VirtualBox:~$ mkdir lab6/random
jaleman2@jaleman2-VirtualBox:~$ mv lab6/q2/[lr][aeiou]*[0-9].* lab6/random/
jaleman2@jaleman2-VirtualBox:~$
```

```
2: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ tree -a lab6/hidden-files/
lab6/hidden-files/
├── .code
├── .helper
├── .index
└── .unit_test

1 directory, 4 files
jaleman2@jaleman2-VirtualBox:~$
```

```
3: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ tree lab6/q2
lab6/q2
├── code.go
├── code.js
├── code.py
├── code.rb
├── code.sh
├── 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
├── Trip_doc.docx
├── Trip_doc.pptx
├── Trip_doc.vsd
└── Trip_doc.xlsx

1 directory, 25 files
jaleman2@jaleman2-VirtualBox:~$
```

```
4: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ ls lab6/q2
jaleman2@jaleman2-VirtualBox:~$
```

Question 3

```
1: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ 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'
jaleman2@jaleman2-VirtualBox:~$ tree lab6/wallpapers/
lab6/wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└── 5 directories, 0 files
jaleman2@jaleman2-VirtualBox:~$ cd /
jaleman2@jaleman2-VirtualBox:/$ touch ~/lab6/q3/{program.py,people.csv,data.xls}
jaleman2@jaleman2-VirtualBox:/$ rm ~/lab6/q3/_file{0..2}.old
jaleman2@jaleman2-VirtualBox:/$
```

```
2: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ mkdir -p lab6/assets/{imgs,video}/{large,small}
jaleman2@jaleman2-VirtualBox:~$ tree lab6/assets/
lab6/assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

7 directories, 0 files
jaleman2@jaleman2-VirtualBox:~$
```

```
3: jaleman2@jaleman2-VirtualBox: ~
Try 'touch --help' for more information.
jaleman2@jaleman2-VirtualBox:~$ touch lab6/docs
/books/{history,{fall,spring},math/{2024,2025}}
/book.pdf
jaleman2@jaleman2-VirtualBox:~$ tree lab6/docs/
lab6/docs/
├── history
│   ├── fall
│   │   └── book.pdf
│   └── spring
│       └── book.pdf
└── math
    ├── 2024
    │   └── book.pdf
    └── 2025
        └── book.pdf

8 directories, 4 files
jaleman2@jaleman2-VirtualBox:~$
```

```
4: jaleman2@jaleman2-VirtualBox: ~
jaleman2@jaleman2-VirtualBox:~$ tree lab6/q3/
lab6/q3/
├── data.xls
├── people.csv
└── program.py

1 directory, 3 files
jaleman2@jaleman2-VirtualBox:~$
```

Challenge Question

I accidentally made a mistake with moving a group of file types into a different folder, that is why you see the same file types in the a command twice

```
1:jaleman2@jaleman2-VirtualBox: ~ ▾
jaleman2@jaleman2-VirtualBox:~$ mkdir -p challenge-Lab6/{images,videos,documents,scripts,audio}

jaleman2@jaleman2-VirtualBox:~$ mv challenge-Lab6/*.{png,jpg,gif} challenge-Lab6/images/
jaleman2@jaleman2-VirtualBox:~$ mv challenge-Lab6/*.{mp4,ogg,wav} challenge-Lab6/videos/
jaleman2@jaleman2-VirtualBox:~$ mv challenge-Lab6/*.{doc,odt,pdf} challenge-Lab6/documents/
jaleman2@jaleman2-VirtualBox:~$ mv challenge-Lab6/*.{pl,py,rb,sh} challenge-Lab6/scripts/
jaleman2@jaleman2-VirtualBox:~$ mv challenge-Lab6/*.{mp3,ogg,wav} challenge-Lab6/audio/
jaleman2@jaleman2-VirtualBox:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── music.mp3
│   ├── sound_track.ogg
│   └── track.wav
├── documents
│   ├── file-sample_100kB.odt
│   ├── file-sample_150kB.pdf
│   └── file-sample_1MB.doc
├── images
│   ├── 1ein.png
│   ├── 2ein.gif
│   └── 3ein.jpg
├── scripts
│   ├── helloWorld.pl
│   ├── helloWorld.py
│   ├── helloWorld.rb
│   └── helloWorld.sh
└── videos
    ├── Breakers1.mp4
    └── Sonicwings2.mp4

6 directories, 15 files
jaleman2@jaleman2-VirtualBox:~$
```