

Lab 6

Q1

```
1/1 + [ ] [ ]
Tilix: hrmartinez@cis106: ~
1: hrmartinez@cis106: ~/lab6/q1
ed
100 471 100 471 0 0 2680 0 ---:---: ---:---: ---:---: 2
691
hrmartinez@cis106:~$ cd lab6/
hrmartinez@cis106:~/lab6$ cd q1
hrmartinez@cis106:~/lab6/q1$ ls
access.log apache.log app.cfg error.log ftp.log fuse.conf game.cfg s
imple.cnf ssh.log sudo.conf zebra.cnf
hrmartinez@cis106:~/lab6/q1$ ls *.log
access.log apache.log error.log ftp.log ssh.log
hrmartinez@cis106:~/lab6/q1$ mkdir ../log-files
hrmartinez@cis106:~/lab6/q1$ mv *.log ../log-files

hrmartinez@cis106:~/lab6/q1$ ls -l lab6/q1/*.c*
ls: cannot access 'lab6/q1/*.c*': No such file or directory
hrmartinez@cis106:~/lab6/q1$

2: hrmartinez@cis106: ~
hrmartinez@cis106:~$ ls -l lab6/q1/*.c*
-rw-rw-r-- 1 hrmartinez hrmartinez 0 Nov 7 22:30 lab6/q1/app.cfg
-rw-rw-r-- 1 hrmartinez hrmartinez 0 Nov 7 22:30 lab6/q1/fuse.conf
-rw-rw-r-- 1 hrmartinez hrmartinez 0 Nov 7 22:30 lab6/q1/game.cfg
-rw-rw-r-- 1 hrmartinez hrmartinez 0 Nov 7 22:30 lab6/q1/simple.cnf
-rw-rw-r-- 1 hrmartinez hrmartinez 0 Nov 7 22:30 lab6/q1/sudo.conf
-rw-rw-r-- 1 hrmartinez hrmartinez 0 Nov 7 22:30 lab6/q1/zebra.cnf
hrmartinez@cis106:~$ ls -lgHs --time-style=%D lab6/q1/*.c*
0 -rw-rw-r-- 1 0 11/07/24 lab6/q1/app.cfg
0 -rw-rw-r-- 1 0 11/07/24 lab6/q1/fuse.conf
0 -rw-rw-r-- 1 0 11/07/24 lab6/q1/game.cfg
0 -rw-rw-r-- 1 0 11/07/24 lab6/q1/simple.cnf
0 -rw-rw-r-- 1 0 11/07/24 lab6/q1/sudo.conf
0 -rw-rw-r-- 1 0 11/07/24 lab6/q1/zebra.cnf
hrmartinez@cis106:~$ mkdir -p lab6/config-files
hrmartinez@cis106:~$ mv lab6/q1/*.conf lab6/q1/*.cfg lab6/q1/*.cnf lab6/con
fig-files/

hrmartinez@cis106:~$ ls lab6/config-files
app.cfg fuse.conf game.cfg simple.cnf sudo.conf zebra.cnf
hrmartinez@cis106:~$
```

Q2

```
1/1 v + T T Tilix: hrmartinez@cis106: ~  
1: hrmartinez@cis106: ~  
hrmartinez@cis106:~$ mkdir lab6/hidden-files/  
hrmartinez@cis106:~$ ls lab6/q2/.??*  
  
lab6/q2/.code lab6/q2/.helper lab6/q2/.index lab6/q2/.unit_test  
hrmartinez@cis106:~$ 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'  
hrmartinez@cis106:~$ ls lab6/q2/.??*  
lab6/q2/code.go lab6/q2/code.js lab6/q2/code.py lab6/q2/code.rb lab6/q2/code.sh  
hrmartinez@cis106:~$ rm lab6/q2/.??*  
  
hrmartinez@cis106:~$ ls lab6/q2/*.????  
lab6/q2/Trip_doc.docx lab6/q2/Trip_doc.vsd  
lab6/q2/Trip_doc.pptx lab6/q2/Trip_doc.xlsx  
hrmartinez@cis106:~$ ls lab6/q2/*.??x  
lab6/q2/Trip_doc.docx lab6/q2/Trip_doc.vsd  
lab6/q2/Trip_doc.pptx lab6/q2/Trip_doc.xlsx  
hrmartinez@cis106:~$ ls lab6/q2/T*.????  
lab6/q2/Trip_doc.docx lab6/q2/Trip_doc.vsd  
lab6/q2/Trip_doc.pptx lab6/q2/Trip_doc.xlsx  
hrmartinez@cis106:~$ rm -v lab6/q2/*.??x  
removed 'lab6/q2/Trip_doc.docx'  
removed 'lab6/q2/Trip_doc.pptx'  
removed 'lab6/q2/Trip_doc.vsd'  
removed 'lab6/q2/Trip_doc.xlsx'  
hrmartinez@cis106:~$ 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  
hrmartinez@cis106:~$ mkdir lab6/random  
hrmartinez@cis106:~$ mv lab6/q2/[lr][aeiou]*[0-9].* lab6/random/  
hrmartinez@cis106:~$
```

Q3

```
1/1 v + T T Tilix: hrmartinez@cis106: /  
1: hrmartinez@cis106: /  
2: hrmartinez@cis106: ~  
hrmartinez@cis106:~$ 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'  
hrmartinez@cis106:~$ tree lab6/wallpapers/  
lab6/wallpapers/  
├── cars  
│   ├── 1080p  
│   ├── 2k  
│   └── 4k  
5 directories, 0 files  
hrmartinez@cis106:~$ cd /  
hrmartinez@cis106:/ $ touch ~/lab6/q3/{program.py,people.csv,data.xls}  
hrmartinez@cis106:/ $ rm ~/lab6/q3/_file{0..2}.old  
hrmartinez@cis106:/ $  
  
2: hrmartinez@cis106: ~  
hrmartinez@cis106:~$ mkdir -pv lab6/assets/{imgs,videos}/{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/videos'  
mkdir: created directory 'lab6/assets/videos/large'  
mkdir: created directory 'lab6/assets/videos/small'  
hrmartinez@cis106:~$ tree lab6/assets/  
lab6/assets/  
├── imgs  
│   ├── large  
│   └── small  
└── videos  
    ├── large  
    └── small  
7 directories, 0 files  
hrmartinez@cis106:~$  
  
3: hrmartinez@cis106: ~  
hrmartinez@cis106:~$ 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'  
hrmartinez@cis106:~$ touch lab6/docs/books/{history/{fall,spring},math/  
/{2024,2025}}/book.pdf  
hrmartinez@cis106:~$ tree lab6/docs/  
lab6/docs/  
├── books  
│   ├── history  
│   │   ├── fall  
│   │   │   └── book.pdf  
│   │   └── spring  
│   │       └── book.pdf  
│   └── math  
│       ├── 2024  
│       │   └── book.pdf  
│       └── 2025  
│           └── book.pdf  
1 directory, 6 files  
hrmartinez@cis106:~$  
  
4: hrmartinez@cis106: ~  
hrmartinez@cis106:~$ tree lab6/q3  
lab6/q3  
├── data.xls  
├── _file0.old  
├── _file1.old  
├── _file2.old  
├── people.csv  
└── program.py  
1 directory, 6 files  
hrmartinez@cis106:~$ tree lab6/q3  
lab6/q3  
├── data.xls  
├── people.csv  
└── program.py  
1 directory, 3 files  
hrmartinez@cis106:~$
```

Q4 (Challenge Question)

```
1: hrmartinez@cis106: ~  
hrmartinez@cis106:~$ mkdir -pv challenge-lab6/{audio/{acc,mp},docs,images,scripts}  
mkdir: created directory 'challenge-lab6'  
mkdir: created directory 'challenge-lab6/audio'  
mkdir: created directory 'challenge-lab6/audio/acc'  
mkdir: created directory 'challenge-lab6/audio/mp'  
mkdir: created directory 'challenge-lab6/docs'  
mkdir: created directory 'challenge-lab6/images'  
mkdir: created directory 'challenge-lab6/scripts'  
hrmartinez@cis106:~$ mv challenge-Lab6/[1-9]*[n].* challenge-lab6/images/  
hrmartinez@cis106:~$ mv challenge-Lab6/[h]*[d].* challenge-lab6/scripts/  
hrmartinez@cis106:~$ mv challenge-Lab6/*.{mp4,mp3} challenge-lab6/audio/mp  
hrmartinez@cis106:~$ mv challenge-Lab6/*.{wav,ogg} challenge-lab6/audio/acc  
hrmartinez@cis106:~$ mv challenge-Lab6/file-* ~/challenge-lab6/docs  
hrmartinez@cis106:~$ tree challenge-lab6/  
challenge-lab6/  
├── audio  
│   ├── acc  
│   │   ├── sound_track.ogg  
│   │   └── track.wav  
│   └── mp  
│       ├── Breakers1.mp4  
│       ├── music.mp3  
│       └── Sonicwings2.mp4  
├── docs  
│   ├── 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  
  
7 directories, 15 files  
hrmartinez@cis106:~$  
  
2: hrmartinez@cis106: ~  
lab6ChallengeFiles/1ein.png  
lab6ChallengeFiles/3ein.jpg  
lab6ChallengeFiles/file-sample_150kB.pdf  
lab6ChallengeFiles/2ein.gif  
lab6ChallengeFiles/file-sample_1MB.doc  
lab6ChallengeFiles/file-sample_100kB.odt  
lab6ChallengeFiles/helloWorld.py  
lab6ChallengeFiles/helloWorld.rb  
lab6ChallengeFiles/helloWorld.sh  
lab6ChallengeFiles/helloWorld.pl  
lab6ChallengeFiles/Sonicwings2.mp4  
lab6ChallengeFiles/Breakers1.mp4  
lab6ChallengeFiles/track.wav  
lab6ChallengeFiles/sound_track.ogg  
  
The /home/hrmartinez/challenge-Lab6 directory has been created  
Files in /home/hrmartinez/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  
hrmartinez@cis106:~$ tree challenge-lab6/  
challenge-lab6/  
├── audio  
│   ├── acc  
│   └── mp  
├── docs  
├── images  
└── scripts  
  
7 directories, 0 files  
hrmartinez@cis106:~$
```