Lab 6

Q1

Q2

```
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.vsdx
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.vsdx
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.vsdx
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.vsdx'
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

```
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:/$
```

```
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:~$
```

```
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
```

```
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)
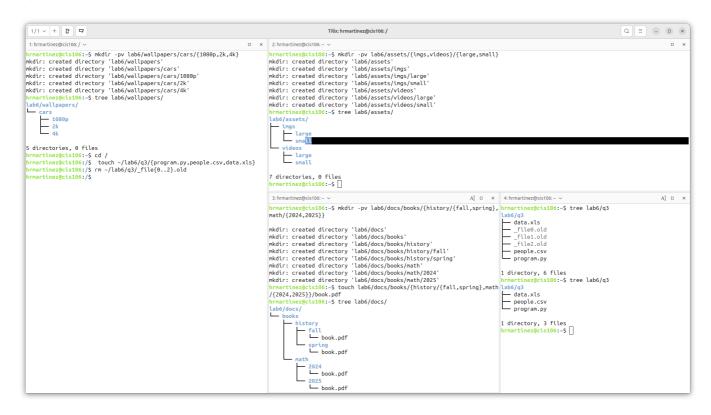
```
1/1 ▼  +  ▯  ▱                      Tilix: hrmartinez@cis106: ~                          🔍  ☰  ─  ▢  ✕

1: hrmartinez@cis106: ~ ▼                              ▢  ✕   2: hrmartinez@cis106: ~ ▼                              ▢  ✕

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

                                                            7 directories, 0 files
                                                            hrmartinez@cis106:~$ ▯
```