

Lab 6

q1

```
1/1  +  [icons]  Tilix: jgomez@cis106: ~

1: jgomez@cis106: ~/lab6/q1  [AI] [x]  2: jgomez@cis106: ~  [x] [x]

jgomez@cis106:~$ cd lab6/
jgomez@cis106:~/lab6$ ls
q1 q2 q3
jgomez@cis106:~/lab6$ cd q1
jgomez@cis106:~/lab6/q1$ ls
access.log  app.cfg  ftp.log  game.cfg  ssh.log  zebr
a.cnf
apache.log  error.log  fuse.conf  simple.cnf  sudo.conf
jgomez@cis106:~/lab6/q1$ ls *.log
access.log  apache.log  error.log  ftp.log  ssh.log
jgomez@cis106:~/lab6/q1$ mkdir ../log-files
jgomez@cis106:~/lab6/q1$ mv *.log ../log-files/
jgomez@cis106:~/lab6/q1$

jgomez@cis106:~$ ls -l lab6/q1/*.c*
-rw-rw-r-- 1 jgomez jgomez 0 Nov 10 22:17 lab6/q1/app.cfg
-rw-rw-r-- 1 jgomez jgomez 0 Nov 10 22:17 lab6/q1/fuse.conf
-rw-rw-r-- 1 jgomez jgomez 0 Nov 10 22:17 lab6/q1/game.cfg
-rw-rw-r-- 1 jgomez jgomez 0 Nov 10 22:17 lab6/q1/simple.cnf
-rw-rw-r-- 1 jgomez jgomez 0 Nov 10 22:17 lab6/q1/sudo.conf
-rw-rw-r-- 1 jgomez jgomez 0 Nov 10 22:17 lab6/q1/zebra.cnf
jgomez@cis106:~$ ls -lgHs lab6/q1/*.c*
-rw-rw-r-- 1 0 Nov 10 22:17 lab6/q1/app.cfg
-rw-rw-r-- 1 0 Nov 10 22:17 lab6/q1/fuse.conf
-rw-rw-r-- 1 0 Nov 10 22:17 lab6/q1/game.cfg
-rw-rw-r-- 1 0 Nov 10 22:17 lab6/q1/simple.cnf
-rw-rw-r-- 1 0 Nov 10 22:17 lab6/q1/sudo.conf
-rw-rw-r-- 1 0 Nov 10 22:17 lab6/q1/zebra.cnf
jgomez@cis106:~$ ls -lgHs --time-style=+%D lab6/q1/*.c*
-rw-rw-r-- 1 0 11/10/24 lab6/q1/app.cfg
-rw-rw-r-- 1 0 11/10/24 lab6/q1/fuse.conf
-rw-rw-r-- 1 0 11/10/24 lab6/q1/game.cfg
-rw-rw-r-- 1 0 11/10/24 lab6/q1/simple.cnf
-rw-rw-r-- 1 0 11/10/24 lab6/q1/sudo.conf
-rw-rw-r-- 1 0 11/10/24 lab6/q1/zebra.cnf
jgomez@cis106:~$
```

q2

```
1/1  +  [icons]  Tilix: jgomez@cis106: ~

1: jgomez@cis106: ~  [x] [x]  2: jgomez@cis106: ~  [x] [x]

jgomez@cis106:~$ mkdir lab6/hidden-files/
jgomez@cis106:~$ ls lab6/q1/.*?
ls: cannot access 'lab6/q1/.*?': No such file or directory
jgomez@cis106:~$ ls lab6/q2/.*?
lab6/q2/.code  lab6/q2/.index
lab6/q2/.helper  lab6/q2/.unit_test
jgomez@cis106:~$ cp lab6/q2/.*? lab6/hidden-files/
jgomez@cis106:~$ ls lab6/q2/.*?
lab6/q2/code.go  lab6/q2/code.py  lab6/q2/code.sh
lab6/q2/code.js  lab6/q2/code.rb
jgomez@cis106:~$ rm lab6/q2/.*?
jgomez@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
jgomez@cis106:~$ rm lab6/q2/T*.*???
jgomez@cis106:~$ ls lab6/q2/[lr][aeiou]*[0-9].*
lab6/q2/last_0.txt  lab6/q2/list_2.txt  lab6/q2/rest_0.txt
lab6/q2/last_1.txt  lab6/q2/list_3.txt  lab6/q2/rest_1.txt
lab6/q2/last_2.txt  lab6/q2/lost_0.txt  lab6/q2/rust_0.txt
lab6/q2/last_3.txt  lab6/q2/lost_1.txt  lab6/q2/rust_1.txt
lab6/q2/list_0.txt  lab6/q2/lost_2.txt
lab6/q2/list_1.txt  lab6/q2/lost_3.txt
jgomez@cis106:~$ mkdir lab6/random
jgomez@cis106:~$ mv lab6/q2/[lr][aeiou]*[0-9].* lab6/random/
jgomez@cis106:~$

jgomez@cis106:~$ tree -a lab6/hidden-files/
lab6/hidden-files/
├── .code
├── .helper
├── .index
└── .unit_test

1 directory, 4 files
jgomez@cis106:~$
```

q3

1/1 +

Tilix: jgomez@cis106: ~

1: jgomez@cis106: ~

```
jgomez@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'
jgomez@cis106:~$ tree lab6/wallpapers/
lab6/wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
5 directories, 0 files
jgomez@cis106:~$ cd /
jgomez@cis106:/$ touch ~/lab6/q3/{program.py,people.csv,data.xls}
jgomez@cis106:/$ rm ~/lab6/q3/_file{0..2}.old
jgomez@cis106:/$
```

2: jgomez@cis106: ~

```
jgomez@cis106:~$ 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'
jgomez@cis106:~$ tree lab6/assets
lab6/assets
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
7 directories, 0 files
jgomez@cis106:~$
```

3: jgomez@cis106: ~

```
jgomez@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'
jgomez@cis106:~$ touch lab6/docs/books/{history/{fall,spring},math/{2024,2025}}/book.pdf
jgomez@cis106:~$ tree lab6/docs/
lab6/docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── 2024
│       │   └── book.pdf
│       └── 2025
│           └── book.pdf
8 directories, 4 files
jgomez@cis106:~$
```

4: jgomez@cis106: ~

```
jgomez@cis106:~$ tree lab6/q3/
lab6/q3/
├── data.xls
├── _file0.old
├── _file1.old
├── _file2.old
├── people.csv
└── program.py
1 directory, 6 files
jgomez@cis106:~$ tree lab6/q3/
lab6/q3/
├── data.xls
├── people.csv
└── program.py
1 directory, 3 files
jgomez@cis106:~$
```

challenge q4

```
1/1 + [ ] [ ] Tilix: jgomez@cis106: ~

1: jgomez@cis106: ~/challenge-Lab6
jgomez@cis106:~$ mkdir -pv challenge-Lab6/{audio/{mp3,mp4,wav,ogg},docs/{odt,pdf,doc},images/{png,jpg,gif},code/{pl,py,rb,sh}}
mkdir: created directory 'challenge-Lab6/audio'
mkdir: created directory 'challenge-Lab6/audio/mp3'
mkdir: created directory 'challenge-Lab6/audio/mp4'
mkdir: created directory 'challenge-Lab6/audio/wav'
mkdir: created directory 'challenge-Lab6/audio/ogg'
mkdir: created directory 'challenge-Lab6/docs'
mkdir: created directory 'challenge-Lab6/docs/odt'
mkdir: created directory 'challenge-Lab6/docs/pdf'
mkdir: created directory 'challenge-Lab6/docs/doc'
mkdir: created directory 'challenge-Lab6/images'
mkdir: created directory 'challenge-Lab6/images/png'
mkdir: created directory 'challenge-Lab6/images/jpg'
mkdir: created directory 'challenge-Lab6/images/gif'
mkdir: created directory 'challenge-Lab6/code'
mkdir: created directory 'challenge-Lab6/code/pl'
mkdir: created directory 'challenge-Lab6/code/py'
mkdir: created directory 'challenge-Lab6/code/rb'
mkdir: created directory 'challenge-Lab6/code/sh'
jgomez@cis106:~$ mv *.png challenge-Lab6/images/png/
mv: cannot stat '*.png': No such file or directory
jgomez@cis106:~$ cd challenge-Lab6/
jgomez@cis106:~/challenge-Lab6$ mv *.png images/png/
jgomez@cis106:~/challenge-Lab6$ mv *.gif images/gif/
jgomez@cis106:~/challenge-Lab6$ mv *.jpg images/jpg/
jgomez@cis106:~/challenge-Lab6$ mv *.mp4 audio/mp4/
jgomez@cis106:~/challenge-Lab6$ mv *.mp3 audio/mp3/
jgomez@cis106:~/challenge-Lab6$ mv *.ogg audio/ogg/
jgomez@cis106:~/challenge-Lab6$ mv *.wav audio/wav/
jgomez@cis106:~/challenge-Lab6$ mv *.odt docs/odt/
jgomez@cis106:~/challenge-Lab6$ mv *.pdf docs/pdf/
jgomez@cis106:~/challenge-Lab6$ mv *.doc docs/doc/
jgomez@cis106:~/challenge-Lab6$ mv *.pl code/pl/
jgomez@cis106:~/challenge-Lab6$ mv *.py code/py/
jgomez@cis106:~/challenge-Lab6$ mv *.rb code/rb/
jgomez@cis106:~/challenge-Lab6$ mv *.sh code/sh/
jgomez@cis106:~/challenge-Lab6$

2: jgomez@cis106: ~
jgomez@cis106:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── mp3
│   │   └── music.mp3
│   ├── mp4
│   │   ├── Breakers1.mp4
│   │   └── Sonicwings2.mp4
│   ├── ogg
│   │   └── sound_track.ogg
│   └── wav
│       └── track.wav
├── code
│   ├── pl
│   │   └── helloWorld.pl
│   ├── py
│   │   └── helloWorld.py
│   ├── rb
│   │   └── helloWorld.rb
│   └── sh
│       └── helloWorld.sh
├── docs
│   ├── doc
│   │   └── file-sample_1MB.doc
│   ├── odt
│   │   └── file-sample_100kB.odt
│   └── pdf
│       └── file-sample_150kB.pdf
└── images
    ├── gif
    │   └── 2ein.gif
    ├── jpg
    │   └── 3ein.jpg
    └── png
        └── 1ein.png

19 directories, 15 files
jgomez@cis106:~$
```