

Lab 6

Question 1

1: mig@cis106desktop: ~/lab6/q1 ▾

2: mig@cis106desktop: ~ ▾

```
mig@cis106desktop:~$ curl https://cis106.com/assets/lab6/lab6.sh | bash
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Done    0     0         0             0         0         0         0
100 471 100 471    0     0 2979      0  --:--:--  --:--:--  --:--:-- 3000
mig@cis106desktop:~$ cd lab6/
mig@cis106desktop:~/lab6$ ls
q1 q2 q3
mig@cis106desktop:~/lab6$ cd q1
mig@cis106desktop:~/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
mig@cis106desktop:~/lab6/q1$ ls *.log
access.log apache.log error.log ftp.log ssh.log
mig@cis106desktop:~/lab6/q1$ mkdir ../log-files
mig@cis106desktop:~/lab6/q1$ mv *.log ../log-files/
mig@cis106desktop:~/lab6/q1$
```

```
mig@cis106desktop:~$ ls -l lab6/q1/*.c*
lab6/q1/app.cfg
lab6/q1/fuse.conf
lab6/q1/game.cfg
lab6/q1/simple.cnf
lab6/q1/sudo.conf
lab6/q1/zebra.cnf
mig@cis106desktop:~$ ls -lgHs lab6/q1/*.c*
0 -rw-rw-r-- 1 0 Nov 9 21:30 lab6/q1/app.cfg
0 -rw-rw-r-- 1 0 Nov 9 21:30 lab6/q1/fuse.conf
0 -rw-rw-r-- 1 0 Nov 9 21:30 lab6/q1/game.cfg
0 -rw-rw-r-- 1 0 Nov 9 21:30 lab6/q1/simple.cnf
0 -rw-rw-r-- 1 0 Nov 9 21:30 lab6/q1/sudo.conf
0 -rw-rw-r-- 1 0 Nov 9 21:30 lab6/q1/zebra.cnf
mig@cis106desktop:~$ ls -lgHs --time-style=%D lab6/q1/*.c*
0 -rw-rw-r-- 1 0 11/09/24 lab6/q1/app.cfg
0 -rw-rw-r-- 1 0 11/09/24 lab6/q1/fuse.conf
0 -rw-rw-r-- 1 0 11/09/24 lab6/q1/game.cfg
0 -rw-rw-r-- 1 0 11/09/24 lab6/q1/simple.cnf
0 -rw-rw-r-- 1 0 11/09/24 lab6/q1/sudo.conf
0 -rw-rw-r-- 1 0 11/09/24 lab6/q1/zebra.cnf
mig@cis106desktop:~$
```

Question 2

1: mig@cis106desktop: ~ ▾

2: mig@cis106desktop: ~ ▾

3: mig@cis106desktop: ~ ▾

```
mig@cis106desktop:~/lab6/q1$ cd
mig@cis106desktop:~$ mkdir lab6/hidden-files/
mig@cis106desktop:~$ ls lab6/q2/.??*
lab6/q2/.code lab6/q2/.helper lab6/q2/.index lab6/q2/.unit_test
mig@cis106desktop:~$ cp lab6/q2/.??* lab6/hidden-files/
mig@cis106desktop:~$ ls lab6/q2/.??
ls: cannot access 'lab6/q2/.??': No such file or directory
mig@cis106desktop:~$ ls lab6/q2/*.??
lab6/q2/code.go lab6/q2/code.js lab6/q2/code.py lab6/q2/code.rb lab6/q2/code.sh
mig@cis106desktop:~$ rm lab6/q2/*.??
mig@cis106desktop:~$ ls lab6/q2/T*????
lab6/q2/Trip_doc.docx lab6/q2/Trip_doc.vsd
lab6/q2/Trip_doc.pptx lab6/q2/Trip_doc.xlsx
mig@cis106desktop:~$ rm lab6/q2/T*????
mig@cis106desktop:~$ ls lab6/q2/[lr][aeiou]*[0-9].*
lab6/q2/rest_0.txt lab6/q2/rest_1.txt lab6/q2/rust_0.txt lab6/q2/rust_1.txt
mig@cis106desktop:~$ 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
mig@cis106desktop:~$ mkdir lab6/random
mig@cis106desktop:~$ mv lab6/q2/[lr][aeiou]*[0-9].* lab6/random/
mig@cis106desktop:~$ ls lab6/random/
last_0.txt last_3.txt list_2.txt lost_1.txt rest_0.txt rust_1.txt
last_1.txt list_0.txt list_3.txt lost_2.txt rest_1.txt
last_2.txt list_1.txt lost_0.txt lost_3.txt rust_0.txt
mig@cis106desktop:~$
```

```
mig@cis106desktop:~$ tree -a lab6/hidden-files/
lab6/hidden-files/
├── .code
├── .helper
├── .index
└── .unit_test

1 directory, 4 files
mig@cis106desktop:~$ ls lab6/q2/
last_0.txt list_2.txt rest_0.txt
last_1.txt list_3.txt rest_1.txt
last_2.txt lost_0.txt rust_0.txt
last_3.txt lost_1.txt rust_1.txt
list_0.txt lost_2.txt
list_1.txt lost_3.txt
mig@cis106desktop:~$
```

```
mig@cis106desktop:~$ tree
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
```

Question 3

1: mig@cisi106desktop: ~

```
mig@cisi106desktop:~$ cd lab6/
mig@cisi106desktop:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
mig@cisi106desktop:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
└── 5 directories, 0 files

mig@cisi106desktop:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
mig@cisi106desktop:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
└── 7 directories, 0 files

mig@cisi106desktop:~/lab6$ cd ~
mig@cisi106desktop:~$ tree ~/lab6/q3
/home/mig/lab6/q3
├── _file0.old
├── _file1.old
├── _file2.old
└── 1 directory, 3 files

mig@cisi106desktop:~$ touch ~/lab6/q3/{program.py,people.csv,data.xls}
mig@cisi106desktop:~$ tree ~/lab6/q3
/home/mig/lab6/q3
├── data.xls
├── _file0.old
├── _file1.old
├── _file2.old
├── people.csv
├── program.py
└── 1 directory, 6 files

mig@cisi106desktop:~$ rm ~/lab6/q3/{_file0.old,_file1.old,_file2.old}
rm: cannot remove '/home/miguelg/lab6/q3/_file0.old': No such file or directory
rm: cannot remove '/home/miguelg/lab6/q3/_file1.old': No such file or directory
rm: cannot remove '/home/miguelg/lab6/q3/_file2.old': No such file or directory
mig@cisi106desktop:~$ rm -i ~/lab6/q3/{_file0.old,_file1.old,_file2.old}
rm: cannot remove '/home/miguelg/lab6/q3/_file0.old': No such file or directory
rm: cannot remove '/home/miguelg/lab6/q3/_file1.old': No such file or directory
rm: cannot remove '/home/miguelg/lab6/q3/_file2.old': No such file or directory
mig@cisi106desktop:~$ rm ~/lab6/q3/{_file0.old,_file1.old,_file2.old}
mig@cisi106desktop:~$ tree ~/lab6/q3
/home/mig/lab6/q3
├── data.xls
├── people.csv
├── program.py
└── 1 directory, 3 files

mig@cisi106desktop:~$
```

2: mig@cisi106desktop: ~/lab6

```
mig@cisi106desktop:~/lab6$ cd lab6/
mig@cisi106desktop:~/lab6$ mkdir -p docs/books/{history/{fall,spring},math/{2024,2025}}
mig@cisi106desktop:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── 2024
│       └── 2025
└── 8 directories, 0 files

mig@cisi106desktop:~/lab6$ touch docs/books/history/fall/book.pdf
mig@cisi106desktop:~/lab6$ touch docs/books/history/spring/book.pdf
mig@cisi106desktop:~/lab6$ touch docs/books/math/2024/book.pdf
mig@cisi106desktop:~/lab6$ touch docs/books/math/2025/book.pdf
mig@cisi106desktop:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── 2024
│       │   └── book.pdf
│       └── 2025
│           └── book.pdf
└── 8 directories, 4 files

mig@cisi106desktop:~/lab6$
```

Challenge Question

1: mig@cisi106desktop: ~/challenge-Lab6

```
mig@cisi106desktop:~/challenge-Lab6$ tree challenge/
challenge/
├── audio
│   ├── mp3
│   └── mp4
├── docs
│   ├── code
│   ├── doc
│   └── pdf
├── images
│   ├── gif
│   └── jpg
└── 11 directories, 0 files

mig@cisi106desktop:~/challenge-Lab6$ mv {*.png,*.jpg} challenge/images/jpg/
mig@cisi106desktop:~/challenge-Lab6$ mv {*.gif} challenge/images/gif/

mv: cannot stat '{*.gif}': No such file or directory
mig@cisi106desktop:~/challenge-Lab6$ mv *.gif challenge/images/gif/

mig@cisi106desktop:~/challenge-Lab6$ mv {*.mp3,*.wav} challenge/audio/mp3/
mig@cisi106desktop:~/challenge-Lab6$ mv {*.mp4,*.ogg} challenge/audio/mp4/
mig@cisi106desktop:~/challenge-Lab6$ mv {*.py,*.pl,*.rb,*.sh} challenge/docs/code/
mig@cisi106desktop:~/challenge-Lab6$ mv {*.doc,*.odt} challenge/docs/doc/
mig@cisi106desktop:~/challenge-Lab6$ mv {*.pdf} challenge/docs/pdf/
mv: cannot stat '{*.pdf}': No such file or directory
mig@cisi106desktop:~/challenge-Lab6$ mv *.pdf challenge/docs/pdf/
mig@cisi106desktop:~/challenge-Lab6$ tree challenge/
challenge/
├── audio
│   ├── mp3
│   │   ├── music.mp3
│   │   └── track.wav
│   └── mp4
│       ├── Breakers1.mp4
│       ├── Sonticwings2.mp4
│       └── sound_track.ogg
├── docs
│   ├── code
│   │   ├── helloWorld.pl
│   │   ├── helloWorld.py
│   │   ├── helloWorld.rb
│   │   └── helloWorld.sh
│   ├── doc
│   │   ├── file-sample_100kB.odt
│   │   └── file-sample_1MB.doc
│   └── pdf
│       └── file-sample_150kB.pdf
├── images
│   ├── gif
│   │   └── 2e1n.gif
│   └── jpg
│       ├── 1e1n.png
│       └── 3e1n.jpg
└── 11 directories, 15 files
```

2: mig@cisi106desktop: ~

```
mig@cisi106desktop:~$ ls ~/challenge-Lab6/
Breakers1.mp4
challenge
file-sample_100kB.odt
file-sample_150kB.pdf
file-sample_1MB.doc
helloWorld.pl
helloWorld.py
helloWorld.rb
helloWorld.sh
music.mp3
Sonticwings2.mp4
sound_track.ogg
track.wav
mig@cisi106desktop:~$ tree ~/challenge-Lab6/
/home/mig/challenge-Lab6/
├── Breakers1.mp4
├── challenge
│   ├── audio
│   │   ├── mp3
│   │   └── mp4
│   ├── docs
│   │   ├── code
│   │   ├── doc
│   │   └── pdf
│   ├── images
│   │   ├── gif
│   │   │   └── 2e1n.gif
│   │   └── jpg
│   │       ├── 1e1n.png
│   │       └── 3e1n.jpg
├── file-sample_100kB.odt
├── file-sample_150kB.pdf
├── file-sample_1MB.doc
├── helloWorld.pl
├── helloWorld.py
├── helloWorld.rb
├── helloWorld.sh
├── music.mp3
├── Sonticwings2.mp4
├── sound_track.ogg
└── track.wav

12 directories, 15 files
mig@cisi106desktop:~$
```