

Lab 6

q1

```
1: edison@cis106: ~/lab6/q1
edison@cis106:~$ curl https://cis106.com/assets/lab6/lab6.sh | bash

% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left     Speed

  0   0    0     0    0     0      0      0  0  0  0  0
  0  100    0  1304    0     0    1304    0  0  0  0  0

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

2: edison@cis106:~$ ls -l lab6/q1/*.c*
-rw-rw-r-- 1 edison edison 0 Apr 11 23:13 lab6/q1/app.cfg
-rw-rw-r-- 1 edison edison 0 Apr 11 23:13 lab6/q1/fuse.conf
-rw-rw-r-- 1 edison edison 0 Apr 11 23:13 lab6/q1/game.cfg
-rw-rw-r-- 1 edison edison 0 Apr 11 23:13 lab6/q1/simple.cnf
-rw-rw-r-- 1 edison edison 0 Apr 11 23:13 lab6/q1/sudo.conf
-rw-rw-r-- 1 edison edison 0 Apr 11 23:13 lab6/q1/zebra.cnf
edison@cis106:~$ ls -lgH5 lab6/q1/*.c*
ls: invalid option -- '5'
Try 'ls --help' for more information.
edison@cis106:~$ ls lgH5 lab6/q1/*.c*
ls: cannot access 'lgH5': No such file or directory
lab6/q1/app.cfg  lab6/q1/simple.cnf
lab6/q1/fuse.conf  lab6/q1/sudo.conf
lab6/q1/game.cfg  lab6/q1/zebra.cnf
edison@cis106:~$ ls lgH5 --time-style=+%D lab6/q1/*.c*
ls: cannot access 'lgH5': No such file or directory
lab6/q1/app.cfg  lab6/q1/simple.cnf
lab6/q1/fuse.conf  lab6/q1/sudo.conf
lab6/q1/game.cfg  lab6/q1/zebra.cnf
edison@cis106:~$
```

q2

```
1: edison@cis106:~$ mkdir lab6/hidden-files/
edison@cis106:~$ ls lab6/q2/.??*
lab6/q2/.code  lab6/q2/.helper  lab6/q2/.index  lab6/q2/.unit_test
edison@cis106:~$ cp lab6/q2/.??* lab6/hidden-files/
edison@cis106:~$ ls lab6/q2/.??
lab6/q2/code.go  lab6/q2/code.py  lab6/q2/code.sh
lab6/q2/code.js  lab6/q2/code.rb
edison@cis106:~$ rm lab6/q2/.??
edison@cis106:~$ ls lab6/q2/T*.*
ls: cannot access 'lab6/q2/T*.*': No such file or directory
edison@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
edison@cis106:~$ rm lab6/q2/T*.*
edison@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
edison@cis106:~$ mkdir lab6/random
edison@cis106:~$ mv lab6/q2/[lr][aeiou]*[0-9].* lab6/random/
edison@cis106:~$

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

1 directory, 4 files
edison@cis106:~$ ls lab6/q2
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

4: edison@cis106:~$ ls lab6/q2
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

5: edison@cis106:~$ ls lab6/q2
edison@cis106:~$

2: edison@cis106:~$ 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
edison@cis106:~$
```

q3

```
1: edison@cis106: ~  
edison@cis106:~$ mkdir {2keedison@cis106:~$ mkdir -pv  
lab6/wallpapers/cars/{1080p,2k,4k}  
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'  
edison@cis106:~$ tree lab6/wallpapers  
lab6/wallpapers  
├── cars  
│   ├── 1080p  
│   ├── 2k  
│   └── 4k  
5 directories, 0 files  
edison@cis106:~$  
  
2: edison@cis106: ~  
edison@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'  
edison@cis106:~$ tree lab6/assets  
lab6/assets  
├── imgs  
│   ├── large  
│   └── small  
└── video  
    ├── large  
    └── small  
7 directories, 0 files  
edison@cis106:~$  
  
3: edison@cis106: ~  
edison@cis106:~$ mkdir -pv lab6/docs/books/{history/  
fall,math,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/20  
24'  
mkdir: created directory 'lab6/docs/books/math/20  
25'  
edison@cis106:~$ touch lab6/docs/books/{history/{  
fall,spring},math/{2024,2025}}/book.pdf  
edison@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  
edison@cis106:~$  
  
4: edison@cis106: /  
edison@cis106:/~$ touch ~/lab6/q3/{program.py,people.cs  
v,data.xls}  
edison@cis106:/~$ rm ~/lab6/q3/_file{0..2}.old  
edison@cis106:/~$  
  
5: edison@cis106: ~  
edison@cis106:~$ tree lab6/q3  
lab6/q3  
├── data.xls  
├── people.csv  
└── program.py  
1 directory, 3 files  
edison@cis106:~$
```

Challenge

```
1: edison@cis106: ~/challenge-Lab6  
edison@cis106:~/challenge-Lab6$ tree  
.  
├── 1ein.png  
├── 2ein.gif  
├── 3ein.jpg  
├── Breakers1.mp4  
├── file-sample_100kB.odt  
├── file-sample_150kB.pdf  
├── file-sample_1MB.doc  
├── helloWorld.pl  
├── helloWorld.py  
├── helloWorld.rb  
├── helloWorld.sh  
├── music.mp3  
├── Sonicwings2.mp4  
├── sound_track.ogg  
└── track.wav  
1 directory, 15 files  
edison@cis106:~/challenge-Lab6$ ls *.*  
1ein.png          helloWorld.py  
2ein.gif          helloWorld.rb  
3ein.jpg          helloWorld.sh  
Breakers1.mp4     music.mp3  
file-sample_100kB.odt Sonicwings2.mp4  
file-sample_150kB.pdf sound_track.ogg  
file-sample_1MB.doc track.wav  
edison@cis106:~/challenge-Lab6$  
  
2: edison@cis106: ~/challenge-Lab6  
Lab6ChallengeFiles/track.wav  
Lab6ChallengeFiles/sound_track.ogg  
  
The /home/edison/challenge-Lab6 directory has been created  
Files in /home/edison/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  
edison@cis106:~$ mkdir -p {images,videos,audios,documents,scripts}  
edison@cis106:~$ cd challenge-Lab6  
edison@cis106:~/challenge-Lab6$ mkdir -p {images,videos,audios,documents,scripts}  
edison@cis106:~/challenge-Lab6$ mv {music.mp3,sound_track.ogg,track.wav} audios  
edison@cis106:~/challenge-Lab6$ mv {Breakers1,Sonicwings2}.mp4 videos  
edison@cis106:~/challenge-Lab6$ mv {1ein.png,2ein.gif,3ein.jpg} images  
edison@cis106:~/challenge-Lab6$ mv {file-sample_100kB.odt,file-sample_150kB.pdf,file-sa  
mple_1MB.doc} documents  
edison@cis106:~/challenge-Lab6$ mv {helloWorld.py,helloWorld.rb,helloWorld.sh,helloWorl  
d.pl} scripts  
mv: cannot stat 'helloWorld.py,helloWorl  
edison@cis106:~/challenge-Lab6$ mv {hell  
  
3: edison@cis106: ~/challenge-Lab6  
edison@cis106:~/challenge-Lab6$ tree  
.  
├── audios  
│   ├── 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  
edison@cis106:~/challenge-Lab6$
```