

Lab 6

Question 1

```
arjon-adill@cis106: ~/lab6/q1
ls: cannot access 'lab6': No such file or directory
arjon-adill@cis106: ~/lab6/q1$ ls -l /lab6
ls: cannot access '/lab6': No such file or directory
arjon-adill@cis106: ~/lab6/q1$ ls -l lab6/q1
ls: cannot access 'lab6/q1': No such file or directory
arjon-adill@cis106: ~/lab6/q1$ ls
app.cfg  fuse.conf  game.cfg  simple.cnf  sudo.conf  zebra.cnf
arjon-adill@cis106: ~/lab6/q1$ cd logfiles
bash: cd: logfiles: No such file or directory
arjon-adill@cis106: ~/lab6/q1$ ls -l lab6/q1/*.c*
ls: cannot access 'lab6/q1/*.c*': No such file or directory
arjon-adill@cis106: ~/lab6/q1$ ls
app.cfg  fuse.conf  game.cfg  simple.cnf  sudo.conf  zebra.cnf
arjon-adill@cis106: ~/lab6/q1$ ls logfiles
ls: cannot access 'logfiles': No such file or directory
arjon-adill@cis106: ~/lab6/q1$ cd ../logfiles/
arjon-adill@cis106: ~/lab6/logfiles$ ls
access.log  apache.log  error.log  ftp.log  ssh.log
arjon-adill@cis106: ~/lab6/logfiles$ ls -l lab6/q1
ls: cannot access 'lab6/q1': No such file or directory
arjon-adill@cis106: ~/lab6/logfiles$ ls -l lab6
ls: cannot access 'lab6': No such file or directory
arjon-adill@cis106: ~/lab6/logfiles$ ls
access.log  apache.log  error.log  ftp.log  ssh.log
arjon-adill@cis106: ~/lab6/logfiles$ ls lab6
ls: cannot access 'lab6': No such file or directory
arjon-adill@cis106: ~/lab6/logfiles$ cd q1
bash: cd: q1: No such file or directory
arjon-adill@cis106: ~/lab6/logfiles$ ls -lgHs
total 0
0 -rw-rw-r-- 1 0 Apr 19 13:18 access.log
0 -rw-rw-r-- 1 0 Apr 19 13:18 apache.log
0 -rw-rw-r-- 1 0 Apr 19 13:18 error.log
0 -rw-rw-r-- 1 0 Apr 19 13:18 ftp.log
0 -rw-rw-r-- 1 0 Apr 19 13:18 ssh.log
arjon-adill@cis106: ~/lab6/logfiles$ ls -lgHs --time-style=%D lab6/q1/*.c*
ls: cannot access 'lab6/q1/*.c*': No such file or directory
arjon-adill@cis106: ~/lab6/logfiles$
```

Question 2

```
arjon-adill@cis106: ~
arjon-adill@cis106: ~$ mkdir lab6/hidden-files/
arjon-adill@cis106: ~$ ls lab6/q2/.??*
lab6/q2/.code  lab6/q2/.helper  lab6/q2/.index  lab6/q2/.unit_test
arjon-adill@cis106: ~$ cp lab6/q2/.??* lab6/hidden-files/
arjon-adill@cis106: ~$ mv lab6/q2/T*.*????
mv: command not found
arjon-adill@cis106: ~$ rm lab6/q2/T*.*????
rm: cannot remove 'lab6/q2/T*.*????': No such file or directory
arjon-adill@cis106: ~$ ls -l '[200-lab6/q2/T*.*????]'
ls: cannot access '[200-lab6/q2/T*.*????]': No such file or directory
arjon-adill@cis106: ~$ ls lab6/q2/T*.*????
ls: cannot access 'lab6/q2/T*.*????': No such file or directory
arjon-adill@cis106: ~$ rm lab6/q2*.??
rm: cannot remove 'lab6/q2*.??': No such file or directory
arjon-adill@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/rest_2.txt
lab6/q2/last_3.txt  lab6/q2/list_3.txt  lab6/q2/lost_3.txt  lab6/q2/rest_3.txt
arjon-adill@cis106: ~$ mkdir lab6/random
arjon-adill@cis106: ~$ mv lab6/q2/[lr][aeiou]*[0-9].* lab6/random/
arjon-adill@cis106: ~$ tree -a lab6/hidden-files/
lab6/hidden-files/
├── .code
├── .helper
├── .index
└── .unit_test

1 directory, 4 files
arjon-adill@cis106: ~$ ls lab6/q2
code.go  code.rb  last_1.txt  list_0.txt  list_3.txt  lost_2.txt
code.js  code.sh  last_2.txt  list_1.txt  lost_0.txt  lost_3.txt
code.py  last_0.txt  last_3.txt  list_2.txt  lost_1.txt
arjon-adill@cis106: ~$ tree lab6/q2
lab6/q2
├── code.go
├── code.js
├── code.py
├── code.rb
├── code.sh
└── last_0.txt

1 directory, 17 files
arjon-adill@cis106: ~$
```

problem1

```
arjon-adill@cis106: ~/lab6
arjon-adill@cis106:~$ mkdir lab6
mkdir: cannot create directory 'lab6': File exists
arjon-adill@cis106:~$ cd lab6
arjon-adill@cis106:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
arjon-adill@cis106:~/lab6$ tree
.
├── config-files
├── hidden-files
├── logfiles
├── q1
│   ├── app.cfg
│   ├── fuse.conf
│   ├── game.cfg
│   ├── simple.cnf
│   ├── sudo.conf
│   └── zebra.cnf
├── 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
└── q3

arjon-adill@cis106:~$ tree wallpapers
wallpapers
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

5 directories, 0 files
arjon-adill@cis106:~/lab6$
```

problem2

```
arjon-adill@cis106: ~/lab6
arjon-adill@cis106:~/lab6$ mkdir -p assets/video{large,small}
arjon-adill@cis106:~/lab6$ tree assets/
assets/
├── imgslarge
├── imgssmall
├── videolarge
└── videosmall

5 directories, 0 files
arjon-adill@cis106:~/lab6$ mkdir -p assets/ings/{large,small} assets/video/{large,small}
arjon-adill@cis106:~/lab6$ tree assets/
assets/
├── ings
│   ├── large
│   └── small
├── imgslarge
├── imgssmall
├── video
│   ├── large
│   └── small
├── videolarge
└── videosmall

11 directories, 0 files
arjon-adill@cis106:~/lab6$ rm imgslarge
rm: cannot remove 'imgslarge': No such file or directory
arjon-adill@cis106:~/lab6$ ^[[200~rm -r assets/ingslarge assets/imgssmall assets/videolarge assets/videosmall
rm: command not found
arjon-adill@cis106:~/lab6$ rm -r assets/ingslarge assets/imgssmall assets/videolarge assets/videosmall
arjon-adill@cis106:~/lab6$ tree assets/
assets/
├── ings
│   ├── large
│   └── small
├── video
│   ├── large
│   └── small
├── videolarge
└── videosmall

7 directories, 0 files
arjon-adill@cis106:~/lab6$
```

problem3

```
arjon-adill@cis106: ~/lab6$ mkdir -p docs/books/history/fall
arjon-adill@cis106: ~/lab6$ mkdir -p docs/books/history/spring
arjon-adill@cis106: ~/lab6$ mkdir -p docs/books/math/2024
arjon-adill@cis106: ~/lab6$ mkdir -p docs/books/math/2025
arjon-adill@cis106: ~/lab6$ touch docs/books/history/fall/book.pdf
arjon-adill@cis106: ~/lab6$ touch docs/books/history/spring/book.pdf
arjon-adill@cis106: ~/lab6$ touch docs/books/math/2024/book.pdf
arjon-adill@cis106: ~/lab6$ touch docs/books/math/2025/book.pdf
arjon-adill@cis106: ~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── 2024
│       │   └── book.pdf
│       └── 2025
│           └── book.pdf
8 directories, 4 files
arjon-adill@cis106: ~/lab6$
```

problem4

```
arjon-adill@cis106: ~/lab6/q3$ mkdir q3
mkdir: cannot create directory 'q3': File exists
arjon-adill@cis106: ~/lab6$ cd q3
arjon-adill@cis106: ~/lab6/q3$ touch program.py,people.csv,data.xls
arjon-adill@cis106: ~/lab6/q3$ rm _file0,old _file1,old _file2,old
rm: cannot remove '_file0,old': No such file or directory
rm: cannot remove '_file1,old': No such file or directory
rm: cannot remove '_file2,old': No such file or directory
arjon-adill@cis106: ~/lab6/q3$ rm _file0,old
rm: cannot remove '_file0,old': No such file or directory
arjon-adill@cis106: ~/lab6/q3$
```

challenge question

```
arjon-adill@cis106: ~/challenge-Lab6$ tree
.
├── organized
│   ├── audio
│   │   ├── mp3
│   │   │   └── music.mp3
│   │   ├── ogg
│   │   │   └── sound_track.ogg
│   │   ├── wav
│   │   │   └── track.wav
│   ├── 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
│   ├── scripts
│   │   ├── perl
│   │   │   └── helloWorld.pl
│   │   ├── python
│   │   │   └── helloWorld.py
│   │   ├── ruby
│   │   │   └── helloWorld.rb
│   │   ├── shell
│   │   │   └── helloWorld.sh
│   └── video
│       ├── mp4
│       │   ├── Breakers1.mp4
│       │   └── Sonicwings2.mp4
└── 21 directories, 15 files
arjon-adill@cis106: ~/challenge-Lab6$
```