Lab 6

Question 1

Question 2

Question 3

```
jeremyurena@cis106vm:~/lab6$ ls [A-Z]*
Document.doc   Expenses.xls
jeremyurena@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst   Document.doc   Expenses.xls
jeremyurena@cis106vm:~/lab6$ ls *[0-9]*
25Games.lst  apache03.err  file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh  trip22-info.doc
jeremyurena@cis106vm:~/lab6$ ls [a-z]*[0-9].*
apache03.err  file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
jeremyurena@cis106vm:~/lab6$
```

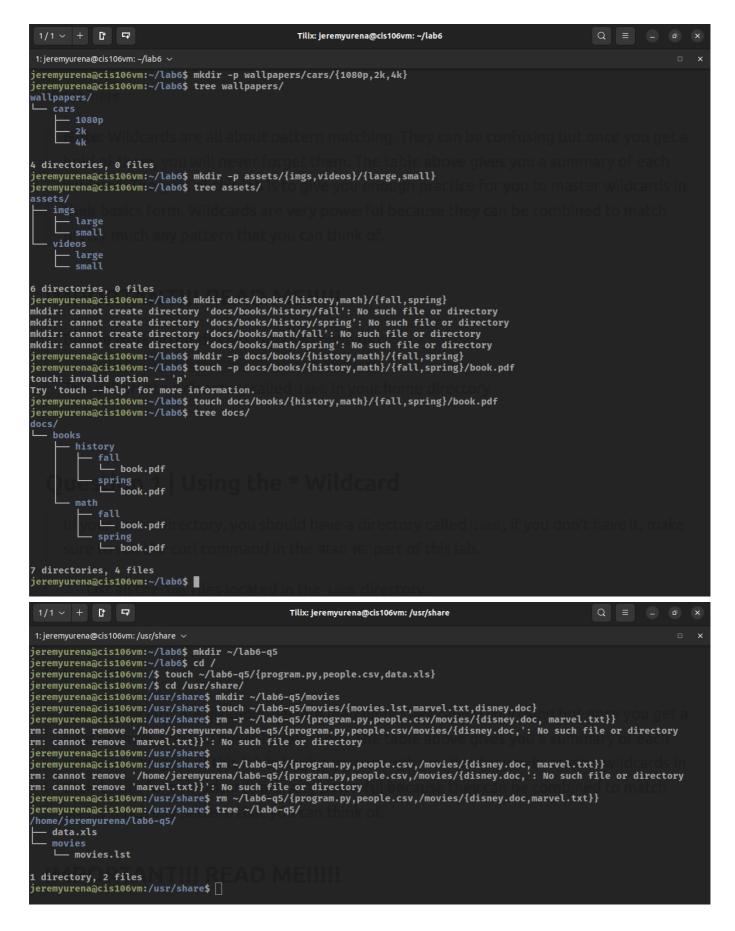# Question 4

```
1/1 ∨  +  [·  ⊡                    Tilix: jeremyurena@cis106vm: ~/lab6                  ⚲  ≡  ⚊  ⬓  ✕

1: jeremyurena@cis106vm: ~/lab6 ∨                                                          ▢  ✕

jeremyurena@cis106vm:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
jeremyurena@cis106vm:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

4 directories, 0 files
jeremyurena@cis106vm:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
jeremyurena@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small

6 directories, 0 files
jeremyurena@cis106vm:~/lab6$ mkdir docs/books/{history,math}/{fall,spring}
mkdir: cannot create directory 'docs/books/history/fall': No such file or directory
mkdir: cannot create directory 'docs/books/history/spring': No such file or directory
mkdir: cannot create directory 'docs/books/math/fall': No such file or directory
mkdir: cannot create directory 'docs/books/math/spring': No such file or directory
jeremyurena@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
jeremyurena@cis106vm:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
jeremyurena@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
jeremyurena@cis106vm:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
jeremyurena@cis106vm:~/lab6$ ▊
```

```
1/1 ∨  +  [·  ⊡                Tilix: jeremyurena@cis106vm: /usr/share                  ⚲  ≡  ⚊  ⬓  ✕

1: jeremyurena@cis106vm: /usr/share ∨                                                      ▢  ✕

jeremyurena@cis106vm:~/lab6$ mkdir ~/lab6-q5
jeremyurena@cis106vm:~/lab6$ cd /
jeremyurena@cis106vm:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
jeremyurena@cis106vm:/$ cd /usr/share/
jeremyurena@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
jeremyurena@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
jeremyurena@cis106vm:/usr/share$ rm -r ~/lab6-q5/{program.py,people.csv/movies/{disney.doc, marvel.txt}}
rm: cannot remove '/home/jeremyurena/lab6-q5/{program.py,people.csv/movies/{disney.doc,': No such file or directory
rm: cannot remove 'marvel.txt}}': No such file or directory
jeremyurena@cis106vm:/usr/share$
jeremyurena@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc, marvel.txt}}
rm: cannot remove '/home/jeremyurena/lab6-q5/{program.py,people.csv,/movies/{disney.doc,': No such file or directory
rm: cannot remove 'marvel.txt}}': No such file or directory
jeremyurena@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
jeremyurena@cis106vm:/usr/share$ tree ~/lab6-q5/
/home/jeremyurena/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
jeremyurena@cis106vm:/usr/share$ ▢
```

Question 5 Challenge

```
1: jeremyurena@cis106vm: ~                                                        □   ×
                          Dload  Upload   Total   Spent    Left  Speed
100   165  100   165     0      0   1482      0 --:--:-- --:--:-- --:--:--  1486
jeremyurena@cis106vm:~$ mkdir challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}}
mkdir: cannot create directory 'challenge-Lab6/audio/aac': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/audio/mp3': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/docs/docx': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/docs/pdf': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/docs/xls': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/images/jpg': No such file or directory
mkdir: cannot create directory 'challenge-Lab6/images/png': No such file or directory
jeremyurena@cis106vm:~$ mkdir challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}} -p
jeremyurena@cis106vm:~$ mv *.aac challenge-Lab6/audio/aac/
mv: cannot stat '*.aac': No such file or directory
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.aac challenge-Lab6/audio/aac/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.mp3 challenge-Lab6/audio/mp3/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.docx challenge-Lab6/docs/docx/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs
docs/       docs1.pdf  docs2.pdf
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs
docs/       docs1.pdf  docs2.pdf
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.pdf challenge-Lab6/docs/pdf/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.xls challenge-Lab6/docs/xls/
mv: cannot stat 'challenge-Lab6/*.xls': No such file or directory
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.jpg challenge-Lab6/image/jpg/
mv: target 'challenge-Lab6/image/jpg/' is not a directory
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.jpg challenge-Lab6/images/jpg/
jeremyurena@cis106vm:~$ mv challenge-Lab6/*.png challenge-Lab6/images/png/
jeremyurena@cis106vm:~$ tree challenge-Lab6/
challenge-Lab6/
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── image1.gif
├── image2.gif
├── images
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program.go
├── program.py
├── program.rb
└── program.sh

10 directories, 18 files
jeremyurena@cis106vm:~$
```