# Question 1



# Question 2



# Question 3

```
1/1 ∨    +    ⬚    ⬛                    Tilix: cgcollado@cis106vm: ~/lab6                    ⚲  ☰  —  ☐  ✕

1: cgcollado@cis106vm: ~/lab6 ∨                                                                      ☐  ✕

cgcollado@cis106vm:~$ cd lab6/
cgcollado@cis106vm:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
cgcollado@cis106vm:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
cgcollado@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
cgcollado@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
cgcollado@cis106vm:~/lab6$ _
```

# Question 4

- **Problem 1**

```
1/1 ∨    +    ⬚    ⬛                    Tilix: cgcollado@cis106vm: ~/lab6                    ⚲  ☰  —  ☐  ✕

1: cgcollado@cis106vm: ~/lab6 ∨                                                                      ☐  ✕

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

4 directories, 0 files
cgcollado@cis106vm:~/lab6$ _
```

- **problem 2**

```
1/1 ∨    +    ⬚    ⬛                    Tilix: cgcollado@cis106vm: ~/lab6                    ⚲  ☰  —  ☐  ✕

1: cgcollado@cis106vm: ~/lab6 ∨                                                                      ☐  ✕

cgcollado@cis106vm:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
cgcollado@cis106vm:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small

6 directories, 0 files
cgcollado@cis106vm:~/lab6$ _
```

- **Problem 3**

```
1/1 ∨  +  ⬚  ⬚              Tilix: cgcollado@cis106vm: ~/lab6              🔍  ☰  –  ☐  ✕

1: cgcollado@cis106vm: ~/lab6 ∨                                                        ☐  ✕

cgcollado@cis106vm:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
cgcollado@cis106vm:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   └── spring
    └── math
        ├── fall
        └── spring

7 directories, 0 files
cgcollado@cis106vm:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
cgcollado@cis106vm:~/lab6$ tree docs/
docs/
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
cgcollado@cis106vm:~/lab6$ _
```

- **Problem 4**

```
1/1 ∨  +  ⬚  ⬚            Tilix: cgcollado@cis106vm: /usr/share            🔍  ☰  –  ☐  ✕

1: cgcollado@cis106vm: /usr/share ∨                                                    ☐  ✕

cgcollado@cis106vm:~$ mkdir ~/lab6-q5
cgcollado@cis106vm:~$ cd /
cgcollado@cis106vm:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
cgcollado@cis106vm:/$ cd /usr/share/
cgcollado@cis106vm:/usr/share$ mkdir ~/lab6-q5/movies
cgcollado@cis106vm:/usr/share$ toucn ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
Command 'toucn' not found, did you mean:
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
cgcollado@cis106vm:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
cgcollado@cis106vm:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
cgcollado@cis106vm:/usr/share$ tree ~/lab6-q5/
/home/cgcollado/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
cgcollado@cis106vm:/usr/share$ _
```

# Challenge Question

```
1/1 ⌄  +  ⌷  ⊐                    Tilix: cgcollado@cis106vm: ~                    Q  ☰  —  ☐  ✕

1: cgcollado@cis106vm: ~ ⌄                                                              A⌶ ☐  ✕

cgcollado@cis106vm:~$ mkdir -p ~/challenge-Lab6/audio/{aac,mp3} ~/challenge-Lab6/docs/{docx,pdf,xls} ~/challenge-L
ab6/images/{jpg,png}
cgcollado@cis106vm:~$ ls
Backup            Desktop      lab5-imgs    lab6-q5     practicels           snap         website
carloscollado88   Documents    lab5-video   Music       practiceWildcars     Templates
challenge-Lab6    Downloads    lab6         Pictures    Public               Videos
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.aac ~/challenge-Lab6/audio/aac/
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.mp3 ~/challenge-Lab6/audio/mp3/
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.docx ~/challenge-Lab6/docs/docx/
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.pdf ~/challenge-Lab6/docs/pdf/
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.xls ~/challenge-Lab6/docs/xls/
mv: cannot stat '/home/cgcollado/challenge-Lab6/*.xls': No such file or directory
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.[go,rb,sh,py] ~/challenge-Lab6/docs/xls/
mv: cannot stat '/home/cgcollado/challenge-Lab6/*.[go,rb,sh,py]': No such file or directory
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.png ~/challenge-Lab6/images/png/
cgcollado@cis106vm:~$ mv ~/challenge-Lab6/*.jpg ~/challenge-Lab6/images/jpg/
cgcollado@cis106vm:~$ tree ~/challenge-Lab6/
/home/cgcollado/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
cgcollado@cis106vm:~$ _
```