Question 1


```
cgcollado@cis106vm:~$ git clone https://github.com/linuxworkshop67/rebeccasfiles
Cloning into 'rebeccasfiles'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (12/12), 111.38 KiB | 2.59 MiB/s, done.
Resolving deltas: 100% (3/3), done.
cgcollado@cis106vm:~$ cd Documents/
cgcollado@cis106vm:~/Documents$ mkdir -p Spring22/{cis160,en102,ma121}/{books,homework,not
es}
cgcollado@cis106vm:~/Documents$ cd
cgcollado@cis106vm:~$ cd rebeccasfiles/
cgcollado@cis106vm:~/rebeccasfiles$ ls
1.docx  1.pdf  2.docx  2.pdf  3.docx  3.pdf  notes1.md  notes2.md  notes3.md
cgcollado@cis106vm:~/rebeccasfiles$ mv 1.docx cis160.docx
cgcollado@cis106vm:~/rebeccasfiles$ mv 2.docx en102.docx
cgcollado@cis106vm:~/rebeccasfiles$ mv 3.docx ma121.docx
cgcollado@cis106vm:~/rebeccasfiles$ mv notes1.md cis160.md
cgcollado@cis106vm:~/rebeccasfiles$ mv notes2.md en102.md
```



```
cgcollado@cis106vm:~/rebeccasfiles$ mv notes2.md en102.md
cgcollado@cis106vm:~/rebeccasfiles$ mv notes3.md ma121.md
cgcollado@cis106vm:~/rebeccasfiles$ mv 1.pdf cis160.pdf
cgcollado@cis106vm:~/rebeccasfiles$ mv 2.pdf en102.pdf
cgcollado@cis106vm:~/rebeccasfiles$ mv 3.pdf ma121.pdf
cgcollado@cis106vm:~/rebeccasfiles$ ls
cis160.docx  cis160.pdf  en102.md   ma121.docx  ma121.pdf
cis160.md    en102.docx  en102.pdf  ma121.md
cgcollado@cis106vm:~/rebeccasfiles$ mv cis160.docx ~/Documents/Spring22/cis160/homework/
cgcollado@cis106vm:~/rebeccasfiles$ mv cis160.pdf ~/Documents/Spring22/cis160/books/
cgcollado@cis106vm:~/rebeccasfiles$ mv cis160.md ~/Documents/Spring22/cis160/notes/
cgcollado@cis106vm:~/rebeccasfiles$ mv en102.docx ~/Documents/Spring22/en102/homework/
cgcollado@cis106vm:~/rebeccasfiles$ mv en102.pdf ~/Documents/Spring22/en102/books/
cgcollado@cis106vm:~/rebeccasfiles$ mv en102.md ~/Documents/Spring22/en102/notes/
cgcollado@cis106vm:~/rebeccasfiles$ mv ma121.docx ~/Documents/Spring22/en102/homework/
cgcollado@cis106vm:~/rebeccasfiles$ mv ma121.pdf ~/Documents/Spring22/en102/books/
cgcollado@cis106vm:~/rebeccasfiles$ mv ma121.md ~/Documents/Spring22/en102/notes/
cgcollado@cis106vm:~/rebeccasfiles$ tree ~/Documents/Spring22/
/home/cgcollado/Documents/Spring22/
└── cis160
```

```
1/1 ∨   +   ⬑   ⬓              Tilix: cgcollado@cis106vm: ~/rebeccasfiles        🔍  ☰  ─  □  ✕

1: cgcollado@cis106vm: ~/rebeccasfiles ∨                                            A⌶  □   ✕

cgcollado@cis106vm:~/rebeccasfiles$ tree -sh ~/Documents/Spring22/
[4.0K]  /home/cgcollado/Documents/Spring22/
├── [4.0K]  cis160
│   ├── [4.0K]  books
│   │   └── [3.0K]  cis160.pdf
│   ├── [4.0K]  homework
│   │   └── [109K]  cis160.docx
│   └── [4.0K]  notes
│       └── [ 91]  cis160.md
├── [4.0K]  en102
│   ├── [4.0K]  books
│   │   ├── [3.0K]  en102.pdf
│   │   └── [3.0K]  ma121.pdf
│   ├── [4.0K]  homework
│   │   ├── [109K]  en102.docx
│   │   └── [109K]  ma121.docx
│   └── [4.0K]  notes
│       ├── [ 91]  en102.md
│       └── [ 91]  ma121.md
└── [4.0K]  ma121
```
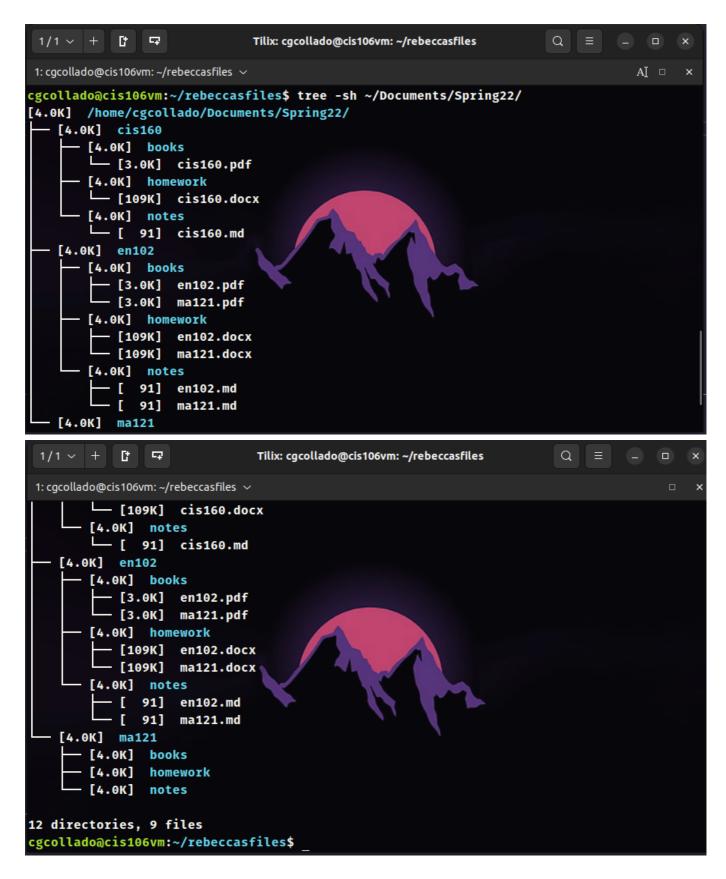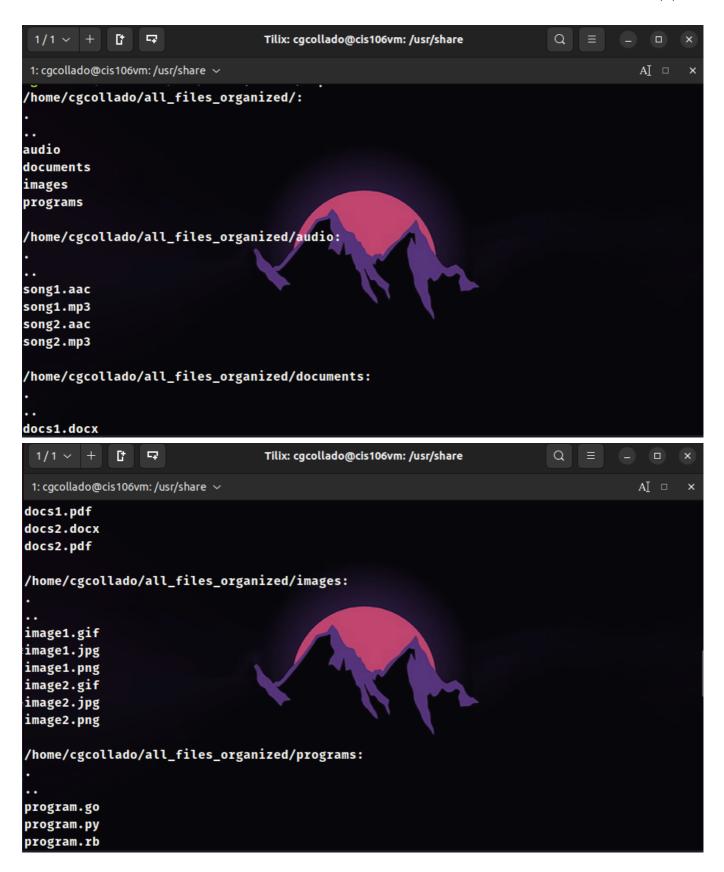
```
1/1 ∨   +   ⬑   ⬓              Tilix: cgcollado@cis106vm: ~/rebeccasfiles        🔍  ☰  ─  □  ✕

1: cgcollado@cis106vm: ~/rebeccasfiles ∨                                                □   ✕

│   │   └── [109K]  cis160.docx
│   └── [4.0K]  notes
│       └── [ 91]  cis160.md
├── [4.0K]  en102
│   ├── [4.0K]  books
│   │   ├── [3.0K]  en102.pdf
│   │   └── [3.0K]  ma121.pdf
│   ├── [4.0K]  homework
│   │   ├── [109K]  en102.docx
│   │   └── [109K]  ma121.docx
│   └── [4.0K]  notes
│       ├── [ 91]  en102.md
│       └── [ 91]  ma121.md
└── [4.0K]  ma121
    ├── [4.0K]  books
    ├── [4.0K]  homework
    └── [4.0K]  notes

12 directories, 9 files
cgcollado@cis106vm:~/rebeccasfiles$ _
```

Question 2

```
1/1 ∨  +  ⏏  ⊡              Tilix: cgcollado@cis106vm: /usr/share          ⬜ ≡  –  ☐  ✕

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

cgcollado@cis106vm:~$ curl https://cis106.com/assets/final_q2.sh | bash
  % Total     % Received % Xferd  Average Speed   Time    Time     Time  Current
                                  Dload  Upload   Total   Spent    Left  Speed
100   168  100   168     0      0    711       0 --:--:-- --:--:-- --:--:--    711
cgcollado@cis106vm:~$ ls
Backup            Downloads         lab5-video    practicels         Templates
carloscollado88   final_q2          lab6          practiceWildcars   Videos
challenge-Lab6    keygen.txt        lab6-q5       Public             website
Desktop           keygen.txt.pub    Music         rebeccasfiles      wildcardpractice
Documents         lab5-imgs         Pictures      snap
cgcollado@cis106vm:~$ cd /usr/share/
cgcollado@cis106vm:/usr/share$ ls -lGghX ~/final_q2/*[1-2].*
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/song1.aac
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/song2.aac
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/docs1.docx
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/docs2.docx
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image1.gif
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image2.gif
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image1.jpg
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image2.jpg
```

```
1/1 ∨  +  ⏏  ⊡              Tilix: cgcollado@cis106vm: /usr/share          ⬜ ≡  –  ☐  ✕

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

-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image2.jpg
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/song1.mp3
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/song2.mp3
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/docs1.pdf
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/docs2.pdf
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image1.png
-rw-rw-r-- 1 0 May  9 19:19 /home/cgcollado/final_q2/image2.png
cgcollado@cis106vm:/usr/share$ mkdir -p ~/all_files_organized/{images,programs,audio,docum
ents}
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.png ~/all_files_organized/images/
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.jpg ~/all_files_organized/images/
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.gif ~/all_files_organized/images/
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.pdf ~/all_files_organized/documents/
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.docx ~/all_files_organized/documents/
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.??? ~/all_files_organized/audio/
cgcollado@cis106vm:/usr/share$ mv ~/final_q2/*.?? ~/all_files_organized/programs/
cgcollado@cis106vm:/usr/share$ ls -aRS ~/all_files_organized/ > ~/report.txt
cgcollado@cis106vm:/usr/share$ cat ~/report.txt
/home/cgcollado/all_files_organized/:
.
```

```
1/1 ⌄   +   ⌷   ⊡          Tilix: cgcollado@cis106vm: /usr/share        🔍  ☰   ─   ▢   ✕

1: cgcollado@cis106vm: /usr/share ⌄                                          AI  ▢   ✕

/home/cgcollado/all_files_organized/:
.
..
audio
documents
images
programs

/home/cgcollado/all_files_organized/audio:
.
..
song1.aac
song1.mp3
song2.aac
song2.mp3

/home/cgcollado/all_files_organized/documents:
.
..
docs1.docx
```

```
1/1 ⌄   +   ⌷   ⊡          Tilix: cgcollado@cis106vm: /usr/share        🔍  ☰   ─   ▢   ✕

1: cgcollado@cis106vm: /usr/share ⌄                                          AI  ▢   ✕

docs1.pdf
docs2.docx
docs2.pdf

/home/cgcollado/all_files_organized/images:
.
..
image1.gif
image1.jpg
image1.png
image2.gif
image2.jpg
image2.png

/home/cgcollado/all_files_organized/programs:
.
..
program.go
program.py
program.rb
```

```
                    1/1 ∨   +   ☐   ☐           Tilix: cgcollado@cis106vm: /usr/share        🔍   ≡   —   ☐   ✕

1: cgcollado@cis106vm: /usr/share ∨                                                          A⌶  ☐   ✕
program.rb
program.sh
cgcollado@cis106vm:/usr/share$ cat -n ~/report.txt
     1  /home/cgcollado/all_files_organized/:
     2  .
     3  ..
     4  audio
     5  documents
     6  images
     7  programs
     8
     9  /home/cgcollado/all_files_organized/audio:
    10  .
    11  ..
    12  song1.aac
    13  song1.mp3
    14  song2.aac
    15  song2.mp3
    16
    17  /home/cgcollado/all_files_organized/documents:
```

```
                    1/1 ∨   +   ☐   ☐           Tilix: cgcollado@cis106vm: /usr/share        🔍   ≡   —   ☐   ✕

1: cgcollado@cis106vm: /usr/share ∨                                                              ☐   ✕
    37  ..
    38  program.go
    39  program.py
    40  program.rb
    41  program.sh
cgcollado@cis106vm:/usr/share$ ls -lGg ~/all_files_organized/
total 16
drwxrwxr-x 2 4096 May  9 19:39 audio
drwxrwxr-x 2 4096 May  9 19:38 documents
drwxrwxr-x 2 4096 May  9 19:37 images
drwxrwxr-x 2 4096 May  9 19:39 programs
cgcollado@cis106vm:/usr/share$ ls -alGg ~/all_files_organized/
total 24
drwxrwxr-x  6 4096 May  9 19:35 .
drwxr-x--- 37 4096 May  9 19:44 ..
drwxrwxr-x  2 4096 May  9 19:39 audio
drwxrwxr-x  2 4096 May  9 19:38 documents
drwxrwxr-x  2 4096 May  9 19:37 images
drwxrwxr-x  2 4096 May  9 19:39 programs
cgcollado@cis106vm:/usr/share$ _
```

Question 3

```
  * No time
```