Final Exam Submission

Q1

Note: I did not look at the photos closely and realize the other subdirectories but I managed to fix it at the end.

```
kmtorres46747@cis106:~$ 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 | 1.89 MiB/s, done.
Resolving deltas: 100% (3/3), done.
kmtorres46747@cis106:~$ mkdir -p KathySP23/CIS160 KathySP23/EN102 KathySP23/MA121
kmtorres46747@cis106:~$ mv rebeccasfiles/1.docx rebeccasfiles/cis160.docx
kmtorres46747@cis106:~$ mv rebeccasfiles/2.docx rebeccasfiles/en102.docx
kmtorres46747@cis106:~$ mv rebeccasfiles/3.docx rebeccasfiles/ma121.docx
kmtorres46747@cis106:~$ mv rebeccasfiles/notes1.md rebeccasfiles/cis160.md
kmtorres46747@cis106:~$ mv rebeccasfiles/notes2.md rebeccasfiles/en102.md
kmtorres46747@cis106:~$ mv rebeccasfiles/notes3.md rebeccasfiles/ma121.md
kmtorres46747@cis106:~$ mv rebeccasfiles/1.pdf rebeccasfiles/cis160.pdf
kmtorres46747@cis106:~$ mv rebeccasfiles/2.pdf rebeccasfiles/en102.pdf
kmtorres46747@cis106:~$ mv rebeccasfiles/3.pdf rebeccasfiles/ma121.pdf
kmtorres46747@cis106:~$ mv rebeccasfiles/cis160.* KathySP23/CIS160/
kmtorres46747@cis106:~$ mv rebeccasfiles/en102.* KathySP23/EN102/
kmtorres46747@cis106:~$ mv rebeccasfiles/ma121.* KathySP23/MA121/
kmtorres46747@cis106:~$ tree KathySP23/
KathySP23/
├── CIS160
│   ├── cis160.docx
│   ├── cis160.md
│   └── cis160.pdf
├── EN102
│   ├── en102.docx
│   ├── en102.md
│   └── en102.pdf
└── MA121
    ├── ma121.docx
    ├── ma121.md
    └── ma121.pdf

3 directories, 9 files
kmtorres46747@cis106:~$ mkdir -p KathySP23/CIS160/books KathySP23/CIS160/homework KathySP23/EN1
02/books KathySP23/EN102/homework KathySP23/MA121/books KathySP23/MA121/homework KathySP23/note
es KathySP23/EN102/notes KathySP23/CIS160/notes
kmtorres46747@cis106:~$ mv KathySP23/CIS160/cis160.docx KathySP23/CIS160/homework/
kmtorres46747@cis106:~$ mv KathySP23/CIS160/cis160.pdf KathySP23/CIS160/books/
kmtorres46747@cis106:~$ mv KathySP23/CIS160/cis160.md KathySP23/CIS160/notes/
kmtorres46747@cis106:~$ mv KathySP23/EN102/en102.docx KathySP23/EN102/homework/
kmtorres46747@cis106:~$ mv KathySP23/EN102/en102.pdf KathySP23/EN102/books/
kmtorres46747@cis106:~$ mv KathySP23/EN102/en102.md KathySP23/EN102/notes/
kmtorres46747@cis106:~$ mv KathySP23/MA121/ma121.md KathySP23/MA121/notes/
mv: cannot move 'KathySP23/MA121/ma121.md' to 'KathySP23/MA121/notes/': Not a directory
kmtorres46747@cis106:~$ mkdir KathySP23/MA121/notes
kmtorres46747@cis106:~$ mv KathySP23/MA121/ma121.md KathySP23/MA121/notes/
kmtorres46747@cis106:~$ mv KathySP23/MA121/ma121.pdf KathySP23/MA121/books/
kmtorres46747@cis106:~$ mv KathySP23/MA121/ma121.docx KathySP23/MA121/homework/
kmtorres46747@cis106:~$ tree KathySP23/
KathySP23/
├── CIS160
│   ├── books
│   │   └── cis160.pdf
│   ├── homework
│   │   └── cis160.docx
│   ├── notes
│   │   └── cis160.md
├── EN102
│   ├── books
│       └── en102.pdf
```

```
              en102.pdf
         ├── homework
         │   └── en102.docx
         └── notes
             └── en102.md
    ├── MA121
    │   ├── books
    │   │   └── ma121.pdf
    │   ├── homework
    │   │   └── ma121.docx
    │   └── notes
```

```
         └── notes
             └── ma121.md
    └── notees

13 directories, 9 files
kmtorres46747@cis106:~$ rm KathySP23/notees/
rm: cannot remove 'KathySP23/notees/': Is a directory
kmtorres46747@cis106:~$ rm -r KathySP23/notees/
kmtorres46747@cis106:~$ tree KathySP23/
KathySP23/
├── CIS160
│   ├── books
│   │   └── cis160.pdf
│   ├── homework
│   │   └── cis160.docx
│   └── notes
│       └── cis160.md
├── EN102
│   ├── books
│   │   └── en102.pdf
│   ├── homework
│   │   └── en102.docx
│   └── notes
│       └── en102.md
├── MA121
│   ├── books
│   │   └── ma121.pdf
│   ├── homework
│   │   └── ma121.docx
│   └── notes
│       └── ma121.md

12 directories, 9 files
kmtorres46747@cis106:~$
```

Q2

Step 1 and 2

```
kmtorres46747@cis106:~$ 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    907      0 --:--:-- --:--:-- --:--:--   908
kmtorres46747@cis106:~$ cd /usr/share/
```

Step 3

```
kmtorres46747@cis106:/usr/share$ ls -GghX ~/final_q2/*[1-2]*
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/song1.aac
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/song2.aac
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/docs1.docx
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/docs2.docx
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/image1.gif
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/image2.gif
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/image1.jpg
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/image2.jpg
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/song1.mp3
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/song2.mp3
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/docs1.pdf
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/docs2.pdf
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/image1.png
-rw-rw-r-- 1 0 May  9 17:52 /home/kmtorres46747/final_q2/image2.png
```

Step 4 and 5

```
kmtorres46747@cis106:/usr/share$ mkdir -p ~/all_files_organized/aac ~/all_files_organized/docx
kmtorres46747@cis106:/usr/share$ mkdir -p ~/all_files_organized/aac ~/all_files_organized/docx
~/all_files_organized/gif ~/all_files_organized/jpg ~/all_files_organized/mp3 ~/all_files_organ
ized/pdf ~/all_files_organized/png ~/all_files_organized/programs
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.aac ~/all_files_organized/aac
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.docx ~/all_files_organized/docx
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.gif ~/all_files_organized/gif
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.jpg ~/all_files_organized/jpg
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.mp3 ~/all_files_organized/mp3
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.pdf ~/all_files_organized/pdf
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/*.png ~/all_files_organized/png
kmtorres46747@cis106:/usr/share$ mv ~/final_q2/program* ~/all_files_organized/programs/
kmtorres46747@cis106:/usr/share$
```

Step 6 and 7

```
kmtorres46747@cis106:/usr/share$ ls -RS ~/all_files_organized/ > ~/report.txt
kmtorres46747@cis106:/usr/share$ cat ~/report.txt
/home/kmtorres46747/all_files_organized/:
aac
docx
gif
jpg
mp3
pdf
png
programs

/home/kmtorres46747/all_files_organized/aac:
song1.aac
song2.aac

/home/kmtorres46747/all_files_organized/docx:
docs1.docx
docs2.docx

/home/kmtorres46747/all_files_organized/gif:
image1.gif
image2.gif

/home/kmtorres46747/all_files_organized/jpg:
image1.jpg
image2.jpg

/home/kmtorres46747/all_files_organized/mp3:
song1.mp3
song2.mp3

/home/kmtorres46747/all_files_organized/pdf:
docs1.pdf
docs2.pdf

/home/kmtorres46747/all_files_organized/png:
```

Step 7 cont.

```
/home/kmtorres46747/all_files_organized/png:
image1.png
image2.png

/home/kmtorres46747/all_files_organized/programs:
program.go
program.py
program.rb
program.sh
```

Step 8, 9, 10

```
kmtorres46747@cis106:/usr/share$ wc -m ~/report.txt
646 /home/kmtorres46747/report.txt
kmtorres46747@cis106:/usr/share$ ls -lGg ~/all_files_organized/
total 32
drwxrwxr-x 2 4096 May  9 18:11 aac
drwxrwxr-x 2 4096 May  9 18:11 docx
drwxrwxr-x 2 4096 May  9 18:11 gif
drwxrwxr-x 2 4096 May  9 18:11 jpg
drwxrwxr-x 2 4096 May  9 18:12 mp3
drwxrwxr-x 2 4096 May  9 18:12 pdf
drwxrwxr-x 2 4096 May  9 18:12 png
drwxrwxr-x 2 4096 May  9 18:13 programs
kmtorres46747@cis106:/usr/share$ ls -lGg ~/all_files_organized/ >> ~/report.txt
kmtorres46747@cis106:/usr/share$ cat ~/report.txt
/home/kmtorres46747/all_files_organized/:
aac
docx
gif
jpg
mp3
pdf
png
programs

/home/kmtorres46747/all_files_organized/aac:
song1.aac
song2.aac

/home/kmtorres46747/all_files_organized/docx:
docs1.docx
docs2.docx

/home/kmtorres46747/all_files_organized/gif:
image1.gif
image2.gif

/home/kmtorres46747/all_files_organized/jpg:
```

Step 10 cont.

```
/home/kmtorres46747/all_files_organized/jpg:
image1.jpg
image2.jpg

/home/kmtorres46747/all_files_organized/mp3:
song1.mp3
song2.mp3

/home/kmtorres46747/all_files_organized/pdf:
docs1.pdf
docs2.pdf

/home/kmtorres46747/all_files_organized/png:
image1.png
image2.png

/home/kmtorres46747/all_files_organized/programs:
program.go
program.py
program.rb
program.sh
total 32
drwxrwxr-x 2 4096 May  9 18:11 aac
drwxrwxr-x 2 4096 May  9 18:11 docx
drwxrwxr-x 2 4096 May  9 18:11 gif
drwxrwxr-x 2 4096 May  9 18:11 jpg
drwxrwxr-x 2 4096 May  9 18:12 mp3
drwxrwxr-x 2 4096 May  9 18:12 pdf
drwxrwxr-x 2 4096 May  9 18:12 png
drwxrwxr-x 2 4096 May  9 18:13 programs
kmtorres46747@cis106:/usr/share$ _
```

Q3

```
kmtorres46747@cis106:~$ git clone https://github.com/linuxworkshop67/broken_website
Cloning into 'broken_website'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (10/10), 591.03 KiB | 4.65 MiB/s, done.
kmtorres46747@cis106:~$ ls broken_website/
bg-masthead.jpg      demo-image-02.jpg    index.html   scripts.js
demo-image-01.jpg    favicon.ico          ipad.png     styles.css
kmtorres46747@cis106:~$ cat broken_website/index.html
```

```
kmtorres46747@cis106:~$ mkdir -p broken_website/assets/img/ broken_website/js/ broken_website/css/
kmtorres46747@cis106:~$ mv broken_website/*.jpg broken_website/assets/img/
kmtorres46747@cis106:~$ mv broken_website/*.png broken_website/assets/img/
kmtorres46747@cis106:~$ mv broken_website/*.ico broken_website/assets
kmtorres46747@cis106:~$ mv broken_website/*.js broken_website/js/
kmtorres46747@cis106:~$ mv broken_website/*.css broken_website/css/
kmtorres46747@cis106:~$ firefox broken_website/index.html
Gtk-Message: 19:17:06.772: Failed to load module "xapp-gtk3-module"
Gtk-Message: 19:17:06.773: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.
kmtorres46747@cis106:~$ _
```