Lab 5 Managing Files and Directories

Question 1

```
maybs248@cis106:~$ pwd
/home/maybs248
maybs248@cis106:~$ mkdir lab5
mkdir: cannot create directory 'lab5': File exists
maybs248@cis106:~$ cd lab5/
maybs248@cis106:~/lab5$ mkdir pets docs songs
mkdir: cannot create directory 'pets': File exists
mkdir: cannot create directory 'docs': File exists
mkdir: cannot create directory 'songs': File exists
maybs248@cis106:~/lab5$ mkdir pets/old pets/new
mkdir: cannot create directory 'pets/old': File exists
mkdir: cannot create directory 'pets/new': File exists
maybs248@cis106:~/lab5$ mkdir docs/old docs/new
mkdir: cannot create directory 'docs/old': File exists
mkdir: cannot create directory 'docs/new': File exists
maybs248@cis106:~/lab5$ mkdir songs/old songs/new
mkdir: cannot create directory 'songs/old': File exists
mkdir: cannot create directory 'songs/new': File exists
maybs248@cis106:~/lab5$ 
```

```
maybs248@cis106:~/lab5$ touch pets/old/file1
maybs248@cis106:~/lab5$ touch pets/old/file2
maybs248@cis106:~/lab5$ touch pets/old/file3
maybs248@cis106:~/lab5$ touch pets/new/file1
maybs248@cis106:~/lab5$ touch pets/new/file2
maybs248@cis106:~/lab5$ touch pets/new/file3
maybs248@cis106:~/lab5$ touch docs/old/file1
maybs248@cis106:~/lab5$ touch docs/old/file2
maybs248@cis106:~/lab5$ touch docs/old/file3
maybs248@cis106:~/lab5$ touch docs/new/file1
maybs248@cis106:~/lab5$ touch docs/new/file2
maybs248@cis106:~/lab5$ touch docs/new/file3
maybs248@cis106:~/lab5$ touch songs/old/file1
maybs248@cis106:~/lab5$ touch songs/old/file2
maybs248@cis106:~/lab5$ touch songs/old/file3
maybs248@cis106:~/lab5$ touch songs/new/file1
maybs248@cis106:~/lab5$ touch songs/new/file2
maybs248@cis106:~/lab5$ touch songs/new/file3
maybs248@cis106:~/lab5$ 
```

```
maybs248@cis106:~/lab5$ tree
.
├── docs
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── pets
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── songs
    ├── new
    │   ├── file1
    │   ├── file2
    │   └── file3
    └── old
        ├── file1
        ├── file2
        └── file3

9 directories, 18 files
```

Question 2

```
maybs248@cis106:~/lab5$ cd /srv/
maybs248@cis106:/srv$ rm ~/lab5/pets/new/file1
maybs248@cis106:/srv$ rm ~/lab5/pets/new/file2
maybs248@cis106:/srv$ rm ~/lab5/pets/new/file3
maybs248@cis106:/srv$ rm -r ~/lab5/pets/
maybs248@cis106:/srv$ rm -r ~/lab5/docs/ ~/lab5/songs/
maybs248@cis106:/srv$ rm -r ~/lab5
maybs248@cis106:/srv$
```

Question 3

```
maybs248@cis106:~$ wget https://cis106.com/assets/lab5.zip && unzip lab5.zip && rm lab5.zip
--2022-03-29 15:32:47--  https://cis106.com/assets/lab5.zip
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4210527 (4.0M) [application/zip]
Saving to: 'lab5.zip'

lab5.zip                      100%[===================================================================>]   4.01M  4.32MB/s    in 0.9s

2022-03-29 15:32:48 (4.32 MB/s) - 'lab5.zip' saved [4210527/4210527]

Archive:  lab5.zip
   creating: lab5/
 extracting: lab5/.hidden
  inflating: lab5/Pexels.mp4
  inflating: lab5/Silence.mp3
  inflating: lab5/Videoleaf.mp4
  inflating: lab5/another.mp4
  inflating: lab5/audio.mp3
 extracting: lab5/fileA.txt
 extracting: lab5/fileB.txt
 extracting: lab5/filea.txt
  inflating: lab5/image1.jpeg
  inflating: lab5/image2.jpeg
  inflating: lab5/image3.png
  inflating: lab5/image4.png
  inflating: lab5/image5.gif
  inflating: lab5/song.mp3
  inflating: lab5/trivia.txt
 extracting: lab5/triviaXYZ.txt
 extracting: lab5/vita.txt
   creating: lab5/wallpaperslab5/
  inflating: lab5/wallpaperslab5/cpu.jpeg
  inflating: lab5/wallpaperslab5/keyboard.jpeg
  inflating: lab5/wallpaperslab5/pc.jpeg
maybs248@cis106:~$
```

```
maybs248@cis106:~$ mkdir lab5-images lab5-audio lab5-video lab5-docs
mkdir: cannot create directory 'lab5-audio': File exists
mkdir: cannot create directory 'lab5-video': File exists
mkdir: cannot create directory 'lab5-docs': File exists
maybs248@cis106:~$ mkdir lab5-images
mkdir: cannot create directory 'lab5-images': File exists
maybs248@cis106:~$ mv lab5/audio.mp3 lab5/song.mp3 lab5/Silence.mp3 lab5-a
udio/
maybs248@cis106:~$ mv lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png la
b5/image4.png lab5/image5.gif lab5-images/
maybs248@cis106:~$ mv lab5/another.mp4 lab5/Pexels.mp4 lab5/Videoleaf.mp4
lab5-video/
maybs248@cis106:~$ mv lab5/fileA.txt lab5/fileB.txt lab5/filea.txt lab5/tr
ivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs/
maybs248@cis106:~$ mv lab5/wallpaperslab5 lab5-images/
maybs248@cis106:~$ mv lab5/wallpaperslab5/ Pictures/NewWallpapers
mv: cannot stat 'lab5/wallpaperslab5/': No such file or directory
maybs248@cis106:~$ mv lab5-images/wallpaperslab5/ Pictures/NewWallpapers
maybs248@cis106:~$ mv lab5 lab-5
maybs248@cis106:~$
```

Question 4

```
maybs248@cis106:~$ ls Downloads/
'4K No Logo G674.jpg'     pexels-john-cahil-rom-2170473.jpg     pexels-philippe-donn-1114690.jpg
 lab4files.zip           pexels-lisa-fotios-1083822.jpg       practicels.tar.xz
maybs248@cis106:~$ cp Downloads/pexels-john-cahil-rom-2170473.jpg Downloads/pexels-philippe-donn-1114690.jpg Downloads/pexels-lisa-fotios-1083822.jpg
Pictures/NewWallpapers/
maybs248@cis106:~$ mdir Downloads/computers
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
maybs248@cis106:~$ mkdir Downloads/computers
maybs248@cis106:~$
```

```
maybs248@cis106:~$ ls
cis106    Documents  lab4files   lab5-audio   lab5-images  Music      practicels              Public    Templates
Desktop   Downloads  lab-5       lab5-docs    lab5-video   Pictures   practicels.tar.xz       snap      Videos
maybs248@cis106:~$ ls Downloads/
'4K No Logo G674.jpg'    comp2.jpg   computers       pexels-john-cahil-rom-2170473.jpg    pexels-philippe-donn-1114690.jpg
 comp1.jpg               comp3.jpg   lab4files.zip   pexels-lisa-fotios-1083822.jpg       practicels.tar.xz
maybs248@cis106:~$ mv Downloads/comp1.jpg Downloads/comp2.jpg Downloads/comp3.jpg Downloads/computers/
maybs248@cis106:~$
```

```
maybs248@cis106:~$ cp -r Downloads/computers/ Pictures/
maybs248@cis106:~$ rm -r Downloads/computers/
maybs248@cis106:~$
```

Challenge Question

```
maybs248@cis106:~$ mkdir lab5ChallengeQuestion
maybs248@cis106:~$ cd lab5ChallengeQuestion/
maybs248@cis106:~/lab5ChallengeQuestion$ mkdir assets
maybs248@cis106:~/lab5ChallengeQuestion$ cd
maybs248@cis106:~$ cd Downloads
```

```
maybs248@cis106:~$ cd Downloads
maybs248@cis106:~/Downloads$ mv newPicture.png ~/lab5ChallengeQuestion/assets/
```

```
maybs248@cis106:~/lab5ChallengeQuestion$ cd /
maybs248@cis106:/$ touch ~/lab5ChallengeQuestion/site.html
maybs248@cis106:/$
```