

Lab 5

Question 1

```
amlarsen@CIS106:~$ mkdir lab5
amlarsen@CIS106:~$ cd lab5/
amlarsen@CIS106:~/lab5$ mkdir pets docs songs
amlarsen@CIS106:~/lab5$ mkdir pets/old pets/new
amlarsen@CIS106:~/lab5$ mkdir docs/old docs/new
amlarsen@CIS106:~/lab5$ mkdir songs/old songs/new
amlarsen@CIS106:~/lab5$ tree .
.
├── docs
│   ├── new
│   └── old
├── pets
│   ├── new
│   └── old
└── songs
    ├── new
    └── old

9 directories, 0 files
amlarsen@CIS106:~/lab5$ touch pets/old/file1 pets/old/file2 pets/old/file3
amlarsen@CIS106:~/lab5$ touch pets/new/file1 pets/new/file2 pets/new/file3
amlarsen@CIS106:~/lab5$ tree
.
├── docs
│   ├── new
│   └── old
├── pets
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── songs
    ├── new
    └── old

9 directories, 6 files
amlarsen@CIS106:~/lab5$ touch docs/old/file1 docs/old/file2 docs/old/file3
amlarsen@CIS106:~/lab5$ touch docs/new/file1 docs/new/file2 docs/new/file3
amlarsen@CIS106:~/lab5$ tree
.
├── docs
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── pets
└── songs
```

```
.
├── new
│   ├── file1
│   ├── file2
│   └── file3
└── old
    ├── file1
    ├── file2
    └── file3

songs
├── new
└── old

9 directories, 12 files
amlarsen@CIS106:~/lab5$ touch songs/old/file1 songs/old/file2 songs/old/file3
amlarsen@CIS106:~/lab5$ touch songs/new/file1 songs/new/file2 songs/old/file3
amlarsen@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
    └── old
        ├── file1
        ├── file2
        └── file3

9 directories, 17 files
```

Question 2

```
amlarsen@CIS106:~/lab5$ cd /srv/  
amlarsen@CIS106:/srv$ rm home/amlarsen/lab5/pets/new/file1  
rm: cannot remove 'home/amlarsen/lab5/pets/new/file1': No such file or directory  
amlarsen@CIS106:/srv$ rm /home/amlarsen/lab5/pets/new/file1  
amlarsen@CIS106:/srv$ rm /home/amlarsen/lab5/pets/new/file2  
amlarsen@CIS106:/srv$ rm /home/amlarsen/lab5/pets/new/file3  
amlarsen@CIS106:/srv$ rm -r ~/lab5/pets/  
amlarsen@CIS106:/srv$ rm -r ~/lab5/docs/  
amlarsen@CIS106:/srv$ rm -r ~/lab5/songs/
```

Question 3

```
amlarsen@CIS106:~$ wget https://cis106.com/assets/lab5.zip && unzip lab5.zip && rm lab5.zip
--2023-03-28 14:47:48-- 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  23.4MB/s   in 0.2s
```

```
2023-03-28 14:47:49 (23.4 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
```

```
amlarsen@CIS106:~$
```

```
amlarsen@CIS106:~$ tree lab5
```

```
lab5
├── another.mp4
├── audio.mp3
├── filea.txt
├── fileA.txt
├── fileB.txt
├── image1.jpeg
├── image2.jpeg
├── image3.png
├── image4.png
├── image5.gif
├── Pexels.mp4
├── Silence.mp3
├── song.mp3
├── trivia.txt
├── triviaXYZ.txt
├── Videoleaf.mp4
├── vita.txt
└── wallpaperslab5
    ├── cpu.jpeg
    ├── keyboard.jpeg
    └── pc.jpeg
```

```
1 directory, 20 files
```

```
amlarsen@CIS106:~$
```

```
amlarsen@CIS106:~$ mv lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png lab5/image4.png lab5/image5.gif lab5-imgs/
```

```

amlarsen@CIS106:~$ mv lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png lab5/image4.png lab5/image5.gif lab5-imgs/
amlarsen@CIS106:~$ tree lab5
lab5
├── another.mp4
├── audio.mp3
├── filea.txt
├── fileA.txt
├── fileB.txt
├── Pexels.mp4
├── Silence.mp3
├── song.mp3
├── trivia.txt
├── triviaXYZ.txt
├── Videoleaf.mp4
├── vita.txt
├── wallpaperslab5
│   ├── cpu.jpeg
│   ├── keyboard.jpeg
│   └── pc.jpeg
└──

1 directory, 15 files
amlarsen@CIS106:~$ mv lab5/another.mp4 lab5/audio.mp3 lab5/Pexels.mp4 lab5/silence.mp3 lab5/song.mp3 lab5/Videoleaf.mp4
lab5-audio
mv: cannot stat 'lab5/silence.mp3': No such file or directory
amlarsen@CIS106:~$ mv lab5/Silence.mp3 lab5-audio
amlarsen@CIS106:~$ tree lab5
lab5
├── filea.txt
├── fileA.txt
├── fileB.txt
├── trivia.txt
├── triviaXYZ.txt
├── vita.txt
├── wallpaperslab5
│   ├── cpu.jpeg
│   ├── keyboard.jpeg
│   └── pc.jpeg
└──

1 directory, 9 files

amlarsen@CIS106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs
amlarsen@CIS106:~$ tree lab5
lab5
├── wallpaperslab5
│   ├── cpu.jpeg
│   ├── keyboard.jpeg
│   └── pc.jpeg
└──

1 directory, 3 files
amlarsen@CIS106:~$ mv lab5/wallpaperslab5/ Pictures/NewWallpapers
amlarsen@CIS106:~$ mv lab5/ Lab-5/
amlarsen@CIS106:~$ tree Lab-5
Lab-5
├── another.mp4
├── Pexels.mp4
├── Videoleaf.mp4
└──

0 directories, 3 files
amlarsen@CIS106:~$ mv Lab-5/another.mp4 Lab-5/Pexels.mp4 Lab-5/Videoleaf.mp4 lab5-video
mv: cannot stat 'Lab-5/Videoleaf.mp4': No such file or directory
amlarsen@CIS106:~$ mv Lab-5/Videoleaf.mp4 lab5-video
amlarsen@CIS106:~$ tree Lab-5
Lab-5

0 directories, 0 files
amlarsen@CIS106:~$

```

Question 4

```

amlarsen@CIS106:~$ mv Downloads/pexels-photo-15975880.jpeg Pictures/NewWallpapers/
amlarsen@CIS106:~$ mv Downloads/pexels-photo-11733526.jpeg Pictures/NewWallpapers/
amlarsen@CIS106:~$ mv Downloads/pexels-photo-12186454.jpeg Pictures/NewWallpapers/
amlarsen@CIS106:~$ mv Downloads/pexels-photo-15327232.jpeg Pictures/NewWallpapers/
amlarsen@CIS106:~$ cd /Downloads/
bash: cd: /Downloads/: No such file or directory
amlarsen@CIS106:~$ cd Downloads/
amlarsen@CIS106:~/Downloads$ mkdir new-dlc
amlarsen@CIS106:~/Downloads$ ls
1200px-Falco_SSBu.webp      'code_1.76.0-1677667493_amd64(7).deb'
320204228_2747196818747488_801362676986823724_n.jpg  'code_1.76.0-1677667493_amd64(8).deb'
327094154_3491247504528569_4868900326190452177_n.jpg  'code_1.76.0-1677667493_amd64(9).deb'
327162000_739172880933058_8700408570114678451_n.jpg  code_1.76.0-1677667493_amd64.deb
Arimo.zip                code-1.76.0-1677667581.el7.x86_64.rpm
AurulentSansMono.zip     FiraCode.zip
code_1.75.0-1675266613_amd64.deb  'lab4files(1).zip'
'code_1.76.0-1677667493_amd64(10).deb'  lab4files.zip
'code_1.76.0-1677667493_amd64(11).deb'  new-dlc
'code_1.76.0-1677667493_amd64(12).deb'  pexels-cottonbro-studio-4056462.jpg
'code_1.76.0-1677667493_amd64(13).deb'  pexels-photo-2171583.jpeg
'code_1.76.0-1677667493_amd64(1).deb'  pexels-photo-2607544.jpeg
'code_1.76.0-1677667493_amd64(2).deb'  pexels-photo-3196887.jpeg
'code_1.76.0-1677667493_amd64(3).deb'  'Powerpoint(1).odp'
'code_1.76.0-1677667493_amd64(4).deb'  Powerpoint.odp
'code_1.76.0-1677667493_amd64(5).deb'  'Snapshot 1 Lab 1.PNG'
'code_1.76.0-1677667493_amd64(6).deb'  Wallpaper.jpg
amlarsen@CIS106:~/Downloads$

amlarsen@CIS106:~$ mv Downloads/pexels-cottonbro-studio-4056462.jpg Downloads/new-dlc
amlarsen@CIS106:~$ mv Downloads/pexels-photo-2171583.jpeg Downloads/new-dlc
mv: cannot stat 'Downloads/pexels-photo-2171583.jpeg': No such file or directory
amlarsen@CIS106:~$ mv Downloads/pexels-photo-2171583.jpeg Downloads/new-dlc
amlarsen@CIS106:~$ mv Downloads/pexels-photo-2607544.jpeg Downloads/new-dlc
amlarsen@CIS106:~$ mv Downloads/pexels-photo-3196887.jpeg Downloads/new-dlc
amlarsen@CIS106:~$ tree new-dlc
new-dlc [error opening dir]

0 directories, 0 files
amlarsen@CIS106:~$ cd Downloads/
amlarsen@CIS106:~/Downloads$ tree new-dlc
new-dlc
├── pexels-cottonbro-studio-4056462.jpg
├── pexels-photo-2171583.jpeg
├── pexels-photo-2607544.jpeg
└── pexels-photo-3196887.jpeg

0 directories, 4 files
amlarsen@CIS106:~/Downloads$ cd /home/amlarsen/
amlarsen@CIS106:~$ cp -r Downloads/new-dlc/ Pictures/
amlarsen@CIS106:~$ rm -r Downloads/new-dlc/
amlarsen@CIS106:~$

```

Challenge Question

```
amlarsen@CIS106:~$ mkdir lab5ChallengeQuestion
amlarsen@CIS106:~$ mkdir assets/lab5ChallengeQuestion
mkdir: cannot create directory 'assets/lab5ChallengeQuestion': No such file or directory
amlarsen@CIS106:~$ mkdir lab5ChallengeQuestion/assets
amlarsen@CIS106:~$ mv pexels-photo-1921336.jpeg newPicture.png
mv: cannot stat 'pexels-photo-1921336.jpeg': No such file or directory
amlarsen@CIS106:~$ mv pexels-photo-1921336.jpeg newPicture.jpeg
mv: cannot stat 'pexels-photo-1921336.jpeg': No such file or directory
amlarsen@CIS106:~$ cd /Downloads/
bash: cd: /Downloads/: No such file or directory
amlarsen@CIS106:~$ cd Downloads/
amlarsen@CIS106:~/Downloads$ mv pexels-photo-1921336.jpeg newPicture.jpeg
amlarsen@CIS106:~/Downloads$ cd /home/amlarsen/
```

```
root@CIS106:/home/amlarsen# mv newPicture.jpeg lab5ChallengeQuestion/assets/
mv: cannot stat 'newPicture.jpeg': No such file or directory
root@CIS106:/home/amlarsen# cd Downloads/
```

```
root@CIS106:/home/amlarsen# mv Downloads/newPicture.jpeg lab5ChallengeQuestion/assets/
root@CIS106:/home/amlarsen#
```

Challenge Question Lab 5