

# Lab 5 Managing files and directories

## Question 1

```
rkabir@cis106:~$ pwd
/home/rkabir
rkabir@cis106:~$ mkdir lab5
rkabir@cis106:~$ cd lab5/
rkabir@cis106:~/lab5$ mkdir pets docs songs
rkabir@cis106:~/lab5$ mkdir pets/old pets/new
rkabir@cis106:~/lab5$ touch pets/old/file1
rkabir@cis106:~/lab5$ touch pets/old/file2
rkabir@cis106:~/lab5$ touch pets/old/file3
rkabir@cis106:~/lab5$ touch pets/new/file1
rkabir@cis106:~/lab5$ touch pets/new/file2
rkabir@cis106:~/lab5$ touch pets/new/file3
rkabir@cis106:~/lab5$ tree
.
├── docs
├── pets
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── songs

5 directories, 6 files
rkabir@cis106:~/lab5$ mkdir docs/old docs/new
rkabir@cis106:~/lab5$ touch docs/old/file1
rkabir@cis106:~/lab5$ touch docs/old/file2
rkabir@cis106:~/lab5$ touch docs/old/file3
rkabir@cis106:~/lab5$ touch docs/new/file1
rkabir@cis106:~/lab5$ touch docs/new/file2
rkabir@cis106:~/lab5$ touch docs/new/file3
rkabir@cis106:~/lab5$ tree
.
├── docs
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── pets
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── songs

7 directories, 12 files
rkabir@cis106:~/lab5$ mkdir songs/old songs/new
rkabir@cis106:~/lab5$ touch songs/old/file1
rkabir@cis106:~/lab5$ touch songs/old/file2
rkabir@cis106:~/lab5$ touch songs/old/file3
rkabir@cis106:~/lab5$ touch songs/new/file1
rkabir@cis106:~/lab5$ touch songs/new/file2
rkabir@cis106:~/lab5$ touch songs/new/file3
rkabir@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

rkabir@cis106:~/lab5\$

rkabir@cis106: ~/lab5

## Question 2

Applications Places



```
rkabir@cis106:~/lab5$ cd /srv/
rkabir@cis106:/srv$ rm ~/lab5/pets/new/file1
rkabir@cis106:/srv$ rm ~/lab5/pets/new/file2
rkabir@cis106:/srv$ rm ~/lab5/pets/new/file3
rkabir@cis106:/srv$ rm -r ~/lab5/pets/
rkabir@cis106:/srv$ rm -r ~/lab5/pets/
rm: cannot remove '/home/rkabir/lab5/pets/': No such file or directory
rkabir@cis106:/srv$ rm -r ~/lab5/docs/ ~/lab5/songs/
rkabir@cis106:/srv$ rm -r ~/lab5
rkabir@cis106:/srv$
```

## Question 3

```
rkabir@cis106: ~  
rkabir@cis106:~$ ls lab5/  
another.mp4  fileB.txt      image4.png    song.mp3       vita.txt  
audio.mp3    image1.jpeg    image5.gif    trivia.txt     wallpaperslab5  
filea.txt    image2.jpeg    Pexels.mp4    triviaXYZ.txt  
fileA.txt    image3.png    Silence.mp3    Videoleaf.mp4  
rkabir@cis106:~$ mkdir lab5-imgs lab5-audio lab5-video lab5-docs  
rkabir@cis106:~$ mv lab5/audio.mp3 lab5/song.mp3 lab5/silence.mp3 lab5-audio/  
mv: cannot stat 'lab5/silence.mp3': No such file or directory  
rkabir@cis106:~$ mv lab5/audio.mp3 lab5/song.mp3 lab5/Silence.mp3 lab5-audio/  
mv: cannot stat 'lab5/audio.mp3': No such file or directory  
mv: cannot stat 'lab5/song.mp3': No such file or directory  
rkabir@cis106:~$ mv lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png lab5/image5.gif lab5-imgs/  
rkabir@cis106:~$ mv lab5/image4.png lab5-imgs/  
rkabir@cis106:~$ mv lab5/another.mp4 lab5/pixels.mp4 lab5/videoleaf.mp4 lab5-video/  
mv: cannot stat 'lab5/pixels.mp4': No such file or directory  
mv: cannot stat 'lab5/videoleaf.mp4': No such file or directory  
rkabir@cis106:~$ mv lab5/another.mp4 lab5/Pexels.mp4 lab5/Videoleaf.mp4 lab5-video/  
mv: cannot stat 'lab5/another.mp4': No such file or directory  
rkabir@cis106:~$ mv filea.txt fileB.txt triviaXYZ.txt wallpaperslab5  
mv: target 'wallpaperslab5' is not a directory  
rkabir@cis106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs  
rkabir@cis106:~$ mv lab5/wallpaperslab5/ pictures/ newWallpapers  
mv: target 'newWallpapers' is not a directory  
rkabir@cis106:~$ mv lab5/wallpaperslab5/ pictures/newWallpapers  
mv: cannot move 'lab5/wallpaperslab5/' to 'pictures/newWallpapers': No such file or directory  
rkabir@cis106:~$ mv lab5/ lab-5  
rkabir@cis106:~$
```

## Question 4

```
rkabir@cis106: ~  
rkabir@cis106:~$ ls lab5/  
ls: cannot access 'lab5/': No such file or directory  
rkabir@cis106:~$ ls lab-5  
wallpaperslab5  
rkabir@cis106:~$ mv lab-5/wallpaperslab5/ Pictures/NewWallpapers  
rkabir@cis106:~$ cp Downloads/pexels-photo-1083822.jpeg Downloads/pexels-photo-2  
246476.jpeg Downloads/pexels-photo-325185.jpeg Pictures/NewWallpapers/  
rkabir@cis106:~$ mkdir Downloads/computers  
rkabir@cis106:~$
```

```
rkabir@cis106:~$ ls  
CIS106      Downloads  lab5-audio  lab5-video  Public      Videos  
Desktop     lab4files  lab5-docs   Music        snap  
Documents   lab-5      lab5-imgs   Pictures     Templates  
rkabir@cis106:~$ ls Do  
Documents/ Downloads/  
rkabir@cis106:~$ ls Do  
Documents/ Downloads/  
rkabir@cis106:~$ ls Downloads/  
comp1.jpeg  computers                                pexels-photo-2246476.jpeg  
comp2.jpeg  lab4files.zip                          pexels-photo-325185.jpeg  
comp3.jpeg  pexels-photo-1083822.jpeg              pexels-photo-325185.webp  
rkabir@cis106:~$ mv Downloads/comp1.jpeg Downloads/comp2.jpeg Downloads/comp3.jpeg Downloads/computers/  
rkabir@cis106:~$ ls  
CIS106      Downloads  lab5-audio  lab5-video  Public      Videos  
Desktop     lab4files  lab5-docs   Music        snap  
Documents   lab-5      lab5-imgs   Pictures     Templates  
rkabir@cis106:~$ ls Downloads/  
computers    pexels-photo-1083822.jpeg  pexels-photo-325185.jpeg  
lab4files.zip pexels-photo-2246476.jpeg  pexels-photo-325185.webp  
rkabir@cis106:~$
```

```
rkabir@cis106: ~  
rkabir@cis106:~$ cp -r Downloads/computers/ Pictures/  
rkabir@cis106:~$ rm -r Downloads/computers/  
rkabir@cis106:~$ ls Downloads/  
lab4files.zip          pexels-photo-2246476.jpeg  pexels-photo-325185.webp  
pexels-photo-1083822.jpeg  pexels-photo-325185.jpeg  
rkabir@cis106:~$ rm -r Downloads/*  
rkabir@cis106:~$
```

## Question 5

```
rkabir@cis106: ~  
rkabir@cis106:~$ mkdir lab5ChallengeQuestion  
rkabir@cis106:~$ ls lab5ChallengeQuestion/  
rkabir@cis106:~$ touch lab5ChallengeQuestion/assets  
rkabir@cis106:~$ ls lab5ChallengeQuestion/  
assets  
rkabir@cis106:~$ ls Downloads/  
newpicture.png  
rkabir@cis106:~$ mv Downloads/newpicture.png lab5ChallengeQuestion/assets  
rkabir@cis106:~$ ls lab5ChallengeQuestion/  
assets  
rkabir@cis106:~$ touch lab5ChallengeQuestion/site.html  
rkabir@cis106:~$
```