

# Lab 5 Managing files and directories

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## Question 1

```
angel922@cis106:~$ pwd
/home/angel922
angel922@cis106:~$ mkdir lab5
angel922@cis106:~$ cd lab5/
angel922@cis106:~/lab5$ mkdir pets docs songs
angel922@cis106:~/lab5$ mkdir pets/old pets/new
angel922@cis106:~/lab5$ touch pets/old/file1
angel922@cis106:~/lab5$ touch pets/old/file2
angel922@cis106:~/lab5$ touch pets/old/file3
angel922@cis106:~/lab5$ touch pets/new/file1
angel922@cis106:~/lab5$ touch pets/new/file2
angel922@cis106:~/lab5$ touch pets/new/file3
angel922@cis106:~/lab5$ mkdir docs/old docs/new
angel922@cis106:~/lab5$ touch docs/old/file1
angel922@cis106:~/lab5$ touch docs/old/file2
angel922@cis106:~/lab5$ touch docs/old/file3
angel922@cis106:~/lab5$ touch docs/new/file1
angel922@cis106:~/lab5$ touch docs/new/file2
angel922@cis106:~/lab5$ touch docs/new/file3
angel922@cis106:~/lab5$ mkdir songs/old songs/new
angel922@cis106:~/lab5$ touch songs/old/file1
angel922@cis106:~/lab5$ touch songs/old/file2
angel922@cis106:~/lab5$ touch songs/old/file3
angel922@cis106:~/lab5$ touch songs/new/file1
angel922@cis106:~/lab5$ touch songs/new/file2
angel922@cis106:~/lab5$ touch songs/new/file3
angel922@cis106:~/lab5$ tree
```

```
graph LR
    docs --> new_docs[new]
    docs --> old_docs[old]
    new_docs --> file1_docs[file1]
    new_docs --> file2_docs[file2]
    new_docs --> file3_docs[file3]
    old_docs --> file1_old[file1]
    old_docs --> file2_old[file2]
    old_docs --> file3_old[file3]
    pets --> new_pets[new]
    pets --> old_pets[old]
    new_pets --> file1_pets[file1]
    new_pets --> file2_pets[file2]
    new_pets --> file3_pets[file3]
    old_pets --> file1_old_pets[file1]
    old_pets --> file2_old_pets[file2]
    old_pets --> file3_old_pets[file3]
    songs --> new_songs[new]
    songs --> old_songs[old]
    new_songs --> file1_songs[file1]
    new_songs --> file2_songs[file2]
    new_songs --> file3_songs[file3]
    old_songs --> file1_old_songs[file1]
    old_songs --> file2_old_songs[file2]
    old_songs --> file3_old_songs[file3]
```

9 directories, 18 files  
angel922@cis106:~/lab5\$

## Question 2

```
angel922@cis106:~/lab5$ cd /srv/
angel922@cis106:/srv$ rm ~/lab5/pets/new/file1
angel922@cis106:/srv$ rm ~/lab5/pets/new/file2
angel922@cis106:/srv$ rm ~/lab5/pets/new/file3
angel922@cis106:/srv$ rm -r ~/lab5/pets/
angel922@cis106:/srv$ rm -r ~/lab5/docs/ ~/lab5/songs/
angel922@cis106:/srv$ rm -r ~/lab5
angel922@cis106:/srv$
```

## Question 3

```
angel922@cis106:~$ ls lab5/
fileA.txt fileB.txt fileC.txt image1.jpeg image2.jpeg image3.png image4.png image5.gif trivia.txt triviaXYZ.txt vita.txt wallpaperslab5
angel922@cis106:~$ mv lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png lab5/image4.png lab5/image5.gif lab5-imgs
angel922@cis106:~$ ls lab5/
fileA.txt fileB.txt fileC.txt trivia.txt triviaXYZ.txt vita.txt wallpaperslab5
angel922@cis106:~$ mv lab5/fileA.txt lab5/fileA.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5/-docs
mv: target 'lab5/-docs' is not a directory
angel922@cis106:~$ mv lab5/fileA.txt lab5/fileA.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs
angel922@cis106:~$ mv lab5/wallpaperlab5/ Pictures/NewWallpapers
mv: cannot stat 'lab5/wallpaperlab5/': No such file or directory
angel922@cis106:~$ mv lab5/wallpaperslab5/ Pictures/NewWallpapers
angel922@cis106:~$ mv lab5 lab-5
angel922@cis106:~$
```

## Question 4

```
'Absolute Path VS Relative Path Cheat sheet.png'
lab4files.zip
'Linux Workshop Ubuntu Software installation cheat sheet.png'
material_light_cursors
material_light_cursors.tar.gz
pexels-photo-1083822.webp
pexels-photo-2246476.jpeg
pexels-photo-325185.webp
'Sith Empire - Red'
'Sith Empire - Red.tar.xz'
Sweet-Dark-v40
Sweet-Dark-v40.tar.xz
Tela-black
Tela-black.tar.xz
'The LS command Cheat Sheet.png'
updateubuntu.png
angel922@cis106:~$ cp Downloads/pexels-photo-1083822.webp Downloads/pexels-photo-
-2246476.jpeg Downloads/pexels-photo-325185.webp Pictures/NewWallpapers/
angel922@cis106:~$ mkdir Downloads/computers
```

```
angel922@cis106:~$ mkdir Downloads/computers
angel922@cis106:~$ ls
cis106 Desktop Documents Downloads lab4files Lab-S lab5-audio lab5-docs lab5-imgs lab5-video Music Pictures Public snap Templates Videos
angel922@cis106:~$ ls Downloads/
'Absolute Path VS Relative Path Cheat sheet.png' computers material_light_cursors.tar.gz 'Sith Empire - Red' Tela-black
con1.webp lab4files.zip pexels-photo-1083822.webp pexels-photo-2246476.jpeg 'Sith Empire - Red.tar.xz' Tela-black.tar.xz
con2.webp material_light_cursors pexels-photo-325185.webp Sweet-Dark-v40 Sweet-Dark-v40.tar.xz updateubuntu.png
con3.webp
angel922@cis106:~$ mv Downloads/con1.webp Downloads/con2.webp Downloads/con3.webp Downloads/computers/
angel922@cis106:~$ ls Downloads/
'Absolute Path VS Relative Path Cheat sheet.png' computers material_light_cursors pexels-photo-325185.webp Sweet-Dark-v40.tar.xz updateubuntu.png
computers material_light_cursors.tar.gz pexels-photo-1083822.webp 'Sith Empire - Red' Tela-black
lab4files.zip pexels-photo-2246476.jpeg 'Sith Empire - Red.tar.xz' Tela-black.tar.xz
'Linux Workshop Ubuntu Software installation cheat sheet.png' pexels-photo-1083822.webp Sweet-Dark-v40 'The LS command Cheat Sheet.png'
```

```
angel922@cis106:~$ cp -r Downloads/computers/ Pictures/
angel922@cis106:~$ rm -r Downloads/computers/
angel922@cis106:~$ ls Downloads/
'Absolute Path VS Relative Path Cheat sheet.png' material_light_cursors pexels-photo-2246476.jpeg 'Sith Empire - Red.tar.xz' Tela-black updateubuntu.png
lab4files.zip material_light_cursors.tar.gz pexels-photo-325185.webp Sweet-Dark-v40 Tela-black.tar.xz
'Linux Workshop Ubuntu Software installation cheat sheet.png' pexels-photo-1083822.webp 'Sith Empire - Red' Sweet-Dark-v40.tar.xz 'The LS command Cheat Sheet.png'
```