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Lab Managing files and directories

Question 1

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

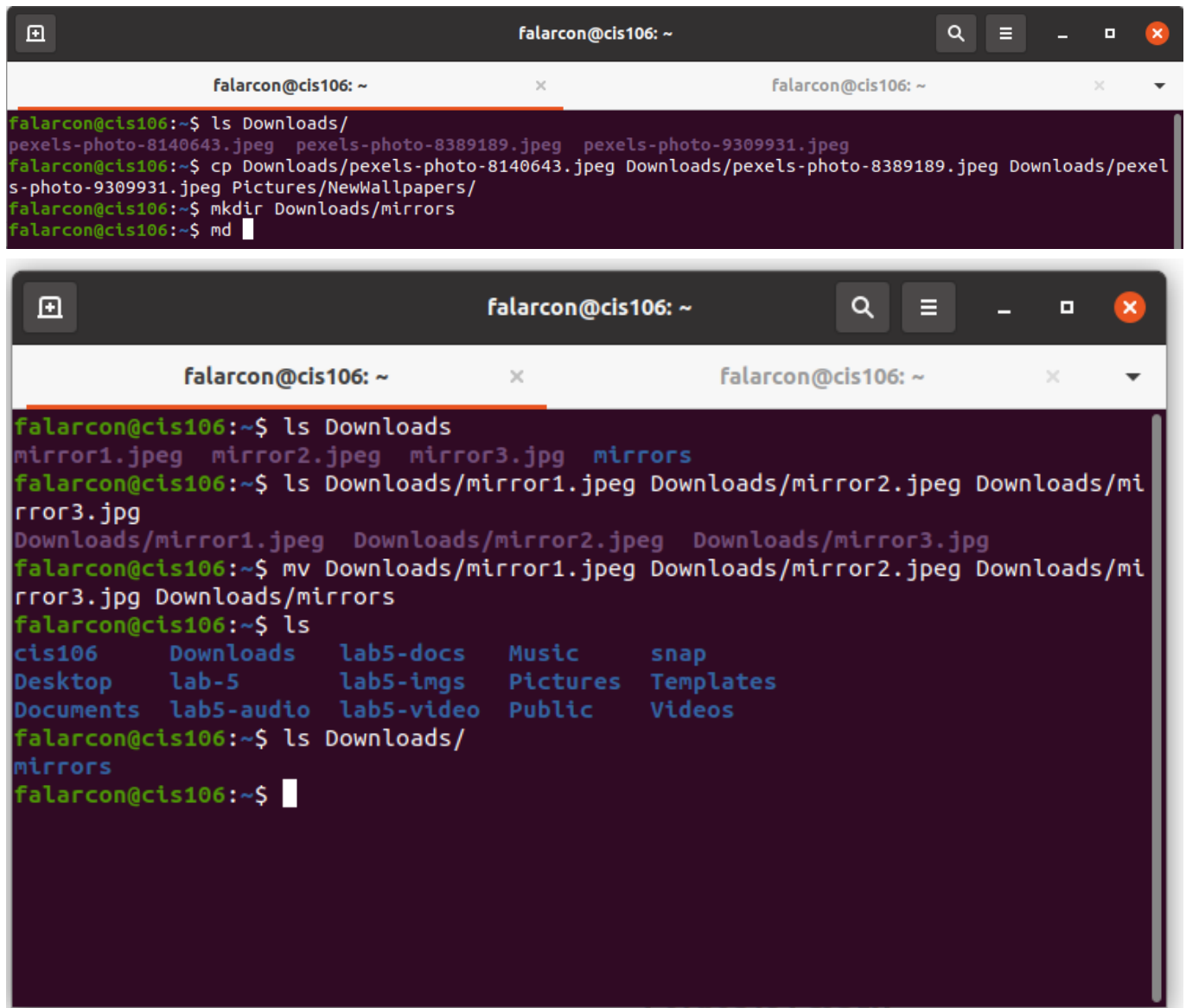
Question 2

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

Question 3

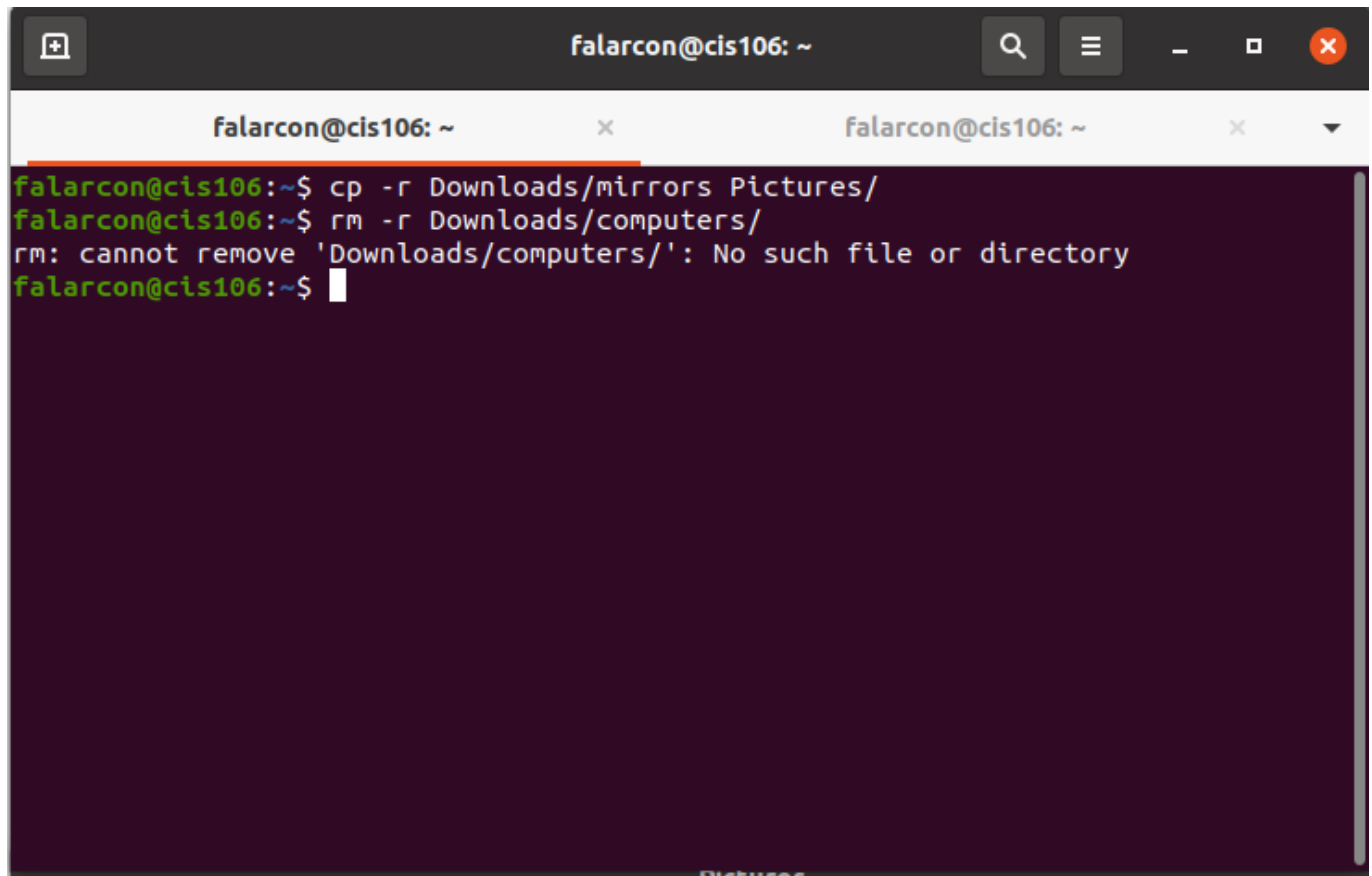
```
falarcon@cis106: ~
falarcon@cis106:~$ ls lab5/
another.mp4  fileB.txt  image4.png  song.mp3  vita.txt
audio.mp3    image1.jpeg  image5.gif  trivia.txt  wallpaperslab5
filea.txt    image2.jpeg  Pexels.mp4  triviaXYZ.txt
fileA.txt    image3.png  Silence.mp3  Videoleaf.mp4
falarcon@cis106:~$ mkdir lab5-imgs lab5-audio lab5-video lab5-docs
falarcon@cis106:~$ mv lab5/audio.mp3 lb5/song.mp3 lab5/Silence.mp3 lab5-audio/
mv: cannot stat 'lb5/song.mp3': No such file or directory
falarcon@cis106:~$ mv lab5/song.mp3 lab5-audio/
falarcon@cis106:~$ mv lab5/wallpaperslab5 lab5/image5.gif lab5/image1.jpeg lab5/image
2.jpeg lab5/image3.png lab5/image4.png
mv: target 'lab5/image4.png' is not a directory
falarcon@cis106:~$ mv lab5/wallpaperslab5 lab5/image5.gif lab5/image1.jpeg lab5/image
2.jpeg lab5/image3.png lab5/image4.png lab5-imgs/
falarcon@cis106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab5/trivia.txt la
b5/triviaXYZ.txt lab5/vita.txt lab5-docs/
falarcon@cis106:~$ mv lab5/another.mp4 lab5/Pexels.mp4 lab5/Videoleaf.mp4 lab5-video/
falarcon@cis106:~$ mv lab5/wallpaperslab5/ Pictures/NewWallpapers
mv: cannot stat 'lab5/wallpaperslab5/': No such file or directory
falarcon@cis106:~$ mv lab5/imgs/wallpaperslab5/ Pictures/NewWallpapers
mv: cannot stat 'lab5/imgs/wallpaperslab5/': No such file or directory
falarcon@cis106:~$ mv lab5/ lab-5
falarcon@cis106:~$
```

Question 4



The image displays two terminal windows from a user named 'falarcon' on a machine named 'cis106'. The first window shows the user listing files in the 'Downloads' directory, copying three specific JPEG files to the 'Pictures/NewWallpapers/' directory, creating a new directory 'Downloads/mirrors', and then moving the copied files into it. The second window shows the user listing the contents of the 'Downloads' directory, which now includes the 'mirrors' subdirectory. The user then lists the contents of the 'Downloads/mirrors' directory, showing the three JPEG files. Finally, the user lists the root directory, showing a grid of system folders including 'Downloads', 'lab5-docs', 'Music', 'snap', 'Desktop', 'lab-5', 'lab5-imgs', 'Pictures', 'Templates', 'Documents', 'lab5-audio', 'lab5-video', 'Public', and 'Videos'. The terminal output is as follows:

```
falarcon@cis106: ~  
falarcon@cis106:~$ ls Downloads/  
pexels-photo-8140643.jpeg  pexels-photo-8389189.jpeg  pexels-photo-9309931.jpeg  
falarcon@cis106:~$ cp Downloads/pexels-photo-8140643.jpeg Downloads/pexels-photo-8389189.jpeg Downloads/pexels-photo-9309931.jpeg Pictures/NewWallpapers/  
falarcon@cis106:~$ mkdir Downloads/mirrors  
falarcon@cis106:~$ mv Downloads/pexels-photo-8140643.jpeg Downloads/pexels-photo-8389189.jpeg Downloads/pexels-photo-9309931.jpeg Downloads/mirrors/  
falarcon@cis106:~$ ls Downloads  
mirror1.jpeg  mirror2.jpeg  mirror3.jpg  mirrors  
falarcon@cis106:~$ ls Downloads/mirror1.jpeg Downloads/mirror2.jpeg Downloads/mirror3.jpg  
Downloads/mirror1.jpeg  Downloads/mirror2.jpeg  Downloads/mirror3.jpg  
falarcon@cis106:~$ mv Downloads/mirror1.jpeg Downloads/mirror2.jpeg Downloads/mirror3.jpg Downloads/mirrors  
falarcon@cis106:~$ ls  
cis106  Downloads  lab5-docs  Music  snap  
Desktop  lab-5  lab5-imgs  Pictures  Templates  
Documents  lab5-audio  lab5-video  Public  Videos  
falarcon@cis106:~$ ls Downloads/  
mirrors  
falarcon@cis106:~$
```

A terminal window titled 'falarcon@cis106: ~' with standard window controls. It contains two tabs, both with the same title. The active tab shows a series of commands and their outputs. The first command is a recursive copy, and the second is a recursive removal that fails due to a missing directory. The terminal has a dark purple background and green text for prompts.

```
falarcon@cis106:~$ cp -r Downloads/mirrors Pictures/  
falarcon@cis106:~$ rm -r Downloads/computers/  
rm: cannot remove 'Downloads/computers/': No such file or directory  
falarcon@cis106:~$
```