
name: Wael Homsy course: CIS106 semester: Fall 2023

Lab 5: Managing Files and Directories

Question 1

```

whomsi@whomsi-virtual-machine:~$ mkdir Lab5
whomsi@whomsi-virtual-machine:~$ cd lab
bash: cd: lab: No such file or directory
whomsi@whomsi-virtual-machine:~$ cd Lab5/
whomsi@whomsi-virtual-machine:~/Lab5$ mkdir pets docs songs
whomsi@whomsi-virtual-machine:~/Lab5$ mkdir pets/old pets/new
whomsi@whomsi-virtual-machine:~/Lab5$ mkdir pets/old pets/new docs/old docs/new songs/old songs/new
mkdir: cannot create directory 'pets/old': File exists
mkdir: cannot create directory 'pets/new': File exists
whomsi@whomsi-virtual-machine:~/Lab5$ tree .
.
├── docs
│   ├── new
│   └── old
├── pets
│   ├── new
│   └── old
└── songs
    ├── new
    └── old

9 directories, 0 files
whomsi@whomsi-virtual-machine:~/Lab5$ touch pets/old/file1 pets/old/file2 pets/old/file3
whomsi@whomsi-virtual-machine:~/Lab5$ touch pets/new/file1 pets/new/file2 pets/new/file3
whomsi@whomsi-virtual-machine:~/Lab5$ touch docs/old/file1 docs/old/file2 docs/old/file3
whomsi@whomsi-virtual-machine:~/Lab5$ touch docs/new/file1 docs/new/file2 docs/new/file3
whomsi@whomsi-virtual-machine:~/Lab5$ touch songs/old/file1 songs/old/file2 songs/old/file3
whomsi@whomsi-virtual-machine:~/Lab5$ touch songs/new/file1 songs/new/file2 songs/new/file3

```

```

whomsi@whomsi-virtual-machine:~/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
whomsi@whomsi-virtual-machine:~/Lab5$

```

Question 2

```
whomsi@whomsi-virtual-machine:~$ cd /srv/
whomsi@whomsi-virtual-machine:/srv$ rm ~/lab5/pets/new/file1
rm: cannot remove '/home/whomsi/lab5/pets/new/file1': No such file or directory
whomsi@whomsi-virtual-machine:/srv$ rm ~/Lab5/pets/new/file1
whomsi@whomsi-virtual-machine:/srv$ rm ~/Lab5/pets/new/file2
whomsi@whomsi-virtual-machine:/srv$ rm ~/Lab5/pets/new/file3
whomsi@whomsi-virtual-machine:/srv$ rm ~/lab5/pets
rm: cannot remove '~/lab5/pets': No such file or directory
whomsi@whomsi-virtual-machine:/srv$ rm ~/lab5/pets
rm: cannot remove '/home/whomsi/lab5/pets': No such file or directory
whomsi@whomsi-virtual-machine:/srv$ rm -r ~/lab5/pets
rm: cannot remove '/home/whomsi/lab5/pets': No such file or directory
whomsi@whomsi-virtual-machine:/srv$ rm -r ~/Lab5/pets
whomsi@whomsi-virtual-machine:/srv$ rm -r ~/Lab5/docs
whomsi@whomsi-virtual-machine:/srv$ rm -r ~/Lab5/songs
whomsi@whomsi-virtual-machine:/srv$ rm -r ~/Lab5
whomsi@whomsi-virtual-machine:/srv$
```

Question 3

```
whomsi@whomsi-virtual-machine:~$ mkdir lab5-imgs lab5-audio lab5-video lab5-docs
whomsi@whomsi-virtual-machine:~$ mv lab5/image5.gif lab5/image1.jpeg lab5/image2.jpeg
lab5-imgs/
whomsi@whomsi-virtual-machine:~$ mv lab5/audio.mp3 lab5/Silence.mp3 lab5/song.mp3 lab6
-audio/
mv: target 'lab6-audio/' is not a directory
whomsi@whomsi-virtual-machine:~$ mv lab5/audio.mp3 lab5/Silence.mp3 lab5/song.mp3 lab5
-audio/
whomsi@whomsi-virtual-machine:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab5-
docs/
whomsi@whomsi-virtual-machine:~$ mv lab5/trivia.txt lab5/triviaXYZ.txt lab5-docs/
whomsi@whomsi-virtual-machine:~$ mv lab5/Vita.txt lab5-docs/
mv: cannot stat 'lab5/Vita.txt': No such file or directory
whomsi@whomsi-virtual-machine:~$ mv lab5/vita.txt lab5-docs/
whomsi@whomsi-virtual-machine:~$ mv lab5/another.mp4 lab5/Pexels.mp4 lab5/Videoleaf.mp
4 lab5-video/
whomsi@whomsi-virtual-machine:~$ mv lab5/image3.png lab5/image4.png lab5/wallpaperslab
5 lab5-imgs/
whomsi@whomsi-virtual-machine:~$ ls -x1 lab5
whomsi@whomsi-virtual-machine:~$ mv lab5-imgs/wallpaperslab5 pictures/NewWallpapers
mv: cannot move 'lab5-imgs/wallpaperslab5' to 'pictures/NewWallpapers': No such file o
r directory
whomsi@whomsi-virtual-machine:~$ mv lab5-imgs/wallpaperslab5 pictures/NewWallpapers
mv: cannot move 'lab5-imgs/wallpaperslab5' to 'pictures/NewWallpapers': No such file o
r directory
whomsi@whomsi-virtual-machine:~$ mv lab5/wallpaperslab5 pictures/NewWallpapers
mv: cannot stat 'lab5/wallpaperslab5': No such file or directory
whomsi@whomsi-virtual-machine:~$ mv lab5-imgs/wallpaperslab5 lab5/
whomsi@whomsi-virtual-machine:~$ mv lab5/wallpaperslab5 pictures/NewWallpapers
mv: cannot move 'lab5/wallpaperslab5' to 'pictures/NewWallpapers': No such file or dir
ectory
whomsi@whomsi-virtual-machine:~$ mv lab5/wallpaperslab5 pictures/NewWallpapers
mv: cannot move 'lab5/wallpaperslab5' to 'pictures/NewWallpapers': No such file or dir
ectory
whomsi@whomsi-virtual-machine:~$ mv lab5/wallpaperslab5 Pictures/NewWallpapers
whomsi@whomsi-virtual-machine:~$ mv lab5/ lab -5/
mv: invalid option -- '5'
Try 'mv --help' for more information.
whomsi@whomsi-virtual-machine:~$ mv lab5/ lab-5/
whomsi@whomsi-virtual-machine:~$
```

Question 4

```
whomsi@whomsi-virtual-machine:~$ mv Downloads/pexels-anthony-duarte-18818897.jpg Downl
oads/pexels-anthony-duarte-18818776.jpg Downloads/pexels-anthony-duarte-18818861.jpg P
ictures/NewWallpapers/
whomsi@whomsi-virtual-machine:~$ mkdir new_dir
whomsi@whomsi-virtual-machine:~$ rm new_dir
rm: cannot remove 'new_dir': Is a directory
whomsi@whomsi-virtual-machine:~$ rm -r new_dir
whomsi@whomsi-virtual-machine:~$ mkdir Downloads/new_dir
whomsi@whomsi-virtual-machine:~$ mv Downloads/pexels-alex-urezkov-16659538.jpg Downloa
ds/pexels-alex-urezkov-16659539.jpg Downloads/pexels-evgeni-adutskevich-17205549.jpg D
ownloads/new_dir
whomsi@whomsi-virtual-machine:~$ cp Downloads/new_dir/ Pictures
cp: -r not specified; omitting directory 'Downloads/new_dir/'
whomsi@whomsi-virtual-machine:~$ cp -r Downloads/new_dir/ Pictures
whomsi@whomsi-virtual-machine:~$ rm -r Downloads/new_dir
whomsi@whomsi-virtual-machine:~$
```


Question 5

```
whomsi@whomsi-virtual-machine:~$ mkdir lab5ChallengeQuestion
whomsi@whomsi-virtual-machine:~$ mkdir lab5ChallengeQuestion/assets
whomsi@whomsi-virtual-machine:~$ mv Downloads/pexels-albin-berlin-905554.jpg Downloads
/newPicture.png
whomsi@whomsi-virtual-machine:~$ mv Downloads/pexels-albin-berlin-905554.jpg lab5Chall
engeQuestion/assets/newPicture.png
whomsi@whomsi-virtual-machine:~$ mkdir lab5ChallengeQuestion/site.html
whomsi@whomsi-virtual-machine:~$ rm ~/site.html
rm: cannot remove '/home/whomsi/site.html': No such file or directory
whomsi@whomsi-virtual-machine:~$ rm lab5ChallengeQuestion/site.html
rm: cannot remove 'lab5ChallengeQuestion/site.html': No such file or directory
whomsi@whomsi-virtual-machine:~$ rm lab5ChallengeQuestion/site.html
rm: cannot remove 'lab5ChallengeQuestion/site.html': Is a directory
whomsi@whomsi-virtual-machine:~$ rm -r lab5ChallengeQuestion/site.html
whomsi@whomsi-virtual-machine:~$ touch lab5ChallengeQuestion/site.html
whomsi@whomsi-virtual-machine:~$
```

Challenge Question Lab 5

