

# Lab 5

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## Question 1

```

jrodriguez4@cis106-VirtualBox: ~/lab5

jrodriguez4@cis106-VirtualBox:~$ cd
jrodriguez4@cis106-VirtualBox:~$ mkdir lab5
jrodriguez4@cis106-VirtualBox:~$ cd lab5
jrodriguez4@cis106-VirtualBox:~/lab5$ mkdir pets docs songs
jrodriguez4@cis106-VirtualBox:~/lab5$ mkdir pets/old pets/new docs/old docs/new songs/old songs/new
jrodriguez4@cis106-VirtualBox:~/lab5$ tree.
command 'tree.' not found, did you mean:
  command 'tree' from snap tree (1.8.0+pkg-3fd6)
  command 'tree' from deb tree (2.0.2-1)
see 'snap info <snapname>' for additional versions.
jrodriguez4@cis106-VirtualBox:~/lab5$ tree .
.
├── docs
│   ├── new
│   └── old
├── pets
│   ├── new
│   └── old
└── songs
    ├── new
    └── old

0 directories, 0 files
jrodriguez4@cis106-VirtualBox:~/lab5$ touch pets/old file1 file2 file 3 pets/new file1 file2 file3
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets
new old
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
jrodriguez4@cis106-VirtualBox:~/lab5$ cd pets/new
jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ ls
jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ tree

0 directories, 0 files
jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ ls pets/old
ls: cannot access 'pets/old': No such file or directory
jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ cd
jrodriguez4@cis106-VirtualBox:~$ cd lab5
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
jrodriguez4@cis106-VirtualBox:~/lab5$ touch pets/new/file1
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
file1
jrodriguez4@cis106-VirtualBox:~/lab5$ touch pets/new/file1 file 2 file 3
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
file1
jrodriguez4@cis106-VirtualBox:~/lab5$ cd pets/new

```

```

jrodriguez4@cis106-VirtualBox: ~/lab5

jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ cd
jrodriguez4@cis106-VirtualBox:~$ cd lab5
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
jrodriguez4@cis106-VirtualBox:~/lab5$ touch pets/new/file1
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
file1
jrodriguez4@cis106-VirtualBox:~/lab5$ touch pets/new/file1 file 2 file 3
jrodriguez4@cis106-VirtualBox:~/lab5$ ls pets/new
file1
jrodriguez4@cis106-VirtualBox:~/lab5$ cd pets/new
jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ touch file2 file3
jrodriguez4@cis106-VirtualBox:~/lab5/pets/new$ cd ../
jrodriguez4@cis106-VirtualBox:~/lab5/pets$ cd old
jrodriguez4@cis106-VirtualBox:~/lab5/pets/old$ touch file1 file2 file3
jrodriguez4@cis106-VirtualBox:~/lab5/pets/old$ ls
file1 file2 file3
jrodriguez4@cis106-VirtualBox:~/lab5/pets/old$ cd lab5
bash: cd: lab5: No such file or directory
jrodriguez4@cis106-VirtualBox:~/lab5/pets/old$ cd ../
jrodriguez4@cis106-VirtualBox:~/lab5/pets$ cd ../
jrodriguez4@cis106-VirtualBox:~/lab5$ cd docs
jrodriguez4@cis106-VirtualBox:~/lab5/docs$ touch old/file1 old/file2 old/file3 new/file1 new/file2 new/file3
jrodriguez4@cis106-VirtualBox:~/lab5/docs$ ls new
file1 file2 file3
jrodriguez4@cis106-VirtualBox:~/lab5/docs$ ls old
file1 file2 file3
jrodriguez4@cis106-VirtualBox:~/lab5/docs$ cd ../
jrodriguez4@cis106-VirtualBox:~/lab5$ cd songs

```

```

rodriguez4@cis106-VirtualBox: ~/lab5$ cd songs
rodriguez4@cis106-VirtualBox: ~/lab5/songs$ new/file1 new/file2 new/file3 old/file1 old/file2 old/file3
bash: new/file1: No such file or directory
rodriguez4@cis106-VirtualBox: ~/lab5/songs$ ls
new old
rodriguez4@cis106-VirtualBox: ~/lab5/songs$ touch new/file1 new/file2 new/file3 old/file1 old/file2 old/f
le3
rodriguez4@cis106-VirtualBox: ~/lab5/songs$ ls new
file1 file2 file3
rodriguez4@cis106-VirtualBox: ~/lab5/songs$ ls old
file1 file2 file3
rodriguez4@cis106-VirtualBox: ~/lab5/songs$ cd ../
rodriguez4@cis106-VirtualBox: ~/lab5$ tree .
.
├── docs
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── file
├── file1
├── file2
├── file3
├── pets
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── songs
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── directories, 24 files
rodriguez4@cis106-VirtualBox: ~/lab5$ ~

```

## Question 2

```

jrodriguez4@cis106-VirtualBox: /srv

jrodriguez4@cis106-VirtualBox:~/lab5$ cd /srv/
jrodriguez4@cis106-VirtualBox:/srv$ rm ~/lab5/pets/new/file1
jrodriguez4@cis106-VirtualBox:/srv$ rm ~/lab5/pets/new/file2
jrodriguez4@cis106-VirtualBox:/srv$ rm ~/lab5/pets/new/file3
jrodriguez4@cis106-VirtualBox:/srv$ ls ~/lab5/pets/new
jrodriguez4@cis106-VirtualBox:/srv$ rm ~/lab5/pets
rm: cannot remove '/home/jrodriguez4/lab5/pets': Is a directory
jrodriguez4@cis106-VirtualBox:/srv$ rm ~/lab5/pets/
rm: cannot remove '/home/jrodriguez4/lab5/pets/': Is a directory
jrodriguez4@cis106-VirtualBox:/srv$ rm -r ~/lab5/pets/
jrodriguez4@cis106-VirtualBox:/srv$ ls ~/lab5
2 3 docs file file1 file2 file3 songs
jrodriguez4@cis106-VirtualBox:/srv$ rm -r ~/lab5/docs
jrodriguez4@cis106-VirtualBox:/srv$ rm -r ~/lab5/songs
jrodriguez4@cis106-VirtualBox:/srv$ ls ~/lab5
2 3 file file1 file2 file3
jrodriguez4@cis106-VirtualBox:/srv$ rm -r ~/lab5
jrodriguez4@cis106-VirtualBox:/srv$ ls ~
Breed      Documents      lab4files      Pictures      practicels      snap      website
cis106     Downloads      lab4files.zip  pizza.txt     practicels.tar.xz Templates
Desktop    githubcommands.txt Music          pp_pizza.txt  Public          Videos
jrodriguez4@cis106-VirtualBox:/srv$

```

### Question 3

```

Archives: 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
jrodriguez4@cis106-VirtualBox: $ mkdir lab5-imgs lab5-audio lab5-video lab5-docs
jrodriguez4@cis106-VirtualBox: $ mv lab5/image5.gif lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png lab5/image4.png lab5-imgs/
jrodriguez4@cis106-VirtualBox: $ ls lab5-imgs
image1.jpeg image2.jpeg image3.png image4.png image5.gif
jrodriguez4@cis106-VirtualBox: $ mv lab5/audio.mp3 lab5/Silence.mp3 lab5/song.mp3 lab5-audio
jrodriguez4@cis106-VirtualBox: $ mv lab5/another.mp4 lab5/Pexels.mp4 lab5/Videoleaf.mp4 lab5-video
jrodriguez4@cis106-VirtualBox: $ ls lab5-video
another.mp4 Pexels.mp4 Videoleaf.mp4
jrodriguez4@cis106-VirtualBox: $ mv lab5/fileA.txt lab5/fileA.txt lab5/fileB.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs
jrodriguez4@cis106-VirtualBox: $ ls lab5-docs
fileA.txt fileA.txt fileB.txt fileB.txt fileA.txt fileA.txt fileB.txt fileB.txt trivia.txt triviaXYZ.txt vita.txt
jrodriguez4@cis106-VirtualBox: $ mv lab5/wallpaperslab5/Pictures
v: cannot move 'lab5/wallpaperslab5/' to '/Pictures': Permission denied
jrodriguez4@cis106-VirtualBox: $ mv lab5/wallpaperslab5/Pictures/NewWallpapers
jrodriguez4@cis106-VirtualBox: $ mv lab5/Lab-5/
jrodriguez4@cis106-VirtualBox: $

```

### Question 4



```

jrodriguez4@cis106-VirtualBox: ~
jrodriguez4@cis106-VirtualBox:~/Downloads$ ls
code_1.82.2-1694671812_amd64.deb          One.jpeg
free-photo-of-white-flowers-in-nature.jpeg one.txt
Games                                     pexels-photo-18983485.webp
hiking-path-way.jpg                      practicels
lab4.md                                  practicels.tar.xz
'Linux Workshop Ubuntu Software installation cheat sheet.png' Three.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(1).png' three.txt
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(2).png' Two.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png' two.txt
jrodriguez4@cis106-VirtualBox:~/Downloads$
jrodriguez4@cis106-VirtualBox:~/Downloads$ ../
bash: ../: Is a directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cd ../
jrodriguez4@cis106-VirtualBox:~$ mv Downloads/free-photo-of-white-flowers-in-nature.jpeg Pictures/NewWallpapers/
jrodriguez4@cis106-VirtualBox:~$ mv Downloads/pexels-photo-18983485.webp Pictures/NewWallpapers/
jrodriguez4@cis106-VirtualBox:~$ mv Downloads/hiking-path-way.jpg Pictures/NewWallpapers/
jrodriguez4@cis106-VirtualBox:~$ mkdir New_DIR
jrodriguez4@cis106-VirtualBox:~$ cd Downloads/
jrodriguez4@cis106-VirtualBox:~/Downloads$ mkdir NEW_DIR
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp Downloads/NEW_DIR Pictures/
cp: cannot stat 'Downloads/NEW_DIR': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp -r Downloads/NEW_DIR Pictures/
cp: cannot stat 'Downloads/NEW_DIR': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp -r Downloads/NEW_DIR Pictures/
cp: cannot stat 'Downloads/NEW_DIR': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ ls
code_1.82.2-1694671812_amd64.deb          One.jpeg
free-photo-of-blond-in-cap-and-jacket.jpeg one.txt
Games                                     practicels
lab4.md                                  practicels.tar.xz
'Linux Workshop Ubuntu Software installation cheat sheet.png' Three.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(1).png' three.txt
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(2).png' Two.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png' two.txt
NEW_DIR
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp -r Downloads/NEW_DIR/ Pictures/
cp: cannot stat 'Downloads/NEW_DIR/': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cd ~
jrodriguez4@cis106-VirtualBox:~$ cp -r Downloads/NEW_DIR/ Pictures/
jrodriguez4@cis106-VirtualBox:~$ ls Pictures/
'Console Background.jpg' Screenshot-6.png
NEW_DIR                  'Screenshot from 2023-10-11 19-28-36.png'
NewWallpapers           'Screenshot from 2023-10-11 19-28-39 - 1.png'
Screenshot-1.png        'Screenshot from 2023-10-11 19-28-39.png'
Screenshot-2.png        'Screenshot from 2023-10-11 19-28-43 - 1.png'
Screenshot-3.png        'Screenshot from 2023-10-11 19-28-43.png'
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp Downloads/NEW_DIR Pictures/
cp: cannot stat 'Downloads/NEW_DIR': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp -r Downloads/NEW_DIR Pictures/
cp: cannot stat 'Downloads/NEW_DIR': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp -r Downloads/NEW_DIR Pictures/
cp: cannot stat 'Downloads/NEW_DIR': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ ls
code_1.82.2-1694671812_amd64.deb          One.jpeg
free-photo-of-blond-in-cap-and-jacket.jpeg one.txt
Games                                     practicels
lab4.md                                  practicels.tar.xz
'Linux Workshop Ubuntu Software installation cheat sheet.png' Three.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(1).png' three.txt
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(2).png' Two.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png' two.txt
NEW_DIR
jrodriguez4@cis106-VirtualBox:~/Downloads$ cp -r Downloads/NEW_DIR/ Pictures/
cp: cannot stat 'Downloads/NEW_DIR/': No such file or directory
jrodriguez4@cis106-VirtualBox:~/Downloads$ cd ~
jrodriguez4@cis106-VirtualBox:~$ cp -r Downloads/NEW_DIR/ Pictures/
jrodriguez4@cis106-VirtualBox:~$ ls Pictures/
'Console Background.jpg' Screenshot-6.png
NEW_DIR                  'Screenshot from 2023-10-11 19-28-36.png'
NewWallpapers           'Screenshot from 2023-10-11 19-28-39 - 1.png'
Screenshot-1.png        'Screenshot from 2023-10-11 19-28-39.png'
Screenshot-2.png        'Screenshot from 2023-10-11 19-28-43 - 1.png'
Screenshot-3.png        'Screenshot from 2023-10-11 19-28-43.png'

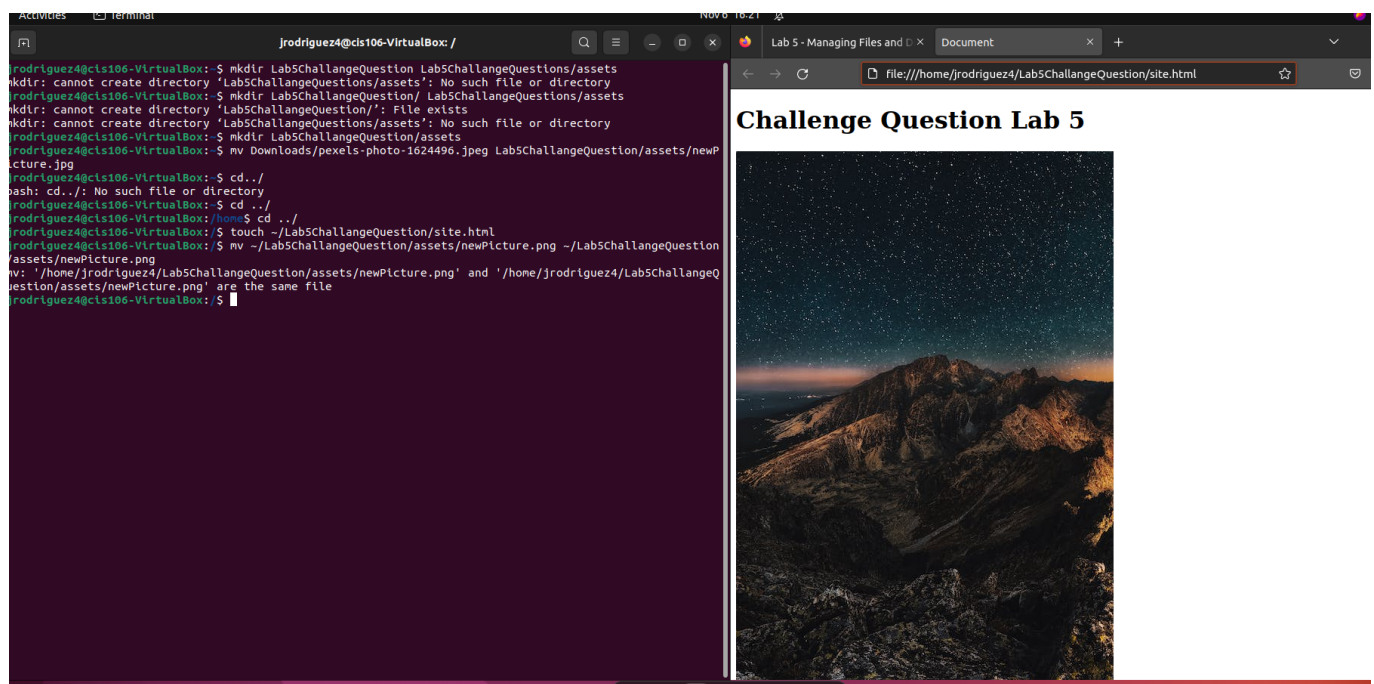
```

```

Screenshot-3.png      Screenshot FROM 2023-10-11 19-28-43.png
Screenshot-4.png      Screenshot.png
Screenshot-5.png      wallllllpaper.png
jrodriguez4@cis106-VirtualBox:~$ rm -r Do
Documents/ Downloads/
jrodriguez4@cis106-VirtualBox:~$ rm -r Downloads/NEW_DIR/
jrodriguez4@cis106-VirtualBox:~$ ls Downloads/
code_1.82.2-1694671812_amd64.deb      One.jpeg
free-photo-of-blonde-in-cap-and-jacket.jpeg  one.txt
Games                                  practicels
lab4.md                               practicels.tar.xz
'Linux Workshop Ubuntu Software installation cheat sheet.png'  Three.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(1).png'             three.txt
'MANAGING FILES AND DIRECTORIES CHEAT SHEET(2).png'             Two.jpeg
'MANAGING FILES AND DIRECTORIES CHEAT SHEET.png'               two.txt
jrodriguez4@cis106-VirtualBox:~$

```

## Question 5



The screenshot shows a terminal window on the left and a web browser on the right. The terminal window displays the following commands and output:

```

jrodriguez4@cis106-VirtualBox: /
jrodriguez4@cis106-VirtualBox:~$ mkdir Lab5ChallengeQuestion Lab5ChallengeQuestions/assets
mkdir: cannot create directory 'Lab5ChallengeQuestions/assets': No such file or directory
jrodriguez4@cis106-VirtualBox:~$ mkdir Lab5ChallengeQuestion/ Lab5ChallengeQuestions/assets
mkdir: cannot create directory 'Lab5ChallengeQuestion/': File exists
mkdir: cannot create directory 'Lab5ChallengeQuestions/assets': No such file or directory
jrodriguez4@cis106-VirtualBox:~$ mkdir Lab5ChallengeQuestion/assets
jrodriguez4@cis106-VirtualBox:~$ mv Downloads/pexels-photo-1624496.jpeg Lab5ChallengeQuestion/assets/newPicture.jpg
jrodriguez4@cis106-VirtualBox:~$ cd ../
bash: cd ../: No such file or directory
jrodriguez4@cis106-VirtualBox:~$ cd ../
jrodriguez4@cis106-VirtualBox:~$ cd ../
jrodriguez4@cis106-VirtualBox:~$ cd ../
jrodriguez4@cis106-VirtualBox:~$ touch ~/Lab5ChallengeQuestion/site.html
jrodriguez4@cis106-VirtualBox:~$ mv ~/Lab5ChallengeQuestion/assets/newPicture.png ~/Lab5ChallengeQuestion/assets/newPicture.png
mv: '/home/jrodriguez4/Lab5ChallengeQuestion/assets/newPicture.png' and '/home/jrodriguez4/Lab5ChallengeQuestion/assets/newPicture.png' are the same file
jrodriguez4@cis106-VirtualBox:~$

```

The web browser on the right shows a page titled "Challenge Question Lab 5" with a URL of `file:///home/jrodriguez4/Lab5ChallengeQuestion/site.html`. The page displays a large image of a mountain range under a starry night sky.