

Lab 5 Managing files and directories

Practice 1

1: mig@cis106desktop: ~

```
mig@cis106desktop:~$ mkdir lab5
mig@cis106desktop:~$ mkdir -p lab5/q1.1/games/action/
mig@cis106desktop:~$ mkdir -p lab5/q1.1/games/fps/
mig@cis106desktop:~$ mkdir -p lab5/q1.1/games/rpg/
mig@cis106desktop:~$ touch lab5/q1.1/games/action/action_games.txt
mig@cis106desktop:~$ touch lab5/q1.1/games/fps/fps_list.txt
mig@cis106desktop:~$ touch lab5/q1.1/games/rpg/mods.py
mig@cis106desktop:~$ tree lab5/
lab5/
├── q1.1
│   └── games
│       ├── action
│       │   └── action_games.txt
│       ├── fps
│       │   └── fps_list.txt
│       └── rpg
│           └── mods.py
6 directories, 3 files
mig@cis106desktop:~$ ls -R lab5/
lab5/:
q1.1

lab5/q1.1:
games

lab5/q1.1/games:
action  fps  rpg

lab5/q1.1/games/action:
action_games.txt

lab5/q1.1/games/fps:
fps_list.txt

lab5/q1.1/games/rpg:
mods.py
mig@cis106desktop:~$
```

2: mig@cis106desktop: ~

```
mig@cis106desktop:~$ mkdir -p ~/lab5/q1.2/hmw
mig@cis106desktop:~$ mkdir -p ~/lab5/q1.2/notes
mig@cis106desktop:~$ touch -p ~/lab5/q1.2/hmw/linux.txt

touch: invalid option -- 'p'
Try 'touch --help' for more information.
mig@cis106desktop:~$ touch ~/lab5/q1.2/hmw/linux.txt

mig@cis106desktop:~$ touch ~/lab5/q1.2/notes/math.pdf
mig@cis106desktop:~$ tree ~/lab5/
/home/miguelg/lab5/
├── q1.1
│   └── games
│       ├── action
│       │   └── action_games.txt
│       ├── fps
│       │   └── fps_list.txt
│       └── rpg
│           └── mods.py
└── q1.2
    ├── hmw
    │   ├── linux.txt
    └── notes
        └── math.pdf

9 directories, 5 files
mig@cis106desktop:~$ ls -R ~/lab5/
/home/miguelg/lab5/:
q1.1  q1.2

/home/miguelg/lab5/q1.1:
games

/home/miguelg/lab5/q1.1/games:
action  fps  rpg

/home/miguelg/lab5/q1.1/games/action:
action_games.txt

/home/miguelg/lab5/q1.1/games/fps:
fps_list.txt

/home/miguelg/lab5/q1.1/games/rpg:
mods.py

/home/miguelg/lab5/q1.2:
hmw  notes

/home/miguelg/lab5/q1.2/hmw:
linux.txt

/home/miguelg/lab5/q1.2/notes:
math.pdf
mig@cis106desktop:~$
```

Practice 2

```
1/1  +  [ ]  [ ]  T
1:  mig@cis106desktop: ~  v

mig@cis106desktop:~$ cd /srv/
mig@cis106desktop:/srv$ tree ~/lab5/
/home/mig/lab5/
├── q1.1
│   └── games
│       ├── action
│       │   └── action_games.txt
│       ├── fps
│       │   └── fps_list.txt
│       └── rpg
│           └── mods.py
└── q1.2
    ├── hmw
    │   └── linux.txt
    └── notes
        └── math.pdf

9 directories, 5 files
mig@cis106desktop:/srv$ rm ~/lab5/q1.2/hmw/linux.txt
mig@cis106desktop:/srv$ rm ~/lab5/q1.2/notes/math.pdf
mig@cis106desktop:/srv$ cd
mig@cis106desktop:~$ rm -r ~/lab5/q1.1 ~/lab5/q1.2
mig@cis106desktop:~$ ls lab5/
mig@cis106desktop:~$ █
```

Practice 3

```
1: mig@cisl06desktop: ~  
mig@cisl06desktop:~$ cd  
mig@cisl06desktop:~$ rm -r lab5/  
mig@cisl06desktop:~$ wget https://cisl06.com/assets/lab5/lab5.zip && unzip lab5.zip && rm lab5.zip  
--2024-10-30 19:41:01-- https://cisl06.com/assets/lab5/lab5.zip  
Resolving cisl06.com (cisl06.com)... 185.199.108.153  
Connecting to cisl06.com (cisl06.com)[185.199.108.153]:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 4301053 (4.1M) [application/zip]  
Saving to: 'lab5.zip'  
  
lab5.zip 100%[=====] 4.10M 7.86MB/s in 0.5s  
  
2024-10-30 19:41:02 (7.86 MB/s) - 'lab5.zip' saved [4301053/4301053]  
  
Archive: lab5.zip  
creating: lab5/  
inflating: lab5/starwars3.wav  
inflating: lab5/sonicwings2.mp4  
inflating: lab5/breakers.mp4  
inflating: lab5/chess.jpg  
inflating: lab5/book.png  
inflating: lab5/readme.odt  
inflating: lab5/project.docx  
inflating: lab5/robot.ogg  
creating: lab5/wallpaperslab5/  
inflating: lab5/wallpaperslab5/bookstore.jpg  
inflating: lab5/wallpaperslab5/courage.jpg  
inflating: lab5/wallpaperslab5/rokyo.jpg  
Command 'rm' not found, but can be installed with:  
sudo apt install trm  
mig@cisl06desktop:~$ rm lab5.zip  
mig@cisl06desktop:~$ mkdir lab5-img lab5-audio lab5-video lab5-doc  
mig@cisl06desktop:~$ ls lab5-img lab5-audio lab5-video lab5-doc  
lab5-audio:  
  
lab5-doc:  
  
lab5-img:  
  
lab5-video:  
mig@cisl06desktop:~$ ls lab5-img lab5-audio lab5-video lab5-doc  
lab5-audio:  
robot.ogg starwars3.wav  
  
lab5-doc:  
project.docx readme.odt  
  
lab5-img:  
book.png chess.jpg  
  
lab5-video:  
breakers.mp4 sonicwings2.mp4  
mig@cisl06desktop:~$ ls lab5-img lab5-audio lab5-video lab5-doc Pictures/NewWallpapers/  
lab5-audio:  
robot.ogg starwars3.wav  
  
lab5-doc:  
project.docx readme.odt  
  
lab5-img:  
book.png chess.jpg  
  
lab5-video:  
breakers.mp4 sonicwings2.mp4  
Pictures/NewWallpapers/:  
bookstore.jpg courage.jpg rokyo.jpg  
mig@cisl06desktop:~$  
  
2: mig@cisl06desktop: ~  
mig@cisl06desktop:~$ ls -lX lab5/  
wallpaperslab5  
project.docx  
chess.jpg  
breakers.mp4  
sonicwings2.mp4  
readme.odt  
robot.ogg  
book.png  
starwars3.wav  
mig@cisl06desktop:~$ ls -lX lab5/  
mig@cisl06desktop:~$ file lab5/robot.ogg  
lab5/robot.ogg: cannot open 'lab5/robot.ogg' (No such file or directory)  
mig@cisl06desktop:~$ file lab5-audio/robot.ogg  
lab5-audio/robot.ogg: Ogg data, Vorbis audio, stereo, 44100 Hz, ~160000 bps, created by: Xiph.Org libVorbis I  
mig@cisl06desktop:~$ file lab5-audio/starwars3.wav  
lab5-audio/starwars3.wav: RIFF (little-endian) data, WAVE audio, Microsoft PCM, 16 bit, mono 22050 Hz  
mig@cisl06desktop:~$ ls -lX lab5/  
mig@cisl06desktop:~$  
  
3: mig@cisl06desktop: ~  
mig@cisl06desktop:~$ mv lab5/project.docx lab5/readme.odt lab5-doc  
mig@cisl06desktop:~$ mv lab5/chess.jpg lab5/book.png lab5-img/  
mig@cisl06desktop:~$ mv lab5/breaker.mp4 lab5/sonicwings2.mp4 lab5-video/  
mv: cannot stat 'lab5/breaker.mp4': No such file or directory  
mig@cisl06desktop:~$ mv lab5/sonicwings2.mp4 lab5-video/  
mv: cannot stat 'lab5/sonicwings2.mp4': No such file or directory  
mig@cisl06desktop:~$ mv lab5/breakers.mp4 lab5/sonicwings2.mp4 lab5-video/  
mv: cannot stat 'lab5/breakers.mp4': No such file or directory  
mig@cisl06desktop:~$ mv lab5/sonicwings2.mp4': No such file or directory  
mig@cisl06desktop:~$ mv lab5/robot.ogg lab5/starwars3.wav lab5-audio/  
mig@cisl06desktop:~$ mv lab5/wallpaperslab5/ Pictures/NewWallpapers  
mig@cisl06desktop:~$ rm -r lab5 lab5-img lab5-video lab5-audio lab5-doc Pictures/NewWallpapers  
mig@cisl06desktop:~$ ls -d1 -/*/  
/home/mig/bobsburgers/  
/home/mig/cisl06/  
/home/mig/Desktop/  
/home/mig/Documents/  
/home/mig/Downloads/  
/home/mig/Lab4files/  
/home/mig/Music/  
/home/mig/Pictures/  
/home/mig/practice/  
/home/mig/practice1/  
/home/mig/Public/  
/home/mig/Scripts/  
/home/mig/snap/  
/home/mig/Templates/  
/home/mig/Videos/  
/home/mig/website/  
mig@cisl06desktop:~$
```

Practice 4

```
1: mig@cisl06desktop: ~  
mig@cisl06desktop:~$ ls ~/Downloads/  
docs pexels-eberhardgross-443446.jpg pexels-pixabay-326055.jpg pexels-pixabay-33109.jpg Project sample2.doc sample3.pdf sample3.xls schoolwork  
mig@cisl06desktop:~$ ls ~/Pictures/lab5wallpapers/  
pexels-eberhardgross-443446.jpg pexels-pixabay-326055.jpg pexels-pixabay-33109.jpg  
mig@cisl06desktop:~$ ls ~/Downloads/ ~/Pictures/  
/home/miguelg/Downloads/:  
docs pexels-eberhardgross-443446.jpg pexels-pixabay-326055.jpg pexels-pixabay-33109.jpg Project sample2.doc sample3.pdf sample3.xls schoolwork  
  
/home/miguelg/Pictures/:  
classactivity lab5wallpapers pastclassactivity  
mig@cisl06desktop:~$  
  
2: mig@cisl06desktop: ~  
mig@cisl06desktop:~$ mkdir ~/Pictures/lab5wallpapers  
mig@cisl06desktop:~$ cp ~/Downloads/pexels-eberhardgross-443446.jpg ~/Downloads/pexels-pixabay-326055.jpg ~/Downloads/pexels-pixabay-33109.jpg ~/Pictures/lab5wallpapers/  
mig@cisl06desktop:~$ cp ~/Pictures/lab5wallpapers/ ~/Downloads/  
cp: -r not specified; omitting directory '/home/miguelg/Pictures/lab5wallpapers/'  
mig@cisl06desktop:~$ cp -r ~/Pictures/lab5wallpapers/ ~/Downloads/  
mig@cisl06desktop:~$
```

Challenge Question

```
1: mlg@ctsi106desktop: ~  
mlg@ctsi106desktop:~$ cd $HOME && wget https://ctsi106.com/assets/lab5/website-lab5.zip && unzip website-lab5.zip && rm website-lab5.zip  
-2024-10-30 21:06:14- https://ctsi106.com/assets/lab5/website-lab5.zip  
Resolving ctsi106.com [ctsi106.com]... 185.199.100.153  
Connecting to ctsi106.com [ctsi106.com]:185.199.100.153... connected.  
HTTP request sent, waiting for response... 200 OK  
Length: 1326 [1.30] [application/zip]  
Saving to: 'website-lab5.zip'  
  
website-lab5.zip      100%[=====] 1.29K  ---KB/s   in 0s  
2024-10-30 21:06:14 (38.9 MB/s) - 'website-lab5.zip' saved [1326/1326]  
  
Archive: website-lab5.zip  
creating website-lab5/  
inflating: website-lab5/index.html  
mlg@ctsi106desktop:~$  
  
2: mlg@ctsi106desktop: ~  
mlg@ctsi106desktop:~$ ls ~/Downloads/  
docs                pexels-christian-heltz-285904-842711.jpg  pexels-maxfrancis-2246476.jpg  pexels-pixabay-33189.jpg  Project  sample3.pdf  schoolwork  
lab5wallpapers      pexels-eberhardgross-443466.jpg           pexels-pixabay-326055.jpg      pexels-soventrpxels-417074.jpg  sample2.doc  sample3.xls  website-lab5.zip  
mlg@ctsi106desktop:~$ mv ~/Downloads/pexels-christian-heltz-285904-842711.jpg ~/website-lab5/img1.jpg  
mlg@ctsi106desktop:~$ mv ~/Downloads/pexels-maxfrancis-2246476.jpg ~/website-lab5/img2.jpg  
mlg@ctsi106desktop:~$ mv ~/Downloads/pexels-soventrpxels-417074.jpg ~/website-lab5/img3.jpg  
mlg@ctsi106desktop:~$ ls -lX website-lab5/  
index.html  
img1.jpg  
img2.jpg  
img3.jpg  
mlg@ctsi106desktop:~$ xdg-open website/index.html  
mlg@ctsi106desktop:~$ Gtk-Message: 21:26:53.573: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.  
[GFX1-]: RenderCompositorSMGL failed mapping default framebuffer, no dt  
z  
z: command not found  
mlg@ctsi106desktop:~$ xdg-open Firefox/index.html  
glo: file:///home/mlg/Firefox/index.html: Error when getting information for file "/home/mlg/Firefox/index.html": No such file or directory  
mlg@ctsi106desktop:~$ xdg-open website/index.html  
mlg@ctsi106desktop:~$ Gtk-Message: 21:28:27.081: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.  
z  
z: command not found  
mlg@ctsi106desktop:~$ xdg-open website-lab5[GFX1-]: RenderCompositorSMGL failed mapping default framebuffer, no dt  
z  
z: command not found  
mlg@ctsi106desktop:~$ xdg-open website-lab5x/index.html  
glo: file:///home/mlg/website-lab5x/index.html: Error when getting information for file "/home/mlg/website-lab5x/index.html": No such file or directory  
mlg@ctsi106desktop:~$ xdg-open website/index.html  
mlg@ctsi106desktop:~$ Gtk-Message: 21:32:39.334: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.  
z  
z: command not found  
mlg@ctsi106desktop:~$
```

