

# Week Report 5

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## Answer to questions:

- **What are Command Options?** Commands that modify/enhance their behavior. Ex: `command -option argument`
- **What are Command Arguments?** Commands which are the items open which the command acts on. Ex: `ls -l ~/Downloads`
- **Which command is used for creating directories? Provide at least 3 examples.** The command is `mkdir`.
- example 1:
  - Create a directory: `mkdir newdir`
- example 2:
  - Create multiple directories: `mkdir faves ~/Downloads/samples ~/Documents/taxes`
- example 3:
  - Create a directory with a space in the name: `mkdir wallpapers/new\ cars`
- **What does the touch command do? Provide at least 3 examples.** The touch command updates the access and modification times of each FILE to the current time but it is also used to create files if it does not exist.
- example 1:
  - Create a file called cat: `touch cat.pdf`
- example 2:
  - Create several files: `touch program.py lol.exe octopus.gif`
- example 3:
  - Create a file with a space in its name: `touch "re4r completionist guide.html"`
- **How do you remove a file? Provide an example.** To remove a file, use the `rm` command. Example: `rm game.exe`
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** To remove a directory use the `rmdir` command. You can remove a non-empty directory ONLY using the `rm -r` command in Linux. Example: `rm -r cheatsheets`
- **Explain the mv and cp command. Provide at least 2 examples of each** The mv command moves and renames directories.
- example 1:
  - To rename a file: `mv schedule.xlsx kylet_sched.xlsx`
- example 2:
  - To move a file: `mv ~/Downloads/cheatsheet.png ~/Documents/cheatsheet.png`

The cp command copies files/directories from a source to a destination.

- example 1:
  - To copy a file: `cp ~/Downloads/games.zip ~/Games/`
- example 2:
  - To copy multiple files in a single command: `sudo cp -r home.html page1.html style.css ~/hw/`

## Practice 1

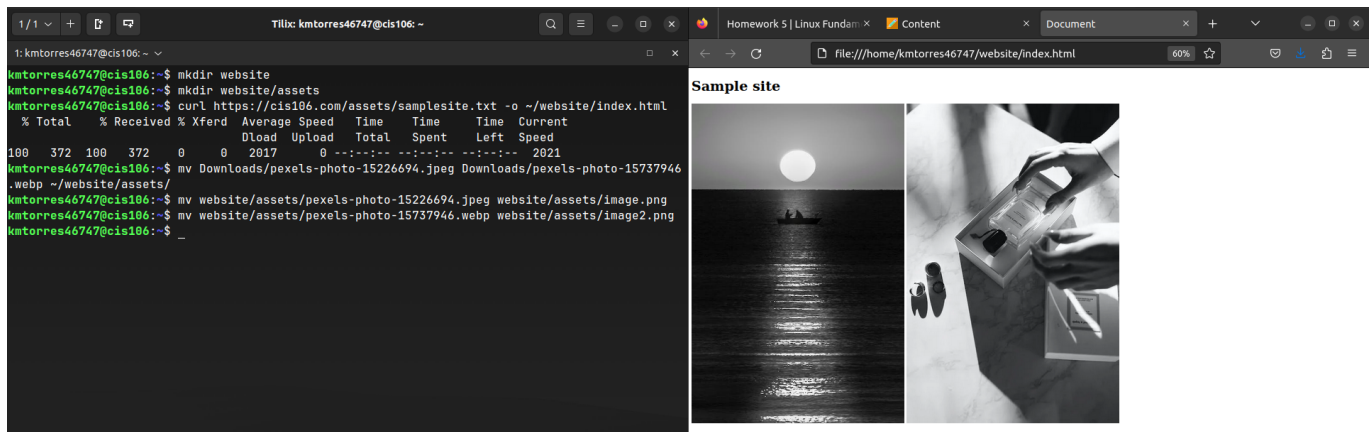
```
kmtorres46747@cis106:~$ mkdir website
kmtorres46747@cis106:~$ cd website/
kmtorres46747@cis106:~/website$ mkdir scripts assets
kmtorres46747@cis106:~/website$ touch index.html
kmtorres46747@cis106:~/website$ touch assets/image.png
kmtorres46747@cis106:~/website$ touch scripts/script.js
kmtorres46747@cis106:~/website$ tree .
.
├── assets
│   └── image.png
├── index.html
└── scripts
    └── script.js

2 directories, 3 files
kmtorres46747@cis106:~/website$ rm scripts/script.js
kmtorres46747@cis106:~/website$ rm assets/image.png
kmtorres46747@cis106:~/website$ rm -r script/ assets/
rm: cannot remove 'script/': No such file or directory
kmtorres46747@cis106:~/website$ rm -r scripts/ assets/
rm: cannot remove 'assets/': No such file or directory
kmtorres46747@cis106:~/website$ ls
index.html
kmtorres46747@cis106:~/website$ cd ../
kmtorres46747@cis106:~$ rm website/ -r
kmtorres46747@cis106:~$ _
```

## Practice 2

```
kmtorres46747@cis106:~$ cd /usr/share/
kmtorres46747@cis106:/usr/share$ mk ~/website/
mk: command not found
kmtorres46747@cis106:/usr/share$ mkdir ~/website/
kmtorres46747@cis106:/usr/share$ mkdir ~/website/assets ~/website/assets/images ~/website/assets/images/small
kmtorres46747@cis106:/usr/share$ touch ~/website/assets/images/logo.png
kmtorres46747@cis106:/usr/share$ rm ~/website/assets/images/logo.png
kmtorres46747@cis106:/usr/share$ rm -r ~/website/
kmtorres46747@cis106:/usr/share$ _
```

## Practice 3



## Practice 4

```
kmtorres46747@cis106:~$ mkdir website/docs
kmtorres46747@cis106:~$ cd Downloads/
kmtorres46747@cis106:~/Downloads$ cp sample1.doc sample1.pdf sample1.xls ~/website/docs/
kmtorres46747@cis106:~/Downloads$ tree ~/website/
/home/kmtorres46747/website/
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample1.doc
│   ├── sample1.pdf
│   └── sample1.xls
└── index.html

2 directories, 6 files
kmtorres46747@cis106:~/Downloads$ _
```