

# Week Report 5

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## What are Command Options?

Command options modify/enhance their behavior.

## What are Command Arguments?

Command arguments are the items open which the command acts on.

## Which command is used for creating directories? Provide at least 3 examples.

The command for making directories is `mkdir`. To create a directory use this formula. `mkdir + directory name`

### Examples:

- create a directory in the present working directory
- `mkdir wallpapers`
- create a directory in a different directory using relative path.
- `mkdir wallpapers/ocean`
- create a directory in a different directory using absolute path
- `mkdir ~/wallpapers/forest`

## What does the touch command do? Provide at least 3 examples.

The touch command is used for creating files. To create a file use this formula. `touch + file name`

### Examples:

- To create a file called list
- `touch list`
- To create several files
- `touch list_of_cars.txt script.py names.csv`
- To create a files with a space in its name
- `touch "list of foods.txt"`

## How do you remove a file? Provide an example.

You remove a file by the `rm` command.

### Example:

- Remove a file
- `rm list`

## How do you remove a directory and can you remove non-empty directories in Linux? Provide an example

To remove an empty directory by doing `rm -r + directory name` You can not remove a non-empty directory in linux.

### Example:

- Remove an non-empty directory
- `rm -r Downloads/games`

## Explain the mv and cp command. Provide at least 2 examples of each

The mv command is used to move and rename directories. To use the mv command to move directories use this formula `mv + source + destination` TO use the mv command to rename files/directories use this formula `mv + file/directory to rename + new name`

The cp command is used to copy files/directories from a source to a destination. To use the cp command to copy files use this formula `cp + files to copy + destination` To use the cp command to copy directories use this formula `cp -r + directory to copy + destination`

### Examples

\*To move a file from a directory to another using relative path

- `mv Downloads/homework.pdf Documents/`
- To move and rename a file in the same command
- `mv Downloads/cis106homework.docx Documents/new_cis106homework.docx`
- To copy a file
- `cp Downloads/wallpapers.zip Pictures/`
- To copy a directory with absolute path
- `cp -r ~/Downloads/wallpapers ~/Pictures/`

## Practice

- Practice 1

```
mrgutierrez@cis106vm: ~
mrgutierrez@cis106vm:~$ mkdir website
mrgutierrez@cis106vm:~$ mkdir website/script website/assets
mrgutierrez@cis106vm:~$ touch website/index.html
mrgutierrez@cis106vm:~$ touch website/assets/image.png
mrgutierrez@cis106vm:~$ touch website/script/script.js
mrgutierrez@cis106vm:~$ tree website/
website/
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

2 directories, 3 files
mrgutierrez@cis106vm:~$ rm website/script/script.js website/assets/image.png
mrgutierrez@cis106vm:~$ rm -r website/script/ website/assets/
mrgutierrez@cis106vm:~$ rm -r website/
mrgutierrez@cis106vm:~$
```

- Practice 2

```
mrgutierrez@cis106vm: /usr/share
mrgutierrez@cis106vm:~$ cd /usr/share/
mrgutierrez@cis106vm:/usr/share$ mkdir ~/website
mrgutierrez@cis106vm:/usr/share$ mkdir -p ~/website/assets/images/small
mrgutierrez@cis106vm:/usr/share$ touch ~/website/assets/images/small/logo.png
mrgutierrez@cis106vm:/usr/share$ rm ~/website/assets/images/small/logo.png
mrgutierrez@cis106vm:/usr/share$ rm -r ~/website/
mrgutierrez@cis106vm:/usr/share$
```

- practice 3

```
mrgutierrez@cis106vm: ~
mrgutierrez@cis106vm:~$ mkdir website
mrgutierrez@cis106vm:~$ mkdir -p website/assets
mrgutierrez@cis106vm:~$ curl https://cis106.com/assets/samplesite.txt -o ~/website/index.html
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  372  100  372    0     0    2395      0 --:--:-- --:--:-- --:--:-- 2415
mrgutierrez@cis106vm:~$ mv Downloads/pexels-photo-13834131.jpeg website/assets/
mrgutierrez@cis106vm:~$ mv Downloads/pexels-photo-13979174.jpeg website/assets/
mrgutierrez@cis106vm:~$ mv website/assets/pexels-photo-13834131.jpeg website/assets/image.png
mrgutierrez@cis106vm:~$ mv website/assets/pexels-photo-13979174.jpeg website/assets/image2.png
mrgutierrez@cis106vm:~$
```

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file:///home/mrgutierrez/website/index.html

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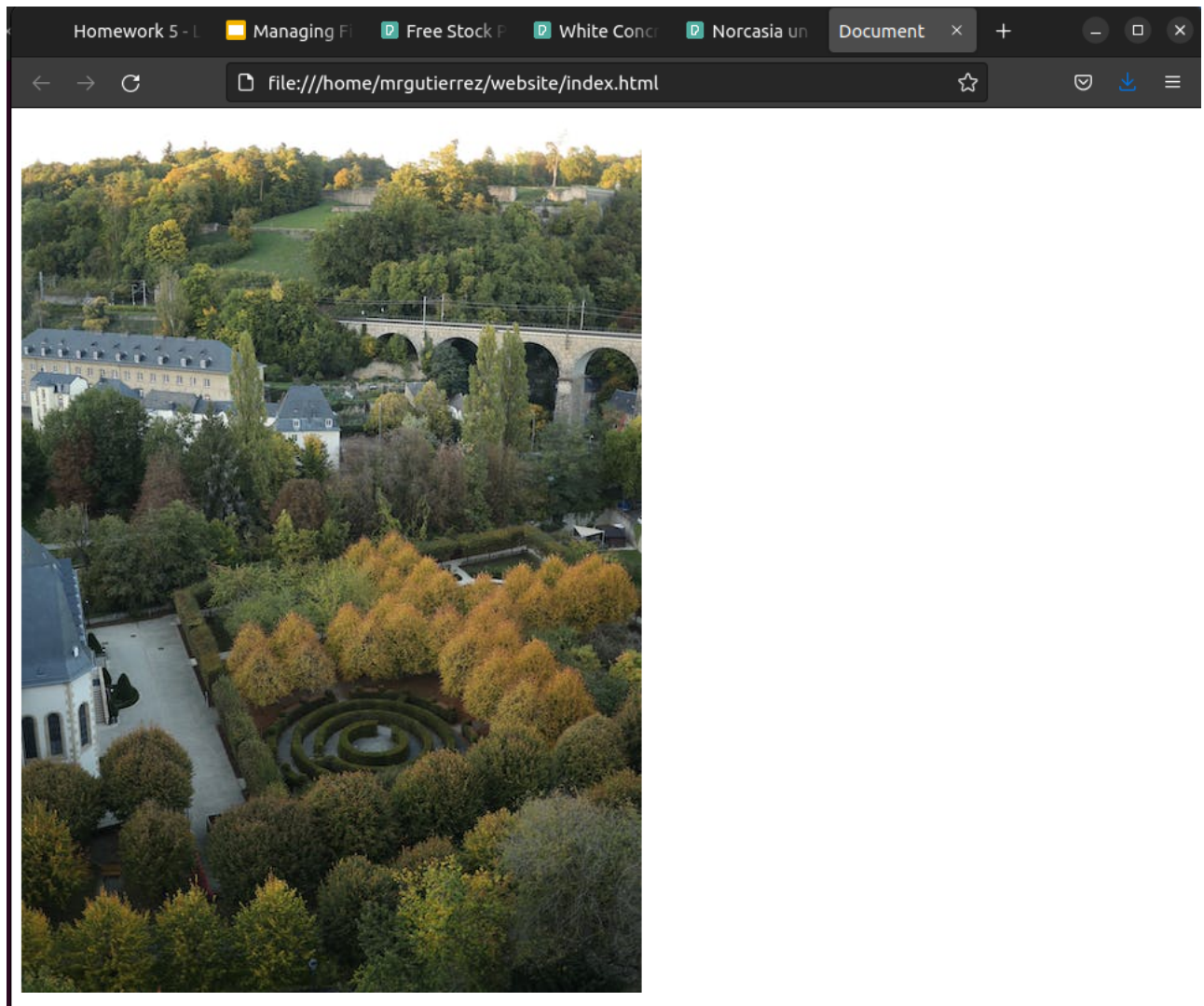
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# Sample site





- Practice 4

```
mrgutierrez@cisi06vm: ~  
mrgutierrez@cisi06vm:~$ mkdir website  
mrgutierrez@cisi06vm:~$ mkdir website/docs  
mrgutierrez@cisi06vm:~$ cp Downloads/sample1.doc website/docs/  
mrgutierrez@cisi06vm:~$ cp Downloads/sample1.pdf website/docs/  
mrgutierrez@cisi06vm:~$ cp Downloads/sample1.xls website/docs/  
mrgutierrez@cisi06vm:~$ tree website/  
website/  
├── docs  
│   ├── sample1.doc  
│   ├── sample1.pdf  
│   └── sample1.xls  
  
1 directory, 3 files  
mrgutierrez@cisi06vm:~$
```