

# Week Report 5

---

## What are Command Options?

Commands are often followed by options that modify/enhance their behavior.

## What are Command Arguments?

Commands are also followed by arguments which are the items open which the command acts on.

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

The command for creating directories is `mkdir`. You would simply type: `mkdir (name of directory)`

Examples: `mkdir gameclips`, `mkdir mods`, `mkdir edited-photos`

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

The touch command is used to create files. Simply type `touch (file)` Examples: `touch list`, `touch ~/Downloads/games.txt`, `touch file.md`

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

To remove a file type `rm + file name` Example: `rm ~/Downloads/games.txt`

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

You can remove directories in two ways. One way is by using the `rm` command with the `-r` option and the other way is to remove it by using the `rmdir` command. Keep in mind with Linux you cannot remove non empty directories unless you use the `rm -r (path)` command. Example: `rm -r GameClips/`, `rmdir Files`

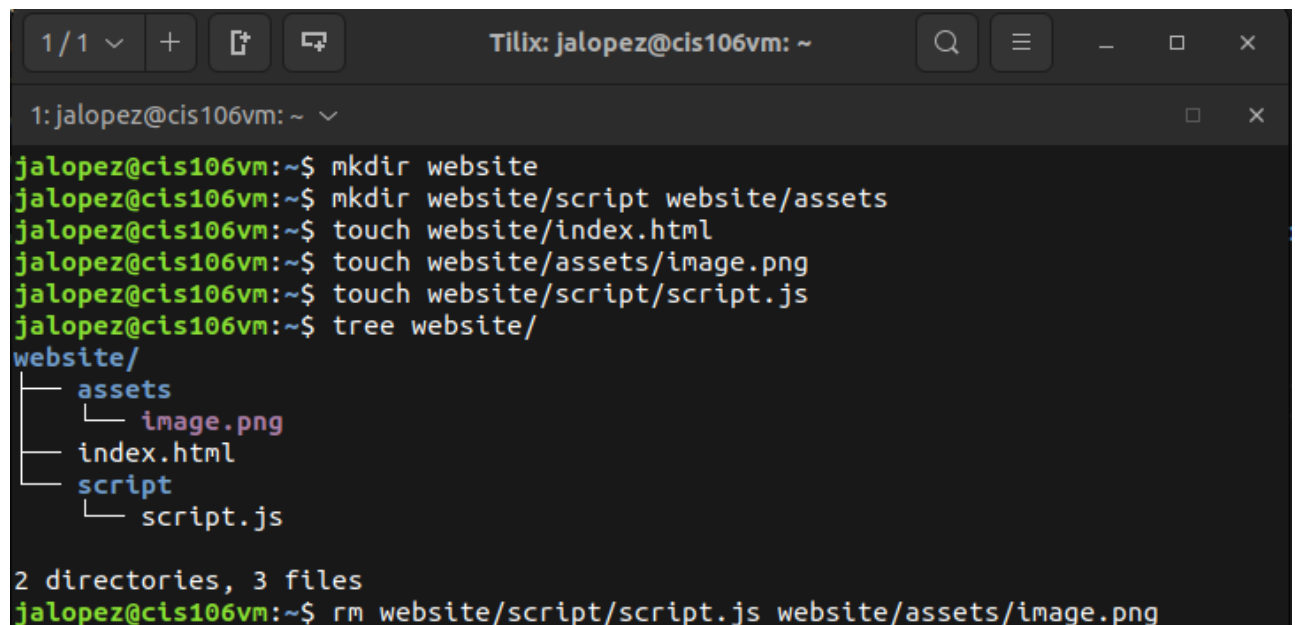
## Explain the mv and cp command. Provide at least 2 examples of each

The `mv` command can move and or rename the source. The `cp` command can copy files from one directory to another but if you add the `-r` option you can copy directories. Example: `mv`

`/Downloads/homework.pdf Documents/`, `cp Downloads/wallpapers/* ~/Pictures/`

## Practice

- Practice 1

A terminal window titled 'Tilix: jalopez@cis106vm: ~' showing a series of commands to create a website directory structure. The commands are: 'mkdir website', 'mkdir website/script website/assets', 'touch website/index.html', 'touch website/assets/image.png', 'touch website/script/script.js', and 'tree website/'. The output of the tree command shows a directory 'website/' containing 'assets' (with 'image.png'), 'index.html', and 'script' (with 'script.js'). The final command is 'rm website/script/script.js website/assets/image.png'.

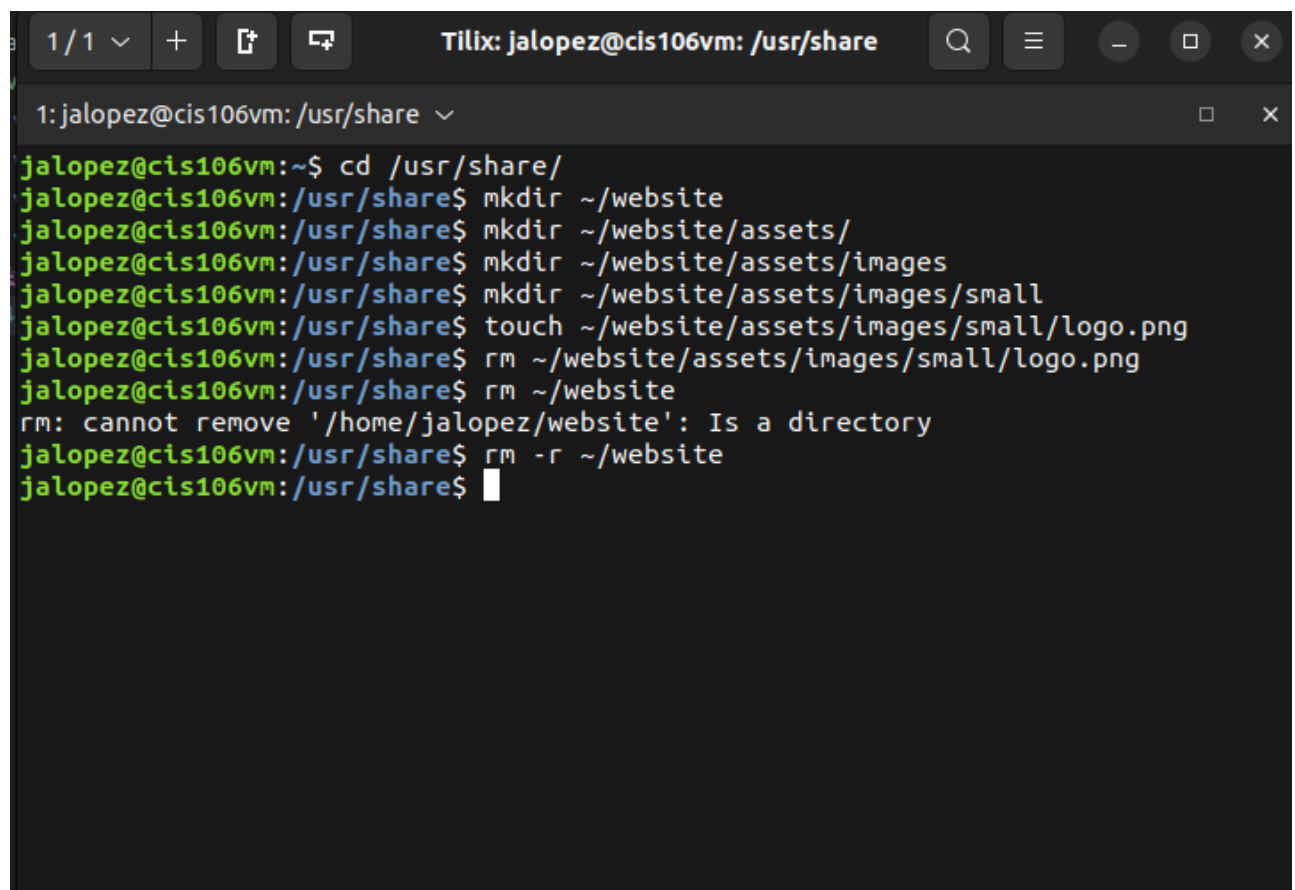
```
1/1  +  [icon] [icon]  Tilix: jalopez@cis106vm: ~  [search] [menu] [zoom] [close]

1: jalopez@cis106vm: ~  [close]

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

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

- Practice 2

A terminal window titled 'Tilix: jalopez@cis106vm: /usr/share' showing commands to create a website structure in the user's home directory. The commands are: 'cd /usr/share/', 'mkdir ~/website', 'mkdir ~/website/assets/', 'mkdir ~/website/assets/images', 'mkdir ~/website/assets/images/small', 'touch ~/website/assets/images/small/logo.png', 'rm ~/website/assets/images/small/logo.png', 'rm ~/website', and 'rm -r ~/website'. The output shows the directory structure being created and then removed. The final command 'rm -r ~/website' is followed by a cursor.

```
1/1  +  [icon] [icon]  Tilix: jalopez@cis106vm: /usr/share  [search] [menu] [zoom] [close]

1: jalopez@cis106vm: /usr/share  [close]

jalopez@cis106vm:~$ cd /usr/share/
jalopez@cis106vm:/usr/share$ mkdir ~/website
jalopez@cis106vm:/usr/share$ mkdir ~/website/assets/
jalopez@cis106vm:/usr/share$ mkdir ~/website/assets/images
jalopez@cis106vm:/usr/share$ mkdir ~/website/assets/images/small
jalopez@cis106vm:/usr/share$ touch ~/website/assets/images/small/logo.png
jalopez@cis106vm:/usr/share$ rm ~/website/assets/images/small/logo.png
jalopez@cis106vm:/usr/share$ rm ~/website
rm: cannot remove '/home/jalopez/website': Is a directory
jalopez@cis106vm:/usr/share$ rm -r ~/website
jalopez@cis106vm:/usr/share$
```

- Practice 3

```

1/1  +  [T] [C]  Tilix: jalopez@cis106vm: ~  [Q] [≡] [–] [□] [X]

1: jalopez@cis106vm: ~  [□] [X]

jalopez@cis106vm:~$ mkdir -p website/assets
jalopez@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  1821      0 --:--:-- --:--:-- --:--:-- 1832
jalopez@cis106vm:~$ mv Downloads/pexels-
pexels-alpography-14151466.jpg pexels-ozan-çulha-14341494.jpg
jalopez@cis106vm:~$ mv Downloads/pexels-alpography-14151466.jpg website/assets/
image.png
jalopez@cis106vm:~$ mv Downloads/pexels-ozan-çulha-14341494.jpg website/assets/
image2.png
jalopez@cis106vm:~$ xdg-open website/index.html
jalopez@cis106vm:~$ Gtk-Message: 12:34:11.622: Failed to load module "xapp-gtk3-
module"
Gtk-Message: 12:34:11.624: Not loading module "atk-bridge": The functionality is
provided by GTK natively. Please try to not load it.

```

Opened the file on my firefox browser.

- Practice 4

```

1/1  +  [T] [C]  Tilix: jalopez@cis106vm: ~/website  [Q] [≡] [–] [□] [X]

1: jalopez@cis106vm: ~/website  [□] [X]

jalopez@cis106vm:~$ cd website/
jalopez@cis106vm:~/website$ mkdir docs
jalopez@cis106vm:~/website$ cp ~/Downloads/sample2.doc docs/
jalopez@cis106vm:~/website$ cp ~/Downloads/sample3.pdf docs/
jalopez@cis106vm:~/website$ cp ~/Downloads/sample3.xls docs/
jalopez@cis106vm:~/website$ tree
.
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample2.doc
│   ├── sample3.pdf
│   └── sample3.xls
└── index.html

2 directories, 6 files
jalopez@cis106vm:~/website$

```

Saw the samples that I copied from the Downloads folder.