

# Week Report 5

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## 1. What are Command Options?

Command options modify/enhance their behavior.

## 2. What are Command Arguments?

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

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

The command used for creating directories is **mkdir** To create a directory with mkdir: `mkdir + the name of the directory`

### Examples

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

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

The **touch** command is used for creating files. To create a file using touch: `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 file using absolute path: `touch ~/Downloads/games.txt`

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

To remove a file, you would use the **rm** command. For example, `rm + file name`

## 6. 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. For example, `rmdir Downloads/games` To remove a non-empty directory use **rm -r** + directory name or directory absolute path. For example, `rm -r Downloads/games`

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

The **mv** command moves and renames directories. The basic formula of the **mv** command is: `mv + source + destination` The **cp** command copies files/directories from a source to a destination. The cp command uses the same structure as the mv command `cp + files to copy + destination`

## Examples of the mv command

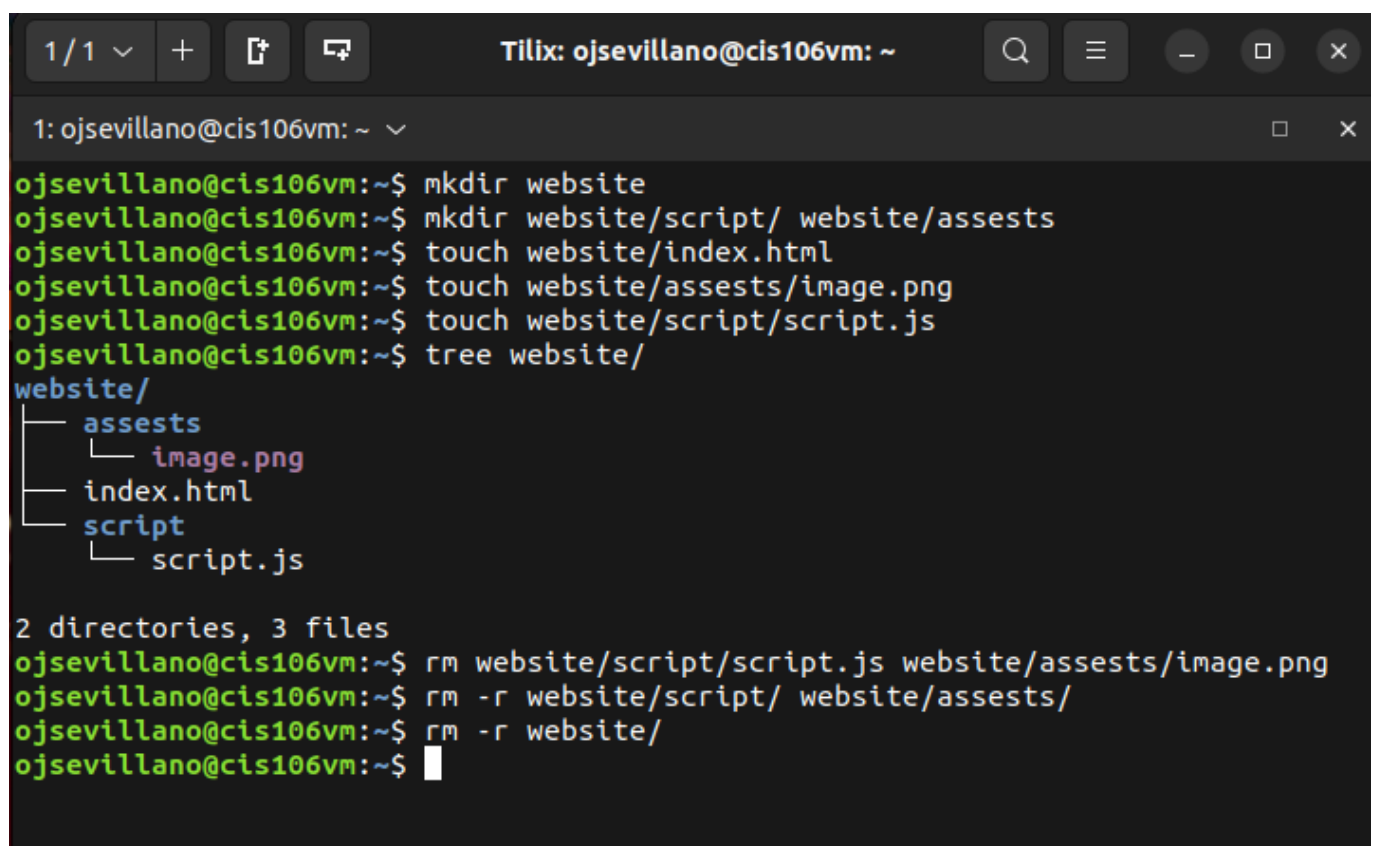
- To move a file from a directory to another using relative path: `mv Downloads/homework.pdf Documents/`
- To rename a file: `mv homework.docx cis106homework.docx`

## Examples of the cp command

- To copy a file: `cp Downloads/wallpapers.zip Pictures/`
- To copy a directory with absolute path: `cp -r ~/Downloads/wallpapers ~/Pictures/`

## Practice

### Practice 1:



```
1: ojsevallano@cis106vm: ~  
ojsevallano@cis106vm:~$ mkdir website  
ojsevallano@cis106vm:~$ mkdir website/script/ website/assests  
ojsevallano@cis106vm:~$ touch website/index.html  
ojsevallano@cis106vm:~$ touch website/assests/image.png  
ojsevallano@cis106vm:~$ touch website/script/script.js  
ojsevallano@cis106vm:~$ tree website/  
website/  
├── assests  
│   └── image.png  
├── index.html  
└── script  
    └── script.js  
  
2 directories, 3 files  
ojsevallano@cis106vm:~$ rm website/script/script.js website/assests/image.png  
ojsevallano@cis106vm:~$ rm -r website/script/ website/assests/  
ojsevallano@cis106vm:~$ rm -r website/  
ojsevallano@cis106vm:~$
```

### Practice 2:

```

1/1  +  [T] [C]  Tilix: ojsevallano@cis106vm: /usr/share  [Q] [≡] [–] [□] [×]

1: ojsevallano@cis106vm: /usr/share  [□] [×]

ojsevallano@cis106vm:~$ cd /usr/share/
ojsevallano@cis106vm:/usr/share$ mkdir /home/ojsevallano/website
ojsevallano@cis106vm:/usr/share$ mkdir -p ~/website/assets/images/small
ojsevallano@cis106vm:/usr/share$ touch ~/website/assets/images/small/logo.png
Command 'touch' not found, did you mean:
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
ojsevallano@cis106vm:/usr/share$ touch ~/website/assets/images/small/logo.png
ojsevallano@cis106vm:/usr/share$ rm ~/website/assets/images/small/logo.png
ojsevallano@cis106vm:/usr/share$ rm -r ~/website/
ojsevallano@cis106vm:/usr/share$

```

### Practice 3:

```

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

1: ojsevallano@cis106vm: ~  [□] [×]

ojsevallano@cis106vm:~$ mkdir website
ojsevallano@cis106vm:~$ mkdir website/assets
Command 'mkdir' not found, did you mean:
  command 'mkdir' from deb coreutils (8.32-4.1ubuntu1)
  command 'mdir' from deb mtools (4.0.33-1+really4.0.32-1build1)
Try: sudo apt install <deb name>
ojsevallano@cis106vm:~$ mkdir -p website/assets
ojsevallano@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  2356      0 --:--:-- --:--:-- --:--:-- 2369
ojsevallano@cis106vm:~$ mv Downloads/pexels-
pexels-elina-volkova-8343349.jpg
pexels-nataliya-vaitkevich-5352654.jpg
ojsevallano@cis106vm:~$ mv Downloads/pexels-
pexels-elina-volkova-8343349.jpg
pexels-nataliya-vaitkevich-5352654.jpg
ojsevallano@cis106vm:~$ mv Downloads/pexels-elina-volkova-8343349.jpg website/assets/
ojsevallano@cis106vm:~$ mv Downloads/pexels-nataliya-vaitkevich-5352654.jpg website/assets/
ojsevallano@cis106vm:~$ mv website/assets/pexels-elina-volkova-8343349.jpg website/assets/image.png
ojsevallano@cis106vm:~$ mv website/assets/pexels-nataliya-vaitkevich-5352654.jpg website/assets/image2.png
ojsevallano@cis106vm:~$ xdg-open website/
ojsevallano@cis106vm:~$ xdg-open website/index.html
ojsevallano@cis106vm:~$

```

### Practice 4:

```
1/1  +  [icon] [icon]  Tilix: ojsevallano@cis106vm: ~  [search] [menu] [minus] [maximize] [close]

1: ojsevallano@cis106vm: ~  [icon] [close]

ojsevallano@cis106vm:~$ mkdir website/docs
ojsevallano@cis106vm:~$ cp Downloads/sample1.
cp: missing destination file operand after 'Downloads/sample1.'
Try 'cp --help' for more information.
ojsevallano@cis106vm:~$ cp Downloads/sample1.
sample1.doc sample1.pdf sample1.xls
ojsevallano@cis106vm:~$ cp Downloads/sample1.doc website/docs/
ojsevallano@cis106vm:~$ cp Downloads/sample1.pdf website/docs/
ojsevallano@cis106vm:~$ cp Downloads/sample1.xls website/docs/
ojsevallano@cis106vm:~$ tree website/
website/
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample1.doc
│   ├── sample1.pdf
│   └── sample1.xls
└── index.html

2 directories, 6 files
ojsevallano@cis106vm:~$
```