Week Report 5

What are Command Options?

Command Options allow you to modify/enhance behavior

What are Command Arguments?

Command Arguments are 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. ***(mkdir + name of directory)***

Examples

- mkdir wallpapers (create a dir in the present dir)
- mkdir -p wallpapersOthers/movies (create dir with a parent dir at the same time)
- mkdir wallpapers/cars wallpapers/cities wallpapers/forest (creating multiple dir)

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

The command touch creates a file.

Examples

- touch listOfCars.txt script.py (create several files)
- touch ~/Downloads/games.txt (create a file using absolute path)
- touch Downloads/games2.txt (creating a file using relative path)
- touch "list of foods.txt" (creating a file with a space in its name)

How do you remove a file? Provide an example.

To remove a file you use the rm command (rm file)

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

To remove a file you use the command rm combined with -r (rm -r). You are not able to remove non-empty directories unless you use recursion (-r)

Examples

- rm -r Downloads/games (remove an non-empty directory)

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

mv Command: Allow users to move and rename directories

- mv Downloads/homework.pdf Documents/
- mv homework.pdf homework5.pdf

cp Command: Allow users to copy files/directories from a source to a destination *(cp + file to copy + destination)*

- cp Downloads/wallpapers.zip Pictures/ (copy a file)
- cp -r ~/Downloads/wallpapers ~/Pictures/ (copy a directory with absolute path)

Practice

- ***Practice 1***

```
djnunez43983@CIS106VM:~$ mkdir website
djnunez43983@CIS106VM:~$ mkdir website/script website/assets
djnunez43983@CIS106VM:~$ tree website
website
├── assets
└── script

2 directories, 0 files
djnunez43983@CIS106VM:~$ touch ~/website/index.html
djnunez43983@CIS106VM:~$ touch ~/website/assets/image.png
djnunez43983@CIS106VM:~$ touch ~/website/script/script.js
djnunez43983@CIS106VM:~$ tree website
website
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

2 directories, 3 files
djnunez43983@CIS106VM:~$ cd website/
djnunez43983@CIS106VM:~/website$ rm script/script.js assets/image.png
djnunez43983@CIS106VM:~/website$ rm script/ assets/
rm: cannot remove 'script/': Is a directory
rm: cannot remove 'assets/': Is a directory
djnunez43983@CIS106VM:~/website$ rm -r script/ assets/
djnunez43983@CIS106VM:~/website$ cd ..
djnunez43983@CIS106VM:~$ rm website/
rm: cannot remove 'website/': Is a directory
djnunez43983@CIS106VM:~$ rm -r website/
djnunez43983@CIS106VM:~$ ls
cis106    Documents  gitcommands.txt      lab4files  lab5-audio              lab5-docs  lab5-video  Pictures  snap       Videos
Desktop   Downloads  installPrograms.sh  lab-5      lab5ChallengeQuestion  lab5-imgs  Music       Public    Templates
djnunez43983@CIS106VM:~$ 
```

- *Practice 2*

```
djnunez43983@CIS106VM:~$ cd /usr/share
djnunez43983@CIS106VM:/usr/share$ mkdir ~/website
djnunez43983@CIS106VM:/usr/share$ mkdir -p ~/website/assets/images/small
djnunez43983@CIS106VM:/usr/share$ tree website
website  [error opening dir]

0 directories, 0 files
djnunez43983@CIS106VM:/usr/share$ tree ~/website/
/home/djnunez43983/website/
└── assets
    └── images
        └── small

3 directories, 0 files
djnunez43983@CIS106VM:/usr/share$ touch ~/website/assets/images/small/logo.png
djnunez43983@CIS106VM:/usr/share$ tree ~/website/
/home/djnunez43983/website/
└── assets
    └── images
        └── small
            └── logo.png

3 directories, 1 file
djnunez43983@CIS106VM:/usr/share$ rm ~/website/assets/images/small/logo.png
djnunez43983@CIS106VM:/usr/share$ tree ~/website/
/home/djnunez43983/website/
└── assets
    └── images
        └── small

3 directories, 0 files
djnunez43983@CIS106VM:/usr/share$ rm -r ~/website/
djnunez43983@CIS106VM:/usr/share$ █
```

- *Practice 3*

- *Practice 4*

```
djnunez43983@CIS106VM:~$ ls
cis106      Downloads             lab4files    lab5ChallengeQuestion  lab5-video  Public      Videos
Desktop     gitcommands.txt       lab-5        lab5-docs              Music       snap        website
Documents   installPrograms.sh    lab5-audio   lab5-imgs              Pictures    Templates
djnunez43983@CIS106VM:~$ mkdir website/docs
djnunez43983@CIS106VM:~$ cp Downloads/sample3.xls Downloads/sample2.doc Downloads/sample3.pdf website/docs/
djnunez43983@CIS106VM:~$ tree website
website
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample2.doc
│   ├── sample3.pdf
│   └── sample3.xls
└── index.html

2 directories, 6 files
djnunez43983@CIS106VM:~$
```