

Week Report 5

What are Command Options?

A command options are options that modify and enhance the command behavior.

What are Command Arguments?

Command Arguments are items open that the command acts on.

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

1. `mkdir cat`
2. `mkdir cat/pictures`
3. `mkdir cat/docs cat/videos`

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

Creates files

1. `touch cats`
2. `touch image.png`
3. `touch /home/brian/cat/cats`

How do you remove a file? Provide an example.

`rm cat`

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

`rmdir` can remove a directory and `rm -r` can remove a non empty directory `rmdir -r cat`

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

The `mv` command allows you to move and rename files. `CP` is used to copy files into new directories

1. `mv ~/cats/cats.png ~/cats/CatsAreBetterThanDogs.png`
2. `cp ~/Downloads/cats ~/Cats/Pictures`

Practices

Practice 1

```
brian@CIS106VM:~$ mkdir website1
brian@CIS106VM:~$ cd website1
brian@CIS106VM:~/website1$ mkdir script assets
brian@CIS106VM:~/website1$ tree
.
├── assets
└── script

2 directories, 0 files
brian@CIS106VM:~/website1$ touch index.html
brian@CIS106VM:~/website1$ cd assets
brian@CIS106VM:~/website1/assets$ touch image.png
brian@CIS106VM:~/website1/assets$ cd ../
brian@CIS106VM:~/website1/assets$ cd ../
brian@CIS106VM:~/website1$ cd script/
brian@CIS106VM:~/website1/script$ touch script.js
brian@CIS106VM:~/website1/script$ tree website1
website1 [error opening dir]

0 directories, 0 files
brian@CIS106VM:~/website1/script$ cd ../
brian@CIS106VM:~/website1$ tree
.
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

2 directories, 3 files
brian@CIS106VM:~/website1$ rm website1/*
rm: cannot remove 'website1/*': No such file or directory
brian@CIS106VM:~/website1$ cd
brian@CIS106VM:~$ rm website1/*
rm: cannot remove 'website1/assets': Is a directory
rm: cannot remove 'website1/script': Is a directory
brian@CIS106VM:~$ cd website1
brian@CIS106VM:~/website1$ rm assets/image.png
brian@CIS106VM:~/website1$ rm script/script.js
brian@CIS106VM:~/website1$ rmdir script/
brian@CIS106VM:~/website1$ rmdir assets/
brian@CIS106VM:~/website1$ cd
brian@CIS106VM:~$ rmdir website1
brian@CIS106VM:~$ ls
CIS106-F2022  gitcommands.txt  lab5ChallengeQuestion  Music  snap
Desktop      lab4files        lab5-docs              myfile.txt  Templates
Documents    lab-5            lab5-imgs              Pictures  Videos
Downloads    lab5-audio       lab5-video             Public    website
brian@CIS106VM:~$
```

Practice 2

```

brian@CIS106VM:~$ cd /usr/share/
brian@CIS106VM:/usr/share$ mkdir /home/brian/website1
brian@CIS106VM:/usr/share$ ls home
ls: cannot access 'home': No such file or directory
brian@CIS106VM:/usr/share$ mkdir -p /home/brian/website1/assets/images/small
brian@CIS106VM:/usr/share$ tree website1
website1 [error opening dir]

0 directories, 0 files
brian@CIS106VM:/usr/share$ touch /home/brian/website1/assets/images/small/logo.png
brian@CIS106VM:/usr/share$ rm logo.png
rm: cannot remove 'logo.png': No such file or directory
brian@CIS106VM:/usr/share$ rm /home/brian/website1/assets/images/small/logo.png
brian@CIS106VM:/usr/share$ cd
brian@CIS106VM:~$ tree website1
website1
├── assets
│   └── images
│       └── small
└──

3 directories, 0 files
brian@CIS106VM:~$ rmdir website1
rmdir: failed to remove 'website1': Directory not empty
brian@CIS106VM:~$ rm -i website1
rm: cannot remove 'website1': Is a directory
brian@CIS106VM:~$ rm website1/*
rm: cannot remove 'website1/assets': Is a directory
brian@CIS106VM:~$ tree website1
website1
├── assets
│   └── images
│       └── small
└──

3 directories, 0 files
brian@CIS106VM:~$ rm -r website1
brian@CIS106VM:~$ ls
CIS106-F2022  gitcommands.txt  lab5ChallengeQuestion  Music  snap
Desktop       lab4files        lab5-docs              myfile.txt  Templates
Documents     Lab-5           lab5-ings             Pictures  Videos
Downloads     lab5-audio      lab5-video            Public    website
brian@CIS106VM:~$

```

Practice 3

```

brian@CIS106VM:~$ mkdir -p website1/assets
brian@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  1024      0 --:--:-- --:--:-- --:--:-- 1024
brian@CIS106VM:~$ mv /home/brian/Downloads/pexels-photo-
pexels-photo-12756617.jpeg pexels-photo-3053824.webp
brian@CIS106VM:~$ mv /home/brian/Downloads/pexels-photo-
pexels-photo-12756617.jpeg pexels-photo-3053824.webp
brian@CIS106VM:~$ mv /home/brian/Downloads/pexels-photo-12756617.jpeg /home/brian/website1/assets/
brian@CIS106VM:~$ mv /home/brian/Downloads/pexels-photo-3053824.webp /home/brian/website1/assets/
brian@CIS106VM:~$ mv website1/assets/pexels-photo-12756617.jpeg website1/assets/image.png
brian@CIS106VM:~$ mv website1/assets/pexels-photo-3053824.webp website1/assets/image2.png
brian@CIS106VM:~$ tree website1
website1
├── assets
│   ├── image2.png
│   └── image.png
└──

1 directory, 2 files
brian@CIS106VM:~$

```

Practice 4

```
brian@CIS106VM:~$ cd website1
brian@CIS106VM:~/website1$ mkdir docs
brian@CIS106VM:~/website1$ tree
.
├── assets
│   ├── image2.png
│   └── image.png
└── docs

2 directories, 2 files
brian@CIS106VM:~/website1$ cp /home/brian/Do
Documents/ Downloads/
brian@CIS106VM:~/website1$ cp /home/brian/Downloads/
Absolute Path VS Relative Path Cheat sheet.png  MyWallpapers/
game.txt                                          Open_Sans/
lab4files.zip                                   Open_Sans.zip
MANAGING FILES AND DIRECTORIES CHEAT SHEET.png  practicels.tar.xz
brian@CIS106VM:~/website1$ cp /home/brian/Downloads/sample1.xls /home/brian/website1/docs/
brian@CIS106VM:~/website1$ cp /home/brian/Downloads/sample2.doc /home/brian/website1/docs/
brian@CIS106VM:~/website1$ cp ~/Downloads/sample2.pdf ~/website1/docs/
brian@CIS106VM:~/website1$ tree
.
├── assets
│   ├── image2.png
│   └── image.png
└── docs
    ├── sample1.xls
    ├── sample2.doc
    └── sample2.pdf

2 directories, 5 files
brian@CIS106VM:~/website1$
```