

Week Report 5

Answer to questions:

- **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 the command acts on. This can be a file or directory.
- **Which command is used for creating directories? Provide at least 3 examples.** the command is `mkdir`.
- example 1:
 - Create a directory: `"mkdir potatoes"`
- example 2: create multiple directories: `"mkdir movies ~/Download/games ~/Documents/hw"`
- **What does the touch command do? Provide at least 3 examples.**
 - touch is used for creating files
 - Examples:
 - **touch list:** To create a file called list
 - **touch list_of_cars.txt script.py names.csv:** To create several files
 - **touch ~/Downloads/games.txt:** To create a file using absolute path
- **How do you remove a file? Provide an example.**
 - **rm** removes files
 - Example:
 - Remove a file: **rm list**
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example**
 - **rm** by default does not remove directories. To remove a directory use **rm** with the `-r` option
 - In Linux and other Nix systems you cannot remove non empty directories.
 - To remove empty directories use the **rmdir** command
 - Remove an empty directory
 - **rmdir Downloads/games**
- **Explain the mv and cp command. Provide at least 2 examples of each**
- **mv** moves and renames directories
- To move a file from a directory to another using relative path: **mv Downloads/homework.pdf Documents/**
- To move a directory from one directory to another using absolute path: **sudo mv ~/Downloads/theme /usr/share/themes**
- **cp** copies files/directories from a source to a destination
- To copy a file: **cp Downloads/wallpapers.zip. Pictures/**
- To copy a directory with absolute path: **cp -r ~/Downloads/wallpapers ~/Pictures/**

Practice 1

```
Tilix: justin28250@cis106: ~  
1: justin28250@cis106: ~  
justin28250@cis106:~$ mkdir website  
justin28250@cis106:~$ cd website/  
justin28250@cis106:~/website$ mkdir script assets  
justin28250@cis106:~/website$ touch index.html  
justin28250@cis106:~/website$ touch assets/image.png  
justin28250@cis106:~/website$ touch script/script.js  
justin28250@cis106:~/website$ tree .  
.  
├── assets  
│   └── image.png  
├── index.html  
└── script  
    └── script.js  
  
2 directories, 3 files  
justin28250@cis106:~/website$ rm script/script.js  
justin28250@cis106:~/website$ rm assets/image.png  
justin28250@cis106:~/website$ rm -r script/ assets/  
justin28250@cis106:~/website$ cd ../  
justin28250@cis106:~$ rm website/ -r  
justin28250@cis106:~$ _
```


Practice 2

```
Tilix: justin28250@cis106: /usr/share  
1: justin28250@cis106: /usr/share  
justin28250@cis106:~$ cd /usr/share/  
justin28250@cis106:/usr/share$ mkdir ~/website  
justin28250@cis106:/usr/share$ mkdir -p ~/website/assets/images/small  
justin28250@cis106:/usr/share$ touch ~/website/assets/images/small/logo.png  
justin28250@cis106:/usr/share$ rm ~/website/assets/images/small/logo.png  
justin28250@cis106:/usr/share$ rm -r ~/website/  
justin28250@cis106:/usr/share$ _
```

Practice 3

practice 3

Practice 4

practice 4