Week Report 5

1. Answer the following:

- What are Command Options?

Command Options are options that follow commands that modify/enhance their behavior.

- What are Command Arguments?

Command Arguments are arguments which are the items open which the command acts on. It follows a command.

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

The command for creating directories is mkdir. To create a directory use this formula: mkdir + the name of the directory.Three examples are:

```
1. mkdir wallpapers/'cities usa': creates a directory with a space in the
name

2. mkdir wallpapers/"majora's mask": creates a directory with a single
quote in the name

3. mkdir wallpapers/cars wallpapers/cities wallpapers/forest: creates
multiple directories
```

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

The touch command is used for creating files. Three examples are:

```
1. touch list: to create a file called list

2. touch list_of_cars.txt script.py names.csv: to create several files

3. touch "list of foods.txt": to create a file with a space in its name
```

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

To remove files use the rm command. Some example are:

```
1. rm -i list: removes file and prompt confirmation before removal

2. rm -I Downloads/games/*: removes all the files inside a directory and
asks before removing more than 3 files
```

```
3. rm list: removes a file
```

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

The rm by default does not remove directories. To remove a directory use **rm -r** option. In Linux and other
Nix systems you cannot remove non empty directories. To remove empty directories use the **rmdir**
command. To remove non-empty directories use **rm + directory name ir directory absolute path**.
Examples are:

```
1. rmdir Downloads/games: remove an empty directory

2. rm -r Downloads/games: remove a non empty directory
```

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

The mv command moves and renames directories. The formula for the command is **mv + source +
destination**. For renaming files/directories the formula is **mv + file/directory + new name**. The cp
command copies files/ directories from a source to a destination. The structure used is the same as the mv
command: **cp + files to copy + destination**. To copy directories you must use the -r option: **cp -r +
directory to copy + destination**. Examples of mv:

```
1. mv Downloads/homework.pdf Documents/: moves file from a directory to
another using relative path

2. sudo mv ~/Downloads/theme usr/share/themes: moves a directory from one
directory to another using absolute path

3. mv Downloads/english_homework.docx /media/student/flashdrive/: moves a
file from one directory to another combining absolute path and relative
path

4. mv games/ wallpapers/ rockmusic/ /media/student/flashdrive/: moves
multiple directories/files to a different directory

5. mv ~/Downloads/homework.docx ~/Downloads/cis106homework/.docx: renames a
file using absolute path

6. mv Downloads/cis106homework.docx Documents/new_cis106homework.docx:
moves and renames a file in the same command
```

Examples of cp:

```
1. cp Downloads/wallpapers.zip Pictures/: to copy a file
```

2. cp -r ~/Downloads/wallpapers ~/Pictures/: copies directory with absolute path

3. cp Downloads/wallpapers ~/Pictures/: copies the content of a directory to another directory

4. sudo cp -r script.sh program.py home.html assets/ /var/www.html/: copies multiple files in a single command

2. Complete all practices

Practice 1:

Practice 2:

Practice 3:

Practice 4:


```
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  [+]                        masantana24978@cis106vm: ~                     [search]  [≡]

masantana24978@cis106vm:~$ mkdir website/docs
masantana24978@cis106vm:~$ cp Downloads/sample
cp: missing destination file operand after 'Downloads/sample'
Try 'cp --help' for more information.
masantana24978@cis106vm:~$ cp Downloads/sample
cp: missing destination file operand after 'Downloads/sample'
Try 'cp --help' for more information.
masantana24978@cis106vm:~$ cp Downloads/sample1.doc website/docs/
masantana24978@cis106vm:~$ cp Downloads/sample1.xls website/docs/
masantana24978@cis106vm:~$ cp Downloads/sample1.pdf website/docs/
masantana24978@cis106vm:~$ tree website/
website/
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample1.doc
│   ├── sample1.pdf
│   └── sample1.xls
└── index.html

2 directories, 6 files
masantana24978@cis106vm:~$ █
```