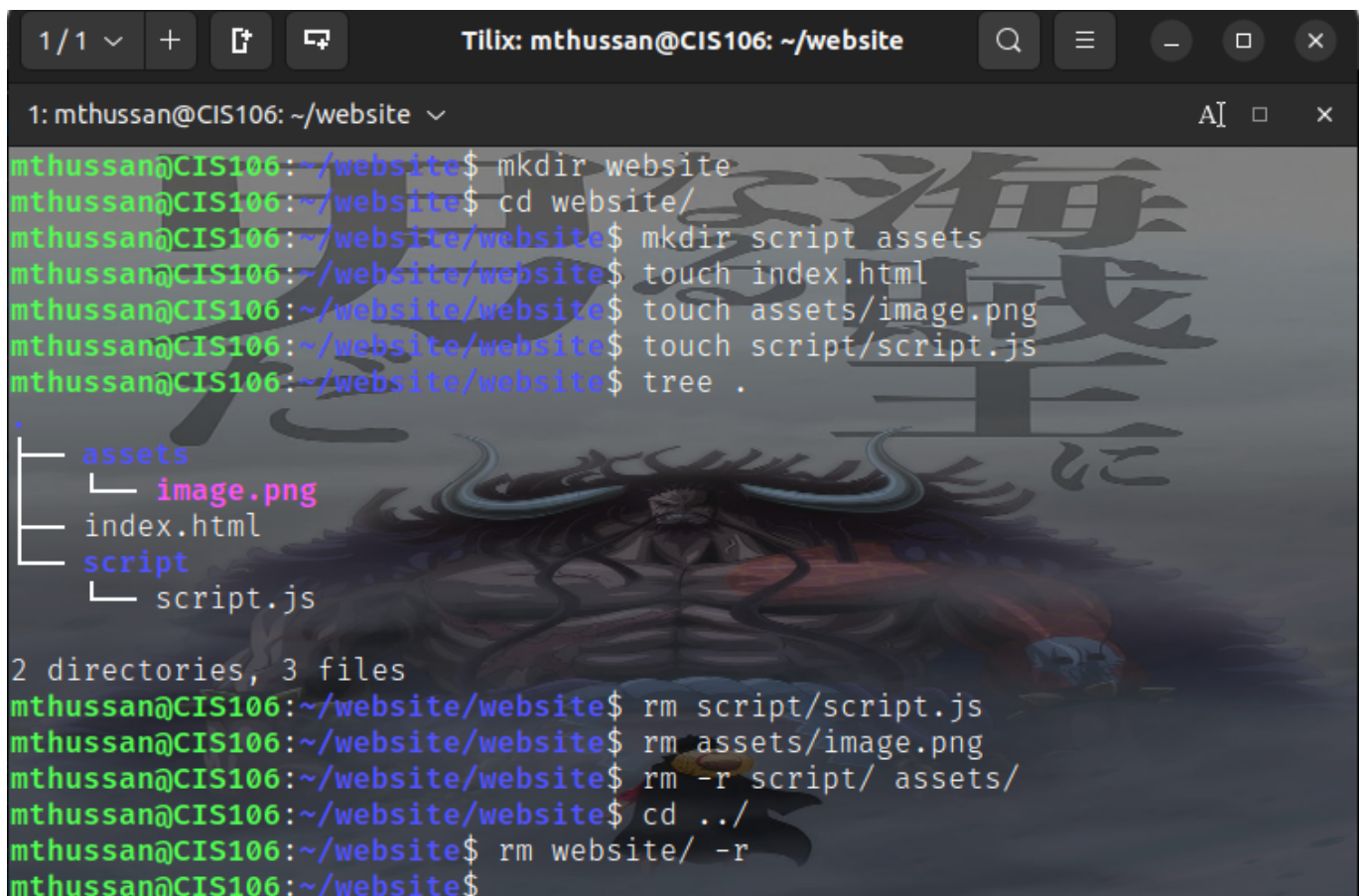# Week Report 5

Answer To Questions:

- **What are Command Options?** Additional parameters that can be added to a command to modify or customize its behavior. They usually start with a hyphen (-) followed by a letter or word, and can be combined together to form more complex options.

- **What are Command Arguments?** Inputs that are passed to a command to specify what it should act on or how it should perform its task.

- **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 ~/Downloads/games ~/Documents/hmw`

- example 3:

  - Create a directory inside of a directory: `mkdir data/backup`

- **What does the touch command do? Provide at least 3 examples.** Creates a new empty file or updates the modification and access times of an existing file.

- example 1:

  - Create new file inside of current directory: `touch index.html`

- example 2:

  - Create multiple files: `touch file1.txt file2.txt file3.txt`

- example 3:

  - Update modification time of existing file: `touch data.txt`

- **How do you remove a file? Provide an example.** The "rm" command followed by the name of the file you want to delete. For example, to remove a file called "myfile.txt", you would use the command: `rm myfile.txt`

- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** If the directory is empty, you can use the "rmdir" command. You can use the "rm" command with the "-r" option if it is not empty. For example: To remove an empty directory called "mydir": rmdir mydir

To remove a non-empty directory called "myfolder" and all its contents: rm -r myfolder

- **Explain the mv and cp command. Provide at least 2 examples of each** The "mv" command is used to move or rename files and directories, while the "cp" command is used to copy files and directories.

  - example 1:

    - Move a file to another directory: `mv file1.txt backup/`

  - example 2:

    - Rename a file: `mv oldname.txt newname.txt`

  - example 1:

    - Copy a file from the current directory to another one: `cp file1.txt backup/`

  - example 2: Copy a directory to another directory: `cp -r myfolder backup/`

Practice 1

Practice 2

Practice 3

Practice 4

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1: mthussan@CIS106: ~ ∨                                                        ▢    ✕

mthussan@CIS106:~$ mkdir ~/website/docs
mkdir: cannot create directory '/home/mthussan/website/docs': File exists
mthussan@CIS106:~$ cp ~/Downloads/sample.doc ~/website/docs/
mthussan@CIS106:~$ cp ~/Downloads/sample.xls ~/website/docs/
mthussan@CIS106:~$ cp ~/Downloads/sample.pdf ~/website/docs/
mthussan@CIS106:~$ tree ~/website
/home/mthussan/website
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample.doc
│   ├── sample.pdf
│   └── sample.xls
└── index.html

2 directories, 6 files
mthussan@CIS106:~$ _
```