

Week Report 5

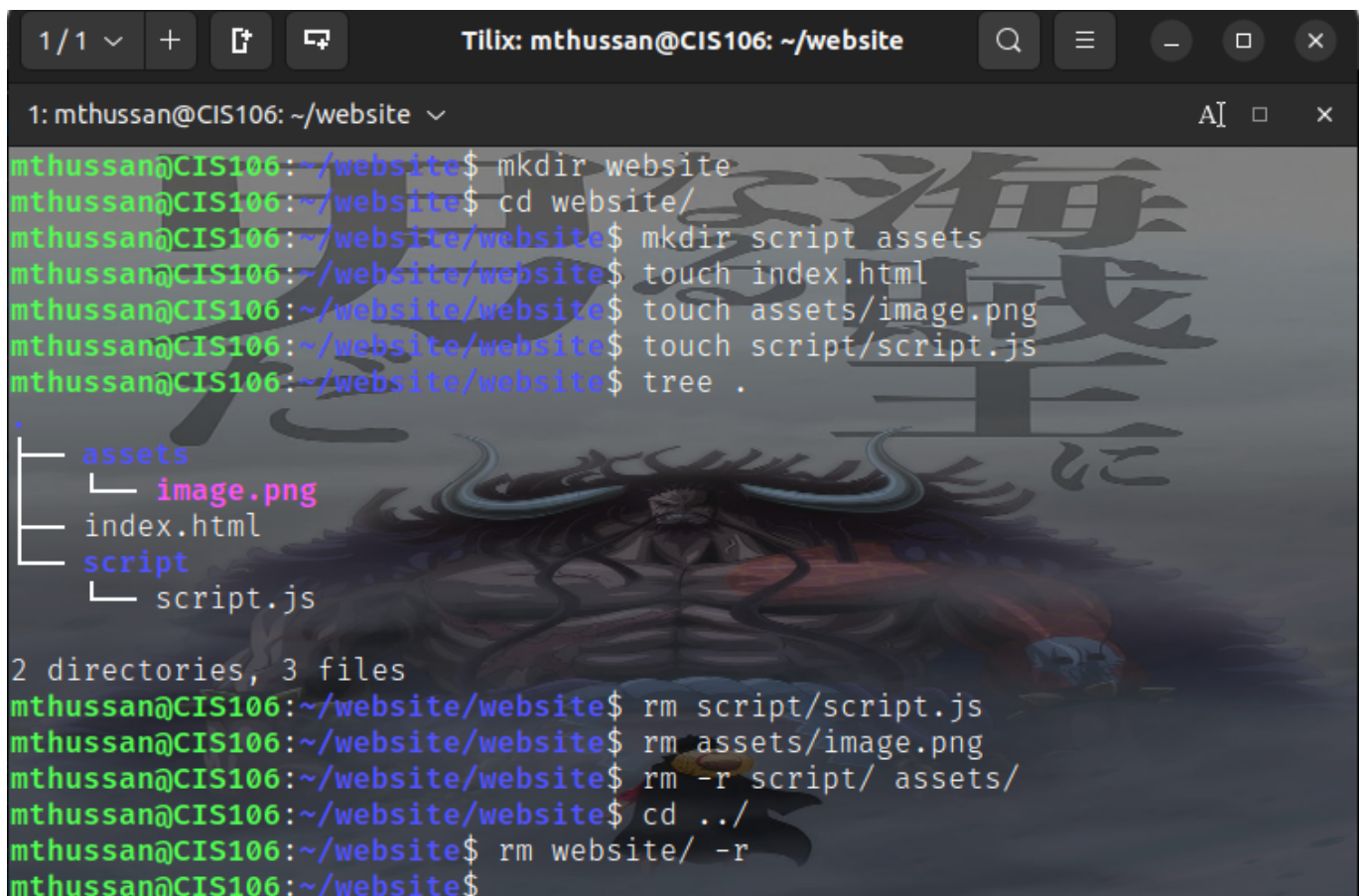
Answer To Questions:

- **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



```
1/1 + [T] [C] Tilix: mthussan@CIS106: ~/website [Q] [≡] [−] [□] [×]
1: mthussan@CIS106: ~/website [AI] [□] [×]
mthussan@CIS106:~/website$ mkdir website
mthussan@CIS106:~/website$ cd website/
mthussan@CIS106:~/website/website$ mkdir script assets
mthussan@CIS106:~/website/website$ touch index.html
mthussan@CIS106:~/website/website$ touch assets/image.png
mthussan@CIS106:~/website/website$ touch script/script.js
mthussan@CIS106:~/website/website$ tree .
.
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

2 directories, 3 files
mthussan@CIS106:~/website/website$ rm script/script.js
mthussan@CIS106:~/website/website$ rm assets/image.png
mthussan@CIS106:~/website/website$ rm -r script/ assets/
mthussan@CIS106:~/website/website$ cd ../
mthussan@CIS106:~/website$ rm website/ -r
mthussan@CIS106:~/website$
```

Practice 2

```

1/1  +  [ ]  [ ]  Tilix: mthussan@CIS106: /usr/share  [ ]  [ ]  [ ]  [ ]  [ ]
1: mthussan@CIS106: /usr/share  [ ]  [ ]
mthussan@CIS106:~/website$ cd /usr/share
mthussan@CIS106:/usr/share$ mkdir ~/website
mkdir: cannot create directory '/home/mthussan/website': File exists
mthussan@CIS106:/usr/share$ mkdir -p ~/website/assets/images/small
mthussan@CIS106:/usr/share$ touch ~/website/assets/images/small/logo.png
mthussan@CIS106:/usr/share$ rm ~/website/assets/images/small/logo.png
mthussan@CIS106:/usr/share$ rm -r ~/website
mthussan@CIS106:/usr/share$

```

Practice 3

```

1/1  +  [ ]  [ ]  Tilix: mthussan@CIS106: ~  [ ]  [ ]  [ ]  [ ]  [ ]
1: mthussan@CIS106: ~  [ ]  [ ]  AI  [ ]  [ ]
mthussan@CIS106:~$ mkdir ~/website
mthussan@CIS106:~$ mkdir ~/website/assets
mthussan@CIS106:~$ 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 Sp
0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:--
0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:--
100 372 100 372 0 0 1695 0 --:--:-- --:--:-- --:--:--
1690
mthussan@CIS106:~$ mv ~/Downloads/stars.jpeg ~/website/assets/image.png
mthussan@CIS106:~$ mv ~/Downloads/landscape.jpeg ~/website/assets/image2.png
mthussan@CIS106:~$ nano ~/website/index.html

```

Practice 4

```
Tilix: mthussan@CIS106: ~  
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:~$
```