

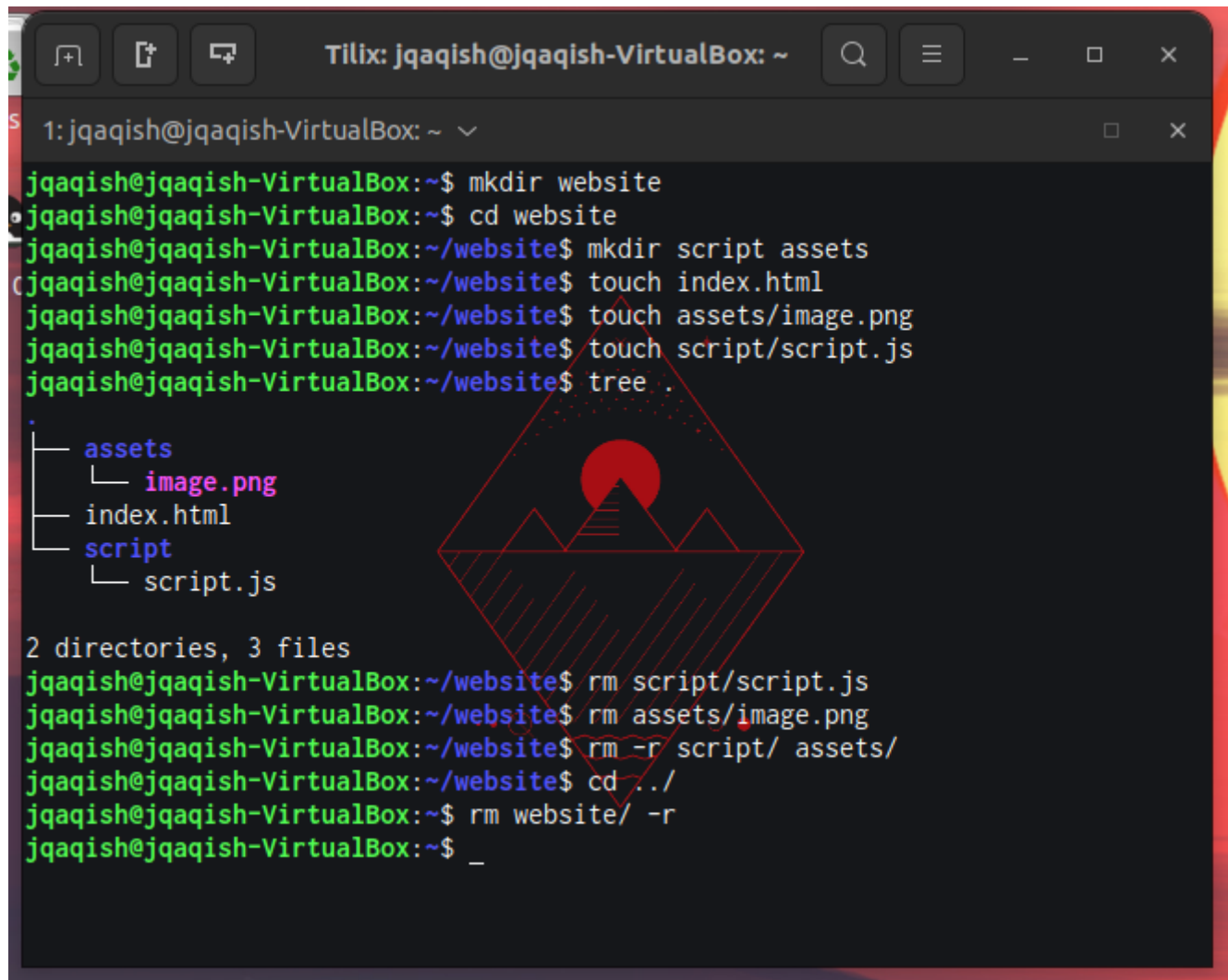
# Week Report 5

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## Answers for questions:

- **What are Command Options?** A command option is a set of characters or words that follow a command.
- **What are Command Arguments?** They are parameters that are given on the system's command line and are passed on to your program during execution.
- **Which command is used for creating directories? Provide at least 3 examples.** The mkdir command is used to create directories.
  - ex 1:
    - Create: mkdir fruits
  - ex 2:
    - Create multiple directories: mkdir games ~/Downloads/GBA ~/Downloads/Gamecube
- **What does the touch command do? Provide at least 3 examples.** The touch command can:
  - create multiple files
    - ex 1: touch action adventure drama
  - set timestamp
    - ex 2: touch -t birthday
  - set file timestamps with dates
    - ex 3: touch -d 28 March 2023
- **How do you remove a file? Provide an example.** Use the rm command with the file's name.
  - ex 1: rm vacation pics
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** You can remove a directory with the rmdir command.
  - ex 1: rmdir screenshots Non-empty directories can be removed with the rm -r command. ex 2: rm -r CameraRoll
- **Explain the mv and cp command. Provide at least 2 examples of each** The mv command can move files or directories
  - ex: mv dog.png ~/Pictures rename files or directories
  - ex: mv dog.png ~/Pictures/ChocoLab.png The cp command can copy a file
  - ex: cp ~/Pictures/Chocolab.png ~/Pictures/dogs copy a directory
  - ex: cp -R ~/Downloads/games ~/Games/

## Practice 1



A terminal window titled "Tilix: jqaqish@jqaqish-VirtualBox: ~" with standard window controls. The terminal shows a series of commands to create a website directory structure, touch files, list the directory, and then remove the files and the directory itself. A large, semi-transparent red watermark is centered over the terminal output.

```
jqaqish@jqaqish-VirtualBox:~$ mkdir website
jqaqish@jqaqish-VirtualBox:~$ cd website
jqaqish@jqaqish-VirtualBox:~/website$ mkdir script assets
jqaqish@jqaqish-VirtualBox:~/website$ touch index.html
jqaqish@jqaqish-VirtualBox:~/website$ touch assets/image.png
jqaqish@jqaqish-VirtualBox:~/website$ touch script/script.js
jqaqish@jqaqish-VirtualBox:~/website$ tree .
.
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

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

## Practice 2

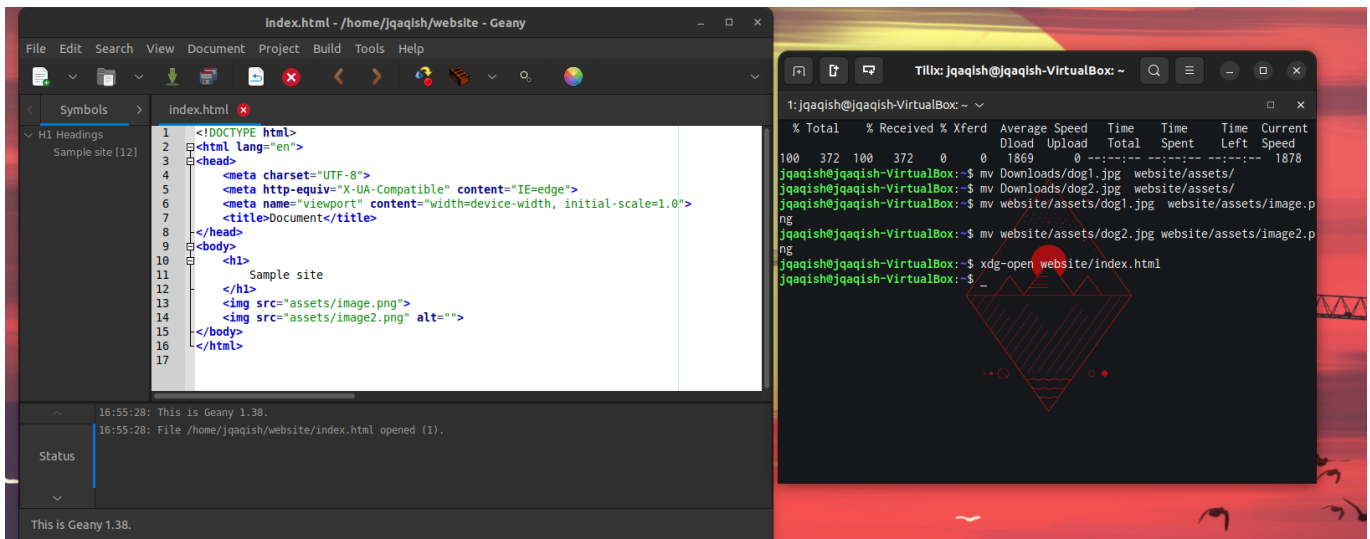
```
Applications  Places

Tilix: jqaqish@jqaqish-VirtualBox: ~

1: jqaqish@jqaqish-VirtualBox: ~ ▾

jqaqish@jqaqish-VirtualBox:~$ cd /usr/share
jqaqish@jqaqish-VirtualBox:/usr/share$ mkdir ~/website
jqaqish@jqaqish-VirtualBox:/usr/share$ mkdir ~/website assets/images/small
mkdir: cannot create directory '/home/jqaqish/website': File exists
mkdir: cannot create directory 'assets/images/small': No such file or directory
jqaqish@jqaqish-VirtualBox:/usr/share$ cd website
bash: cd: website: No such file or directory
jqaqish@jqaqish-VirtualBox:/usr/share$ cd ~/website
jqaqish@jqaqish-VirtualBox:~/website$ mkdir assets images small
jqaqish@jqaqish-VirtualBox:~/website$ cd ~/website/assets/images/small
bash: cd: /home/jqaqish/website/assets/images/small: No such file or directory
jqaqish@jqaqish-VirtualBox:~/website$ rmdir assets images small
jqaqish@jqaqish-VirtualBox:~/website$ mkdir assets/images/small
mkdir: cannot create directory 'assets/images/small': No such file or directory
jqaqish@jqaqish-VirtualBox:~/website$ mkdir assets images small
jqaqish@jqaqish-VirtualBox:~/website$ cd ~/website/assets/images/small
bash: cd: /home/jqaqish/website/assets/images/small: No such file or directory
jqaqish@jqaqish-VirtualBox:~/website$ rmdir images small
jqaqish@jqaqish-VirtualBox:~/website$ cd ~/website/assets/
jqaqish@jqaqish-VirtualBox:~/website/assets$ mkdir images
jqaqish@jqaqish-VirtualBox:~/website/assets$ cd ~/website/assets/images/
jqaqish@jqaqish-VirtualBox:~/website/assets/images$ mkdir small
jqaqish@jqaqish-VirtualBox:~/website/assets/images$ cd ~/website/assets/images/sma
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ touch logo.png
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ rm logo.png
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ ../
bash: ../: Is a directory
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ ../
bash: ../: Is a directory
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ ../
bash: ../: Is a directory
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ ../
bash: ../: Is a directory
jqaqish@jqaqish-VirtualBox:~/website/assets/images/small$ cd ../../../../
jqaqish@jqaqish-VirtualBox:~$ rm -r ~/website
jqaqish@jqaqish-VirtualBox:~$ _
```

## Practice 3



## Practice 4

```

Applications Places

1: jqaqish@jqaqish-VirtualBox: ~

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

2 directories, 6 files
jqaqish@jqaqish-VirtualBox:~$ _

```