Week Report 5

Answers to Questions

- **What are Command Options?** Command options change or enhance the behavior of a command.

- **What are Command Arguments?** Command arguments are the items that a command acts on, such as a file or a directory.

- **Which command is used for creating directories? Provide at least 3 examples.** The command is `mkdir`

- Example 1:

  - Creating a single directory: `mkdir rats`

- Example 2:

  - Creating multiple directories: `mkdir ~/Documents/icecream ~/Downloads/catphotos`

- Example 3:

  - Create a directory with a parent directory: `mkdir -p memes/clowns`

- **What does the touch command do? Provide at least 3 examples.** The touch command creates files.

- Example 1:

  - Creating a single file: `touch apples.png`

- Example 2:

  - Creating multiple files: `touch program.cpp notes.txt`

- Example 3:

  - Creating a file with spaces: `touch "numbers of friends.txt"`

- **How do you remove a file? Provide an example.** The command to remove a file is `rm`

- Example:

  - `rm notes.txt`

- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** You can remove empty directories with the `rm` command. To remove non-empty directories, you must use `rm -r`

- Example:

  - `rm -r Pictures/wallpapers`

- **Explain the mv and cp command. Provide at least 2 examples of each** The `mv` command moves and renames directories and files. The `cp` command copies files and directories from a source to a destination.

- Example 1:

  - Move files between directories: `mv Downloads/numbers.txt Documents/`

- Example 2:

  - Rename a file: `mv numbers.txt addresses.txt`

- Example 1:

  - Copying a file: `cp Downloads/clown.png Pictures/`

- Example 2:

  - Copy one directory to another: `cp Downloads/Clowns Pictures/`
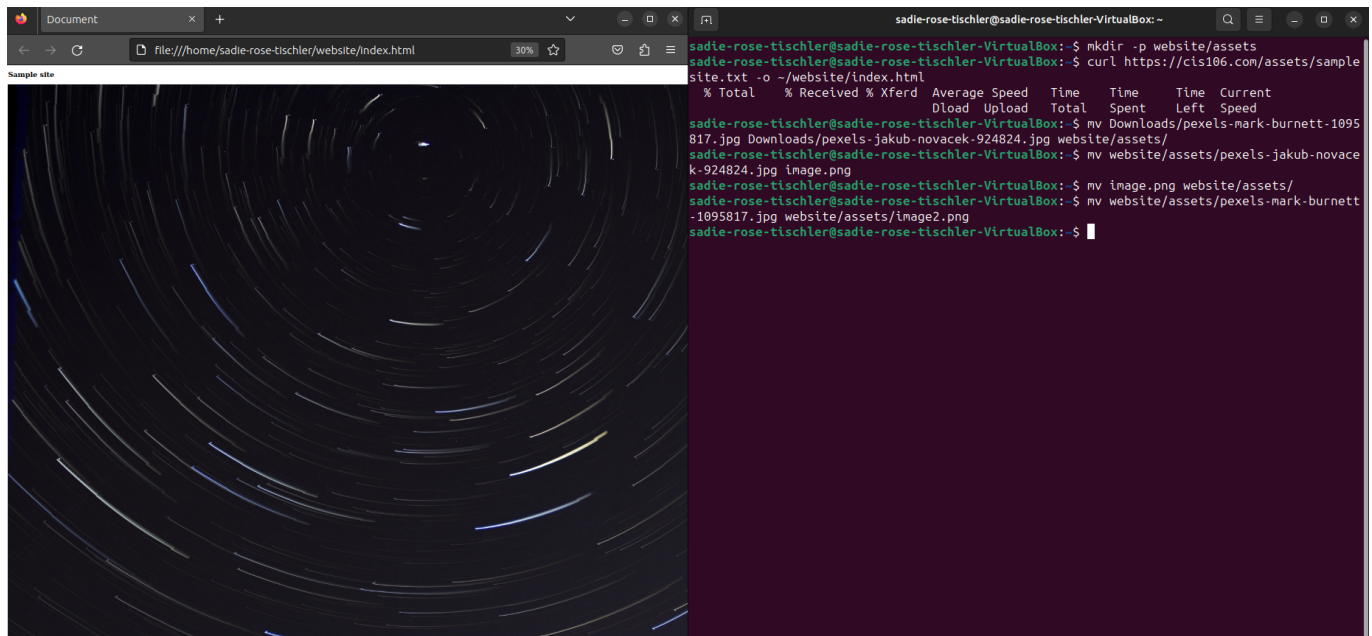
Practices

Practice 1

```
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ mkdir website
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ mkdir website/{script,assets}
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ touch website/index.html
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ touch website/assets/image.png
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ touch website/script/script.js
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ tree website/
website/
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

3 directories, 3 files
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ rm website/script/script.js website/assets/image.png
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ rm website/script/ website/assets/
rm: cannot remove 'website/script/': Is a directory
rm: cannot remove 'website/assets/': Is a directory
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ rm -r website/script/ website/assets/
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ rm -r website/
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ 
```

Practice 2

```
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:~$ cd /usr/share/
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:/usr/share$ mkdir ~/website
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:/usr/share$ mkdir -p ~/website/assets/images/small
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:/usr/share$ touch ~/website/assets/images/small/logo.png
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:/usr/share$ rm ~/website/assets/images/small/logo.png
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:/usr/share$ rm -r ~/website/
sadie-rose-tischler@sadie-rose-tischler-VirtualBox:/usr/share$ 
```

Pratice 3

Pratice 4