

Week Report 5

What are Command Options?

Command are often followed by options that modify/enhance their behavior

What are Command Arguments?

Commands are also followed by arguments which are the items open which the command acts on

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

The command used to create a directory is `mkdir` type: `mkdir` + the name of the directory

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

The touch command is used for creating files. For example, To create a file called list, `touch list` To create several files, `touch list_of_cars.txt script.py names.csv` To create file using absolute path is `touch ~/Downloads/games2.txt`

How do you remove a file? Provide an example.

The example to remove a file is `rm list`

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

To remove a directory the command is `rm -I Downloads/games/*` that will remove all the files inside a directory and ask before removing more than 3 files. Also you can remove an empty directory by simply typing the command `rm -r Downloads/games`

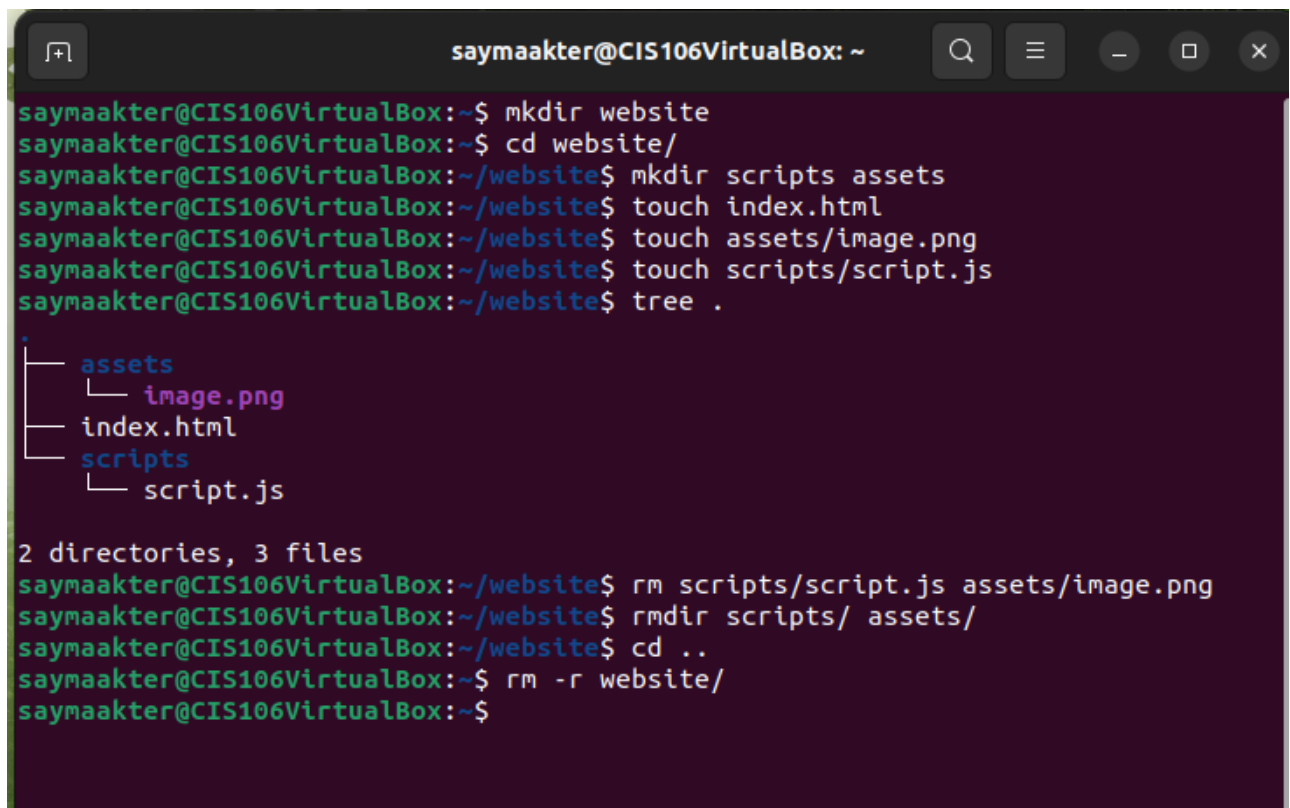
Explain the mv and cp command. Provide at least 2 examples of each

The mv command is to moves and renames directories. For example, The basic formula of the mv command is: `mv + source + destination` and To move file from a directory to another relative path is `mv Downloads/homework.pdf Documents/` To move multiple directories/files to a different directory `mv games / wallpapers / rockmusic / /media / student / flashdrive/`

The cp command is to to make copies of files/directories from source to a destination The cp command uses the same structure as the mv command `cp + files to copy + destination` To copy directories you must use the -r option `cp -r + directory to copy + destination`

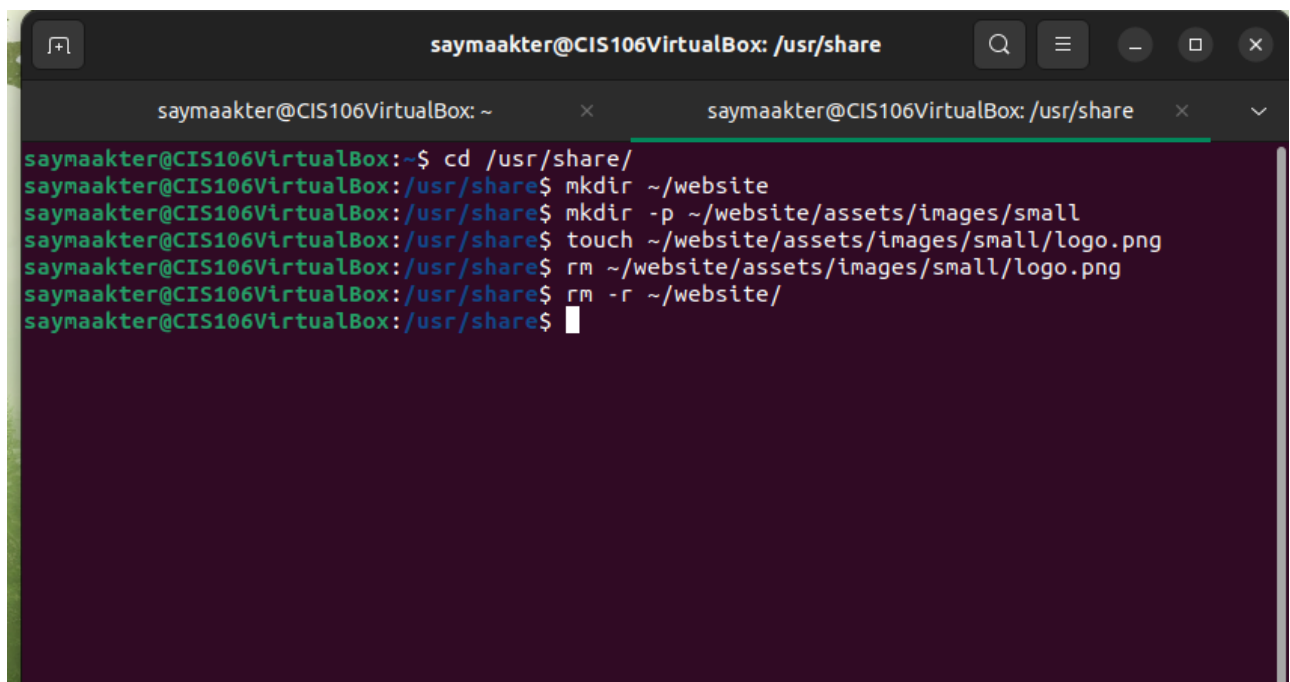
Practice

- Practice 1



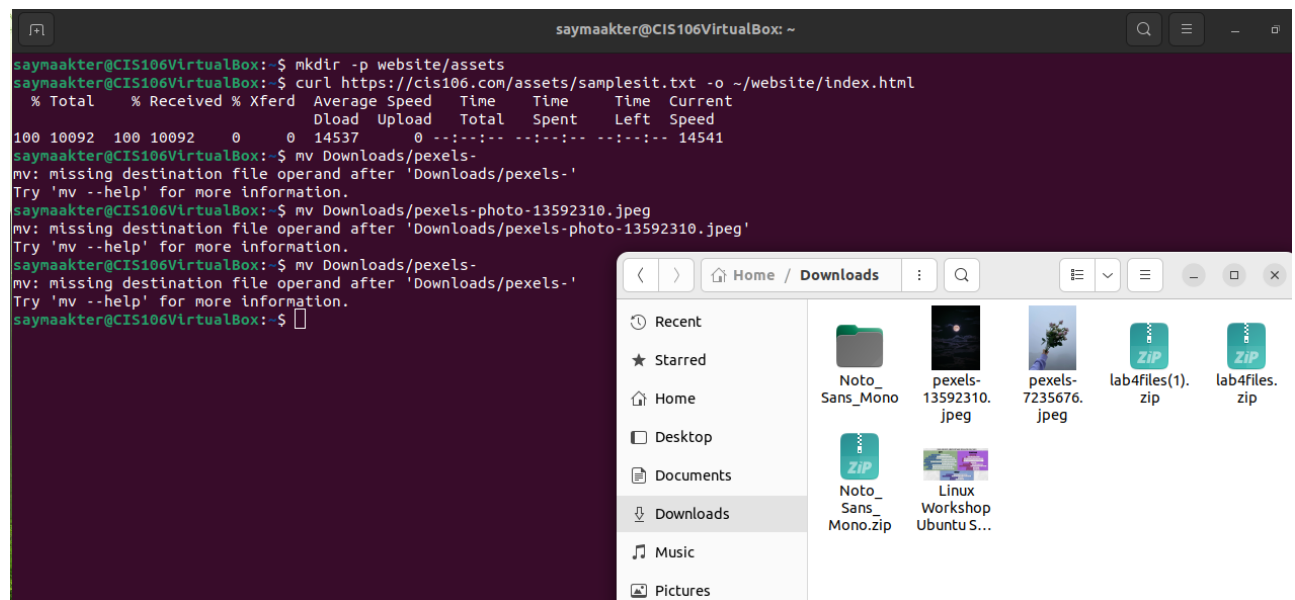
```
saymaakter@CIS106VirtualBox: ~  
saymaakter@CIS106VirtualBox:~$ mkdir website  
saymaakter@CIS106VirtualBox:~$ cd website/  
saymaakter@CIS106VirtualBox:~/website$ mkdir scripts assets  
saymaakter@CIS106VirtualBox:~/website$ touch index.html  
saymaakter@CIS106VirtualBox:~/website$ touch assets/image.png  
saymaakter@CIS106VirtualBox:~/website$ touch scripts/script.js  
saymaakter@CIS106VirtualBox:~/website$ tree .  
.  
├── assets  
│   └── image.png  
├── index.html  
└── scripts  
    └── script.js  
  
2 directories, 3 files  
saymaakter@CIS106VirtualBox:~/website$ rm scripts/script.js assets/image.png  
saymaakter@CIS106VirtualBox:~/website$ rmdir scripts/ assets/  
saymaakter@CIS106VirtualBox:~/website$ cd ..  
saymaakter@CIS106VirtualBox:~$ rm -r website/  
saymaakter@CIS106VirtualBox:~$
```

- Practice 2



```
saymaakter@CIS106VirtualBox: /usr/share  
saymaakter@CIS106VirtualBox:~$ cd /usr/share/  
saymaakter@CIS106VirtualBox:/usr/share$ mkdir ~/website  
saymaakter@CIS106VirtualBox:/usr/share$ mkdir -p ~/website/assets/images/small  
saymaakter@CIS106VirtualBox:/usr/share$ touch ~/website/assets/images/small/logo.png  
saymaakter@CIS106VirtualBox:/usr/share$ rm ~/website/assets/images/small/logo.png  
saymaakter@CIS106VirtualBox:/usr/share$ rm -r ~/website/  
saymaakter@CIS106VirtualBox:/usr/share$
```

- Practice 3

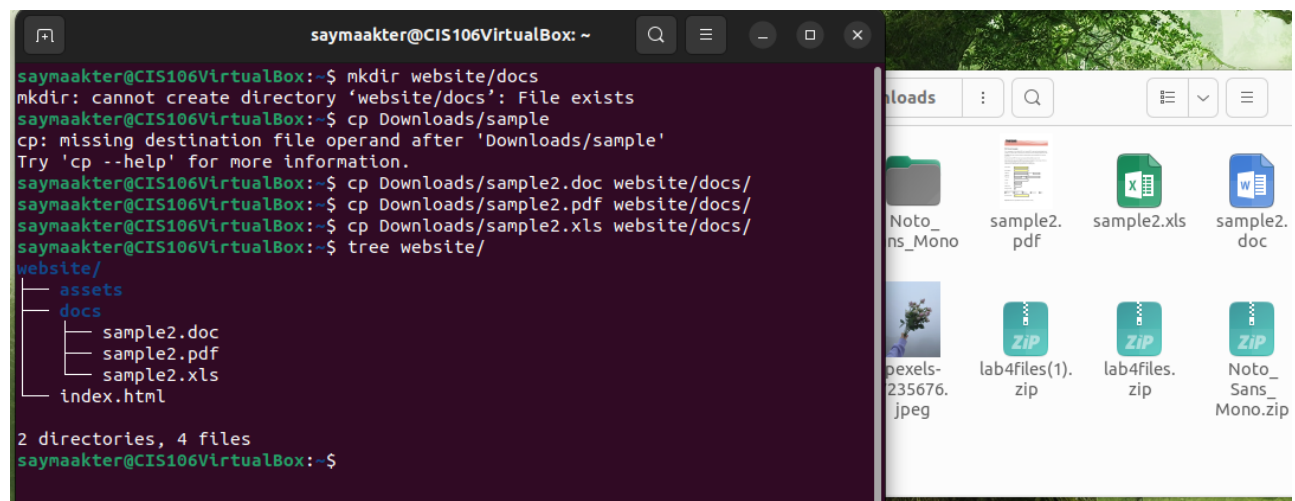


The screenshot shows a terminal window with the following commands and output:

```
saymaakter@CIS106VirtualBox: ~  
saymaakter@CIS106VirtualBox:~$ mkdir -p website/assets  
saymaakter@CIS106VirtualBox:~$ curl https://cis106.com/assets/samplesit.txt -o ~/website/index.html  
% Total % Received % Xferd Average Speed Time Time Time Current  
Dload Upload Total Spent Left Speed  
100 10092 100 10092 0 0 14537 0 --:--:-- --:--:-- --:--:-- 14541  
saymaakter@CIS106VirtualBox:~$ mv Downloads/pexels-  
mv: missing destination file operand after 'Downloads/pexels-'  
Try 'mv --help' for more information.  
saymaakter@CIS106VirtualBox:~$ mv Downloads/pexels-photo-13592310.jpeg  
mv: missing destination file operand after 'Downloads/pexels-photo-13592310.jpeg'  
Try 'mv --help' for more information.  
saymaakter@CIS106VirtualBox:~$ mv Downloads/pexels-  
mv: missing destination file operand after 'Downloads/pexels-'  
Try 'mv --help' for more information.  
saymaakter@CIS106VirtualBox:~$
```

Overlaid on the terminal is a file manager window showing the 'Downloads' directory. It contains files: Noto_Sans_Mono, pexels-13592310.jpeg, pexels-7235676.jpeg, lab4files(1).zip, lab4files.zip, Noto_Sans_Mono.zip, and Linux Workshop Ubuntu S...

- Practice 4



The screenshot shows a terminal window with the following commands and output:

```
saymaakter@CIS106VirtualBox: ~  
saymaakter@CIS106VirtualBox:~$ mkdir website/docs  
mkdir: cannot create directory 'website/docs': File exists  
saymaakter@CIS106VirtualBox:~$ cp Downloads/sample  
cp: missing destination file operand after 'Downloads/sample'  
Try 'cp --help' for more information.  
saymaakter@CIS106VirtualBox:~$ cp Downloads/sample2.doc website/docs/  
saymaakter@CIS106VirtualBox:~$ cp Downloads/sample2.pdf website/docs/  
saymaakter@CIS106VirtualBox:~$ cp Downloads/sample2.xls website/docs/  
saymaakter@CIS106VirtualBox:~$ tree website/  
website/  
├── assets  
└── docs  
    ├── sample2.doc  
    ├── sample2.pdf  
    ├── sample2.xls  
    └── index.html  
  
2 directories, 4 files  
saymaakter@CIS106VirtualBox:~$
```

Overlaid on the terminal is a file manager window showing the 'Downloads' directory. It contains files: Noto_Sans_Mono, sample2.pdf, sample2.xls, sample2.doc, pexels-235676.jpeg, lab4files(1).zip, lab4files.zip, and Noto_Sans_Mono.zip.