

What are command options?

- Command options modify or enhance a commands behavior.

What are command arguments?

- Command arguments are the items that the command acts on.

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

- mkdir is used to create directories
 - mkdir music
 - mkdir music/rap
 - mk music/rap/drake

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

- touch is used create files
 - touch list
 - touch ~/Downloads/games.txt
 - touch "list of games.txt"

How do you remove a file? Provide an example.

- You use rm to remove files
- rm list

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

- You use rm -r to remove a directory.
- rm -r Downloads/games

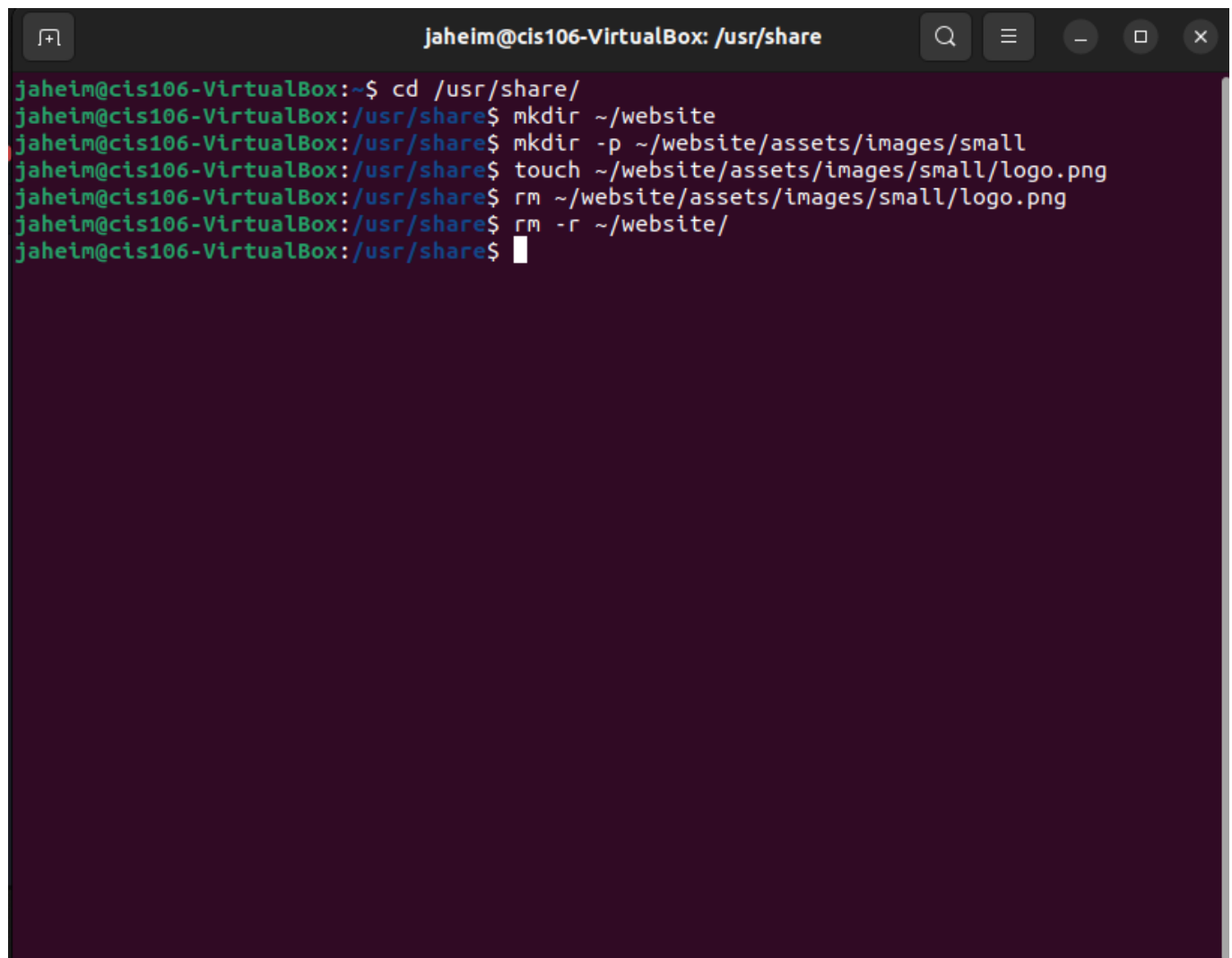
Explain the mv and cp command. Provide at least 2 examples of each

- The mv command moves and renames directories.
- The cp command copies files and directories from a source to a destination.
- mv Downloads/games.pdf Documents/
- mv games/ wallpapers/ rockmusic/ /media/student/flashdrive
- cp Downloads/wallpapers.zip Pictures/
- sudo cp -r script.sh program.py home.html assets/ /var/www/html/

Practice 1

```
jaheim@cis106-VirtualBox: ~  
jaheim@cis106-VirtualBox:~$ mkdir website  
jaheim@cis106-VirtualBox:~$ cd website/  
jaheim@cis106-VirtualBox:~/website$ mkdir scripts assets  
jaheim@cis106-VirtualBox:~/website$ touch index.html  
jaheim@cis106-VirtualBox:~/website$ touch assets/image.png  
jaheim@cis106-VirtualBox:~/website$ touch scripts.js  
jaheim@cis106-VirtualBox:~/website$ tree .  
.  
├── assets  
│   └── image.png  
├── index.html  
├── scripts  
└── scripts.js  
  
2 directories, 3 files  
jaheim@cis106-VirtualBox:~/website$ rm scripts/script.js assets/image.png  
rm: cannot remove 'scripts/script.js': No such file or directory  
jaheim@cis106-VirtualBox:~/website$ rmdir scripts/ assets/  
jaheim@cis106-VirtualBox:~/website$ cd ..  
jaheim@cis106-VirtualBox:~$ rm -r website/  
jaheim@cis106-VirtualBox:~$
```

Practice 2



```
jaheim@cis106-VirtualBox: /usr/share
jaheim@cis106-VirtualBox:~$ cd /usr/share/
jaheim@cis106-VirtualBox:/usr/share$ mkdir ~/website
jaheim@cis106-VirtualBox:/usr/share$ mkdir -p ~/website/assets/images/small
jaheim@cis106-VirtualBox:/usr/share$ touch ~/website/assets/images/small/logo.png
jaheim@cis106-VirtualBox:/usr/share$ rm ~/website/assets/images/small/logo.png
jaheim@cis106-VirtualBox:/usr/share$ rm -r ~/website/
jaheim@cis106-VirtualBox:/usr/share$
```

Practice 3

```
jaheim@cis106-VirtualBox: ~  
jaheim@cis106-VirtualBox:~$ mkdir -p website/assets  
jaheim@cis106-VirtualBox:~$ 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   Speed  
100  372  100  372    0     0  1083      0 --:--:-- --:--:-- --:--:-- 1087  
jaheim@cis106-VirtualBox:~$ mv Downloads/pexels-  
mv: missing destination file operand after 'Downloads/pexels-'  
Try 'mv --help' for more information.  
jaheim@cis106-VirtualBox:~$ mv Downloads/pexels-k  
mv: missing destination file operand after 'Downloads/pexels-k'  
Try 'mv --help' for more information.  
jaheim@cis106-VirtualBox:~$ mv Downloads/pexels-k  
pexels-karolina-grabowska-5422596.jpg  pexels-kwnos-iv-13366951.jpg  
jaheim@cis106-VirtualBox:~$ mv Downloads/pexels-k  
pexels-karolina-grabowska-5422596.jpg  pexels-kwnos-iv-13366951.jpg  
jaheim@cis106-VirtualBox:~$ mv Downloads/pexels-karolina-grabowska-5422596.jpg website/as  
sets/  
jaheim@cis106-VirtualBox:~$ mv Downloads/pexels-kwnos-iv-13366951.jpg website/assets/  
jaheim@cis106-VirtualBox:~$ mv website/assets/pexels-karolina-grabowska-5422596.jpg websi  
te/assets/image.png  
jaheim@cis106-VirtualBox:~$ mv website/assets/pexels-kwnos-iv-13366951.jpg website/assets  
/image2.png  
jaheim@cis106-VirtualBox:~$ xdg-open website/index.html  
jaheim@cis106-VirtualBox:~$
```

Practice 4

```
jaheim@cis106-VirtualBox: ~  
jaheim@cis106-VirtualBox:~$ mkdir website/docs/  
mkdir: cannot create directory 'website/docs/': File exists  
jaheim@cis106-VirtualBox:~$ cp Downloads/sample1.  
sample1.doc sample1.pdf sample1.xls  
jaheim@cis106-VirtualBox:~$ cp Downloads/sample1.doc website/docs/  
jaheim@cis106-VirtualBox:~$ cp Downloads/sample1.pdf website/docs/  
jaheim@cis106-VirtualBox:~$ cp Downloads/sample1.xls website/docs/  
jaheim@cis106-VirtualBox:~$ tree website/  
website/  
├── assets  
│   ├── image2.png  
│   └── image.png  
├── docs  
│   ├── sample1.doc  
│   ├── sample1.pdf  
│   └── sample1.xls  
└── index.html  
  
2 directories, 6 files  
jaheim@cis106-VirtualBox:~$
```