
Name: Wael Homsî Course: CIS-106 Semester: Fall 23

Week Report 5

What are Command Options?

Command options are modifiers that alters what the command would normally print for the desired outcome. ex: `ls -x1` the `-x1` is the option

What are Command Arguments?

Command arguments are the inputs for the command; ex: `cp file.txt/otherfile` the `file.txt` would be the argument

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

Mkdir is the command used for creating directories ex: `mkdir Downloads/games` | `mkdir Pictures/cars` | `mkdir Documents/homework.txt`

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

The touch command is similar to mkdir but instead of a folder it makes a file. ex: `touch Pictures/bob.png` | `touch Documents/taxes.txt` | `touch Music/reggae.mp3`

How do you remove a file? Provide an example.

To remove a file use the `rm` command. ex: `rm file.pdf`

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

To remove a directory you must use `rmdir` or `rm -r` commands or you will get an error. ex `rmdir mydirectory`

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. ex: `mv files.txt files1.txt` | `mv dir1/assets /dir2`

The `cp` command is used to copy files and directories. ex: `cp file.txt file1.txt` | `cp -r dir1 dir2`

Practice 1

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

2 directories, 3 files
whomsi@whomsi-virtual-machine:~/website$ rm script/script.js
whomsi@whomsi-virtual-machine:~/website$ rm assets/image.png
whomsi@whomsi-virtual-machine:~/website$ rm -r script/ assets/
whomsi@whomsi-virtual-machine:~/website$ cd ../
whomsi@whomsi-virtual-machine:~$ rm website/ -r
whomsi@whomsi-virtual-machine:~$ █
```

Practice 2

```
whomsi@whomsi-virtual-machine:~$ cd /usr/share
whomsi@whomsi-virtual-machine:/usr/share$ mkdir ~/website
whomsi@whomsi-virtual-machine:/usr/share$ mkdir ~/website/assets/images/small
mkdir: cannot create directory '/home/whomsi/website/assets/images/small': No su
ch file or directory
whomsi@whomsi-virtual-machine:/usr/share$ mkdir -p ~/website/assets/images/small
whomsi@whomsi-virtual-machine:/usr/share$ mkdir -p ~/website/assets/images/small
/logo.png
whomsi@whomsi-virtual-machine:/usr/share$ rmdir ~/website
rmdir: failed to remove '/home/whomsi/website': Directory not empty
whomsi@whomsi-virtual-machine:/usr/share$ rm ~/website/assets/images/small/logo.
png
rm: cannot remove '/home/whomsi/website/assets/images/small/logo.png': Is a dire
ctory
whomsi@whomsi-virtual-machine:/usr/share$ rmdir ~/website/assets/images/small/lo
go.png
whomsi@whomsi-virtual-machine:/usr/share$ rmdir ~/website
rmdir: failed to remove '/home/whomsi/website': Directory not empty
whomsi@whomsi-virtual-machine:/usr/share$ rm -r ~/website
whomsi@whomsi-virtual-machine:/usr/share$ █
```

Practice 3

```
whomsi@whomsi-virtual-machine:~$ mkdir website
whomsi@whomsi-virtual-machine:~$ mkdir website/assets
whomsi@whomsi-virtual-machine:~$ 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    2461    0 --:--:-- --:--:-- --:--:--   2463
whomsi@whomsi-virtual-machine:~$ mv Downloads/pexels-inline-media-5229527.jpg Downloads/pexels-txomcs-13960388.jpg website/assets
mv: target 'website/assets' is not a directory
whomsi@whomsi-virtual-machine:~$ mv website/assets/pexels-inline-media-5229527.jpg image1.png
whomsi@whomsi-virtual-machine:~$ mv image1.png website/assets
whomsi@whomsi-virtual-machine:~$ mv website/assets/pexels-txomcs-13960388.jpg website/assets/image.png
whomsi@whomsi-virtual-machine:~$ xdg-open website.html
gio: file:///home/whomsi/website.html: Error when getting information for file "/home/whomsi/website.html": No such file or directory
whomsi@whomsi-virtual-machine:~$ xdg-open website/website.html
gio: file:///home/whomsi/website/website.html: Error when getting information for file "/home/whomsi/website/website.html": No such file or directory
whomsi@whomsi-virtual-machine:~$ xdg-open website/index.html
whomsi@whomsi-virtual-machine:~$ Gtk-Message: 13:37:07.257: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.
(firefox:38561): Gtk-WARNING **: 13:37:07.327: GTK+ module /snap/firefox/3252/gnome-platform/usr/lib/gtk-2.0/modules/libcanberra-gtk-module.so cannot be loaded.
GTK+ 2.x symbols detected. Using GTK+ 2.x and GTK+ 3 in the same process is not supported.
Gtk-Message: 13:37:07.327: Failed to load module "canberra-gtk-module"
(firefox:38561): Gtk-WARNING **: 13:37:07.329: GTK+ module /snap/firefox/3252/gnome-platform/usr/lib/gtk-2.0/modules/libcanberra-gtk-module.so cannot be loaded.
GTK+ 2.x symbols detected. Using GTK+ 2.x and GTK+ 3 in the same process is not supported.
whomsi@whomsi-virtual-machine:~$ mv website/assets/image1.png website/assets/image2.png
whomsi@whomsi-virtual-machine:~$ xdg-open website/index.html
whomsi@whomsi-virtual-machine:~$ Gtk-Message: 13:39:19.852: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.
(firefox:38696): Gtk-WARNING **: 13:39:19.933: GTK+ module /snap/firefox/3252/gnome-platform/usr/lib/gtk-2.0/modules/libcanberra-gtk-module.so cannot be loaded.
GTK+ 2.x symbols detected. Using GTK+ 2.x and GTK+ 3 in the same process is not supported.
Gtk-Message: 13:39:19.933: Failed to load module "canberra-gtk-module"
(firefox:38696): Gtk-WARNING **: 13:39:19.934: GTK+ module /snap/firefox/3252/gnome-platform/usr/lib/gtk-2.0/modules/libcanberra-gtk-module.so cannot be loaded.
GTK+ 2.x symbols detected. Using GTK+ 2.x and GTK+ 3 in the same process is not supported.
Gtk-Message: 13:39:19.934: Failed to load module "canberra-gtk-module"
whomsi@whomsi-virtual-machine:~$
```



Practice 4

```
whomsi@whomsi-virtual-machine:~$ mkdir website/docs
whomsi@whomsi-virtual-machine:~$ mv Downloads/sample2.doc website/docs
whomsi@whomsi-virtual-machine:~$ mv Downloads/sample3.pdf Downloads/sample3.xls websi
te/docs
whomsi@whomsi-virtual-machine:~$ cp website/docs/sample2.doc website/docs/sample3.pdf
website/sample3.xls website
cp: cannot stat 'website/sample3.xls': No such file or directory
whomsi@whomsi-virtual-machine:~$ cp website/docs/sample2.doc website/docs/sample3.pdf
website/sample3.xls website/
cp: cannot stat 'website/sample3.xls': No such file or directory
whomsi@whomsi-virtual-machine:~$ cp website/docs/sample2.doc website/docs/sample3.pdf
website/sample3.xls /website
cp: target '/website' is not a directory
whomsi@whomsi-virtual-machine:~$ cp website/docs/sample2.doc website/docs/sample3.pdf
website/sample3.xls ~/website
cp: cannot stat 'website/sample3.xls': No such file or directory
whomsi@whomsi-virtual-machine:~$ cp website/docs/sample2.doc website/docs/sample3.pdf
website/docs/sample3.xls ~/website
```

```
website
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample2.doc
│   ├── sample3.pdf
│   └── sample3.xls
├── index.html
├── sample2.doc
├── sample3.pdf
└── sample3.xls
```

2 directories, 9 files

```
whomsi@whomsi-virtual-machine:~$
```