

Weekly Report 5

What are command options?

- Command options are used to modify/enhance commands.

What are command arguments?

- Command arguments are used to control which items the command acts on such as a file or directory.

Which command is used for creating directories?

- The command used to create directories is 'mkdir'. It can be used to create a single or multiple directories.
 - Examples:
 - 'mkdir wallpapers'
 - 'mkdir wallpapers/new\ cars'
 - 'mkdir wallpapers/cars wallpapers/cities wallpapers/forest'

How do you remove a file?

- To remove a file you can use the following command: 'rm'
 - Example:
 - 'rm list.txt'

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

- To remove a directory you can use the following command: 'rm -r'.
 - Example: 'rm -r Downloads/games'
- In Linux and other Nix systems you cannot remove non-empty directories.

MV and CP commands

- The 'mv' command allows you to move and rename directories.
 - Examples:
 - To move a file:
 - 'mv Downloads/homework.pdf Documents/'
 - To rename a file:
 - 'mv homework.docx cis106homework.docx'
- The 'cp' command allows you to copy files/directories from a source to a destination.
 - Examples:
 - To copy a file:
 - 'cp Downloads/wallpapers.zip Pictures/'

- TO copy a directory:
 - 'cp -r ~/Downloads/wallpapers ~/Pictures/'

Practice 1

```

mramirez@cis106:~$ mkdir website
mramirez@cis106:~$ cd website
mramirez@cis106:~/website$ mkdir script assets
mramirez@cis106:~/website$ touch index.html
mramirez@cis106:~/website$ touch assets/image.png
mramirez@cis106:~/website$ touch scripts/script.js
touch: cannot touch 'scripts/script.js': No such file or directory
mramirez@cis106:~/website$ tree
.
├── assets
│   └── image.png
├── index.html
└── script

2 directories, 2 files
mramirez@cis106:~/website$ touch script/script.js
mramirez@cis106:~/website$ tree
.
├── assets
│   └── image.png
├── index.html
├── script
│   └── script.js
└──

2 directories, 3 files
mramirez@cis106:~/website$ rm script/script.js assets/image.png
mramirez@cis106:~/website$ rmdir scripts/ assets/
rmdir: failed to remove 'scripts/': No such file or directory
mramirez@cis106:~/website$ rmdir script/ assets/
rmdir: failed to remove '/assets/': No such file or directory
mramirez@cis106:~/website$ rmdir script/ assets/
rmdir: failed to remove 'script/': No such file or directory
rmdir: failed to remove 'assets/': No such file or directory
mramirez@cis106:~/website$ tree
.
└── index.html

0 directories, 1 file
mramirez@cis106:~/website$ cd ..
mramirez@cis106:~$ rm -r website/
mramirez@cis106:~$ _

```

Practice 2

```

1: mramirez@cis106:/usr/share ~
mramirez@cis106:~$ cd /usr/share
mramirez@cis106:/usr/share$ mkdir ~/website
mramirez@cis106:/usr/share$ mkdir ~/website/assets/images/small
mkdir: cannot create directory '/home/mramirez/website/assets/images/small': No such file or directory
mramirez@cis106:/usr/share$ mkdir -p ~/website/assets/images/small
mramirez@cis106:/usr/share$ touch ~/website/assets/images/small/logo.png
mramirez@cis106:/usr/share$ rm ~/website/assets/images/small/logo.png
mramirez@cis106:/usr/share$ rm -r ~/website
mramirez@cis106:/usr/share$ cd ~/website
bash: cd: /home/mramirez/website: No such file or directory
mramirez@cis106:/usr/share$

```

Practice 3

```

mramirez@cis106:~$ mkdir ~/website/assets
mkdir: cannot create directory '/home/mramirez/website/assets': No such file or directory
mramirez@cis106:~$ mkdir -p ~/website/assets
mramirez@cis106:~$ curl https://cis106.com/assets/sample.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 1589  0 --:--:-- --:--:-- --:--:-- 1596
mramirez@cis106:~$ mv ~/downloads/pexels-sadettin-dogan-19156891.jpg ~/website/assets
mv: cannot stat '/home/mramirez/downloads/pexels-sadettin-dogan-19156891.jpg': No such file or directory
mramirez@cis106:~$ mv ~/Downloads/pexels-sadettin-dogan-19156891.jpg ~/website/assets
mramirez@cis106:~$ mv ~/Downloads/pexels-q-hung-pham-10515651.jpg ~/website/assets
mramirez@cis106:~$ mv website/assets/pexels-q-hung-pham-10515651.jpg website/assets/image.png
mramirez@cis106:~$ mv website/assets/pexels-sadettin-dogan-19156891.jpg website/assets/image2.png
mramirez@cis106:~$ xdg-open website/index.html
mramirez@cis106:~$ Gtk-Message: 17:40:22.159: Not loading module "atk-bridge": The functionality is provided by GTK+ natively. Please try to not load it.
[6244, Main Thread] WARNING: GTK+ module /snap/firefox/3504/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.: 'glib warning', file /build/firefox/parts/firefox/build/toolkit/xre/nsSigHandlers.cpp:187

(Gtk+ 6244): Gtk-WARNING **: 17:40:22.479: GTK+ module /snap/firefox/3504/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: 17:40:22.479: Failed to load module "canberra-gtk-module"
[6244, Main Thread] WARNING: GTK+ module /snap/firefox/3504/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.: 'glib warning', file /build/firefox/parts/firefox/build/toolkit/xre/nsSigHandlers.cpp:187

(Gtk+ 6244): Gtk-WARNING **: 17:40:22.490: GTK+ module /snap/firefox/3504/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: 17:40:22.490: Failed to load module "canberra-gtk-module"
mramirez@cis106:~$

```

Practice 4

```
mramirez@cis106:~$ mkdir ~/website/docs
mramirez@cis106:~$ cp Downloads/sample1.doc website/docs/
mramirez@cis106:~$ cp Downloads/sample.pdf website/docs
cp: cannot stat 'Downloads/sample.pdf': No such file or directory
mramirez@cis106:~$ cp Downloads/sampel1.pdf website/docs/
cp: cannot stat 'Downloads/sampel1.pdf': No such file or directory
mramirez@cis106:~$ cp Downloads/sample1.pdf website/docs/
mramirez@cis106:~$ cp Downloads/sample1.xls website/docs/
mramirez@cis106:~$ tree website
website
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample1.doc
│   ├── sample1.pdf
│   └── sample1.xls
└── index.html

2 directories, 6 files
mramirez@cis106:~$
```

