

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/samplesite.txt -o ~/website/index.html
% Total    % Received % Xferd  Average Speed   Time   Time  Current
          Dload  Upload Total   Spent    Left Speed
100  372 100  372    0     0  1589  0:--:--:--:--:--:--:--: 1596
mramirez@cis106:~$ mv ~/downloads/pixels-sadettin-dogan-19156891.jpg ~/website/assets
mv: cannot stat '/home/mramirez/downloads/pixels-sadettin-dogan-19156891.jpg': No such file or directory
mramirez@cis106:~$ mv ~/Downloads/pixels-sadettin-dogan-19156891.jpg ~/website/assets
mramirez@cis106:~$ mv ~/Downloads/pixels-q-hung-pham-10515651.jpg ~/website/assets
mramirez@cis106:~$ mv website/assets/pixels-q-hung-pham-10515651.jpg website/assets/image.png
mramirez@cis106:~$ mv website/assets/pixels-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/parties/firefox/build/toolkit/xre/nsSigHandlers.cpp:187
(firefox: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/parties/firefox/build/toolkit/xre/nsSigHandlers.cpp:187
(firefox: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:~$
```

