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Week Report 5

Questions

- **What are Command Options?** Command options are used to modify or enhance the behavior of the command.

- **What are Command Arguments?** Command arguments are items the command acts on.

- **Which command is used for creating directories? Provide at least 3 examples.** The command used for making directories is `mkdir`.

  - Examples:
    - `mkdir wallpapers`
    - `mkdir wallpapers/ocean`
    - `mkdir videos/'gaming clips'`

- **What does the touch command do? Provide at least 3 examples.** The `touch` command creates files.

  - Examples:
    - `touch list`
    - `touch ~/Downloads/games.txt`
    - `touch "list of foods.txt"`

- **How do you remove a file? Provide an example.** The command for removing a file is `rm`.

  - Example:
    - `rm Downloads/games`

- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example.** The command to remove a directory is `rmdir`. Yes you can remove a non-empty directory and the command to remove it is `rm -r`.

  - Examples:
    - `rmdir Downloads/games`
    - `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 source is the file or directory you want to move and the destination is where the directory or file is going.

    - Formula:
      - mv + source + destination
    - Example:
      - `mv Downloads/homework.pdf Documents/`

- - - `mv games/ wallpapers/ rockmusic/ /media/student/flashdrive/`
  - The `cp` command copies files or directories from a source to a destination.
    - - Formula:
        - - cp + files to copy + destination
      - Example:
        - - `cp Downloads/wallpapers.zip Pictures/`
          - `sudo cp -r script.sh program.py home.html assets/ /var/www/html/`

Practice 1

```
daakwetee@cis106:~$ mkdir website
daakwetee@cis106:~$ mkdir website/script website/assets
daakwetee@cis106:~$ touch website/index.html
daakwetee@cis106:~$ touch assets/image.png
touch: cannot touch 'assets/image.png': No such file or directory
daakwetee@cis106:~$ touch website/assets/image.png
daakwetee@cis106:~$ touch website/script/script.js
```

```
daakwetee@cis106:~$ cd website/
daakwetee@cis106:~/website$ tree .
.
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

2 directories, 3 files
daakwetee@cis106:~/website$ rm script/script.js assets/image.png
daakwetee@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
daakwetee@cis106:~/website$ rmdir script/ assets/
daakwetee@cis106:~/website$ cd .
daakwetee@cis106:~/website$ cd ~
daakwetee@cis106:~$ rmdir website/
rmdir: failed to remove 'website/': Directory not empty
daakwetee@cis106:~$ rm -r website/
daakwetee@cis106:~$ █
```

Practice 2

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

Practice 3

```
daakwetee@cis106:~$ mkdir website
daakwetee@cis106:~$ mkdir website/assets
daakwetee@cis106:~$ 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   1990      0 --:--:-- --:--:-- --:--:--  2000
```

```
daakwetee@cis106:~$ mv Downloads/pexels-
pexels-kelcey-shotit-18766323.jpg  pexels-samira-mva-18254676.jpg
daakwetee@cis106:~$ mv Downloads/pexels-kelcey-shotit-18766323.jpg website/assets/
daakwetee@cis106:~$ mv Downloads/pexels-samira-mva-18254676.jpg website/assets/
daakwetee@cis106:~$ mv website/assets/pexels-kelcey-shotit-18766323.jpg website/assets/image.png
daakwetee@cis106:~$ mv website/assets/pexels-samira-mva-18254676.jpg website/assets/image2.png
daakwetee@cis106:~$ xdg-open website/index.html
daakwetee@cis106:~$ Gtk-Message: 00:03:03.115: Failed to load module "xapp-gtk3-module"
Gtk-Message: 00:03:03.115: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.

(firefox:24356): Gtk-WARNING **: 00:03:03.181: GTK+ module /snap/firefox/3290/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: 00:03:03.181: Failed to load module "canberra-gtk-module"

(firefox:24356): Gtk-WARNING **: 00:03:03.182: GTK+ module /snap/firefox/3290/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: 00:03:03.182: Failed to load module "canberra-gtk-module"
```

Practice 4

```
daakwetee@cis106:~$ mkdir website/docs
daakwetee@cis106:~$ cp Downloads/smaple
cp: missing destination file operand after 'Downloads/smaple'
Try 'cp --help' for more information.
daakwetee@cis106:~$ cp Downloads/sample
cp: missing destination file operand after 'Downloads/sample'
Try 'cp --help' for more information.
daakwetee@cis106:~$ cp Downloads/sample1.
sample1.doc  sample1.pdf  sample1.xls
daakwetee@cis106:~$ cp Downloads/sample1.
sample1.doc  sample1.pdf  sample1.xls
daakwetee@cis106:~$ cp Downloads/sample1.doc website/docs/
daakwetee@cis106:~$ cp Downloads/sample1.pdf website/docs/
daakwetee@cis106:~$ cp Downloads/sample1.xls website/docs/
daakwetee@cis106:~$ cd website
daakwetee@cis106:~/website$ tree .
.
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample1.doc
│   ├── sample1.pdf
│   └── sample1.xls
└── index.html

2 directories, 6 files
daakwetee@cis106:~/website$ █
```