

Week Report 5

Answer to questions:

- **What are Command Options?**

Command-line options are commands used to pass parameters to a program. These entries, also called command-line switches, can pass along cues for changing various settings or executing commands in an interface.

- **What are Command Arguments?** An argument, also called command line argument, can be defined as input given to a command line to process that input with the help of given command. Argument can be in the form of a file or directory.

Arguments are entered in the terminal or console after entering command. They can be set as a path. We can also write more than one argument together, they will be processed in the order they are written.

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

Example #1 `mkdir Background`

Example #2 `mkdir ~/Download/background`

Example #3 `mkdir -p ~/background/photos ~/background/abstract`

- **What does the touch command do? Provide at least 3 examples.**
- The `touch` command is used for creating files. See below examples:

Example #1 `touch datalist`

Example #2 `touch greys.png list1.txt WorkBook.pdf`

Example #3 `touch ~/datalist/list1.txt`

- **How do you remove a file? Provide an example.** To remove a file it is used `rm` command. For example, `rm datalist`.
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** To remove a directory it is used `rmdir` command. Also, a non-empty directory in Linux can be removed using `rm -r` command. Example, `rm -r Photos/abstractic`
- **Explain the mv and cp command. Provide at least 2 examples of each**

The `mv` command is used for move and rename directories. Example, `mv photos/abstractic Download`.

The `cp` command is used for copy. For example `cp photos/luz.png Download.luz2.png`

Practice 1

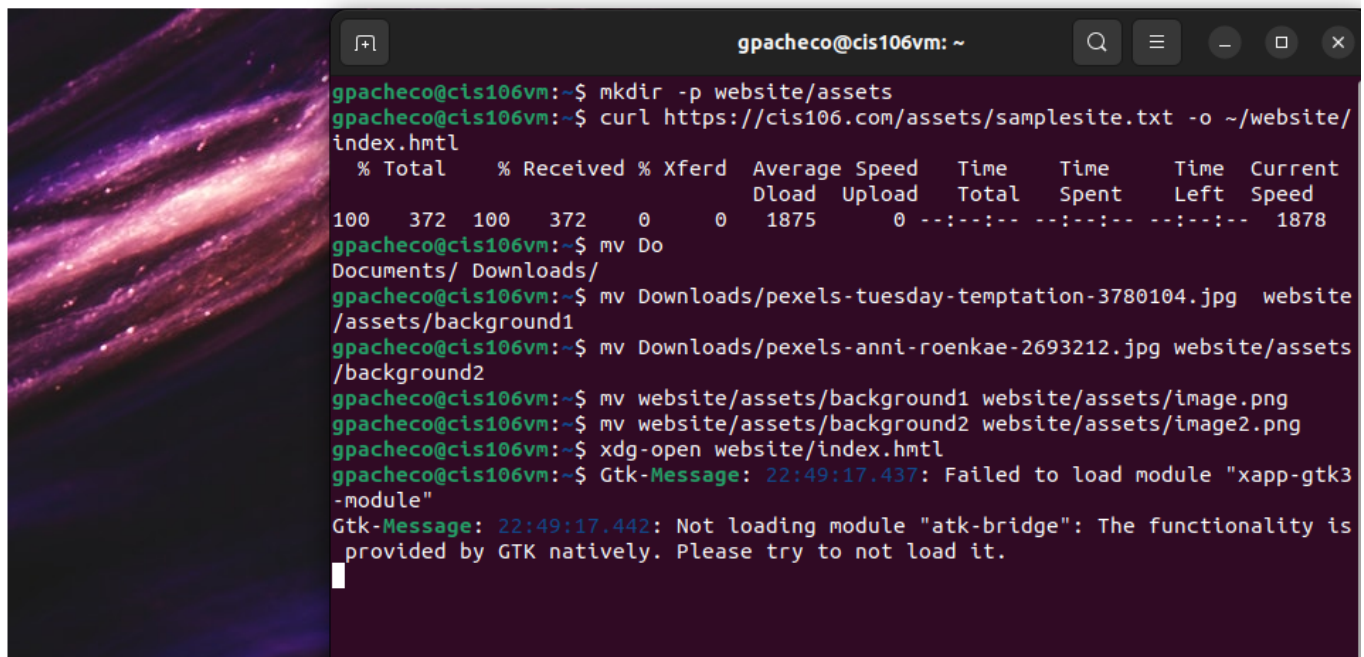
```
gpacheco@cis106vm: ~  
gpacheco@cis106vm:~$ mkdir website  
gpacheco@cis106vm:~$ cd website/  
gpacheco@cis106vm:~/website$ mkdir script assets  
gpacheco@cis106vm:~/website$ touch index.html  
gpacheco@cis106vm:~/website$ touch assets/image.png  
gpacheco@cis106vm:~/website$ touch script/script.js  
gpacheco@cis106vm:~/website$ tree .  
.  
├── assets  
│   └── image.png  
├── index.html  
└── script  
    └── script.js  
  
2 directories, 3 files  
gpacheco@cis106vm:~/website$ rm script/script.js  
gpacheco@cis106vm:~/website$ rm assets/image.png  
gpacheco@cis106vm:~/website$ rm -r script/ assets/  
gpacheco@cis106vm:~/website$ cd ../  
gpacheco@cis106vm:~$ rm -r website/  
gpacheco@cis106vm:~$
```

Practice 2

```
gpacheco@cis106vm: /usr/share  
gpacheco@cis106vm:~$ cd /usr/share  
gpacheco@cis106vm:/usr/share$ mkdir /home/gpacheco/website  
gpacheco@cis106vm:/usr/share$ mkdir /home/gpacheco/website/assets /home/gpacheco/  
/website/images /home/gpacheco/website/small  
gpacheco@cis106vm:/usr/share$ touch ~/website/logo.png ~/website/assets/logo.png  
~/website/images/logo.png ~/website/small/logo.png  
Command 'touch' not found, did you mean:  
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)  
Try: sudo apt install <deb name>  
gpacheco@cis106vm:/usr/share$ touch ~/website/logo.png ~/website/assets/logo.png  
~/website/images/logo.png ~/website/small/logo.png  
gpacheco@cis106vm:/usr/share$ rm ~/website/logo.png ~/website/assets/logo.png ~  
/website/images/logo.png ~/website/small/logo.png  
gpacheco@cis106vm:/usr/share$ rm -r ~/website/  
gpacheco@cis106vm:/usr/share$
```

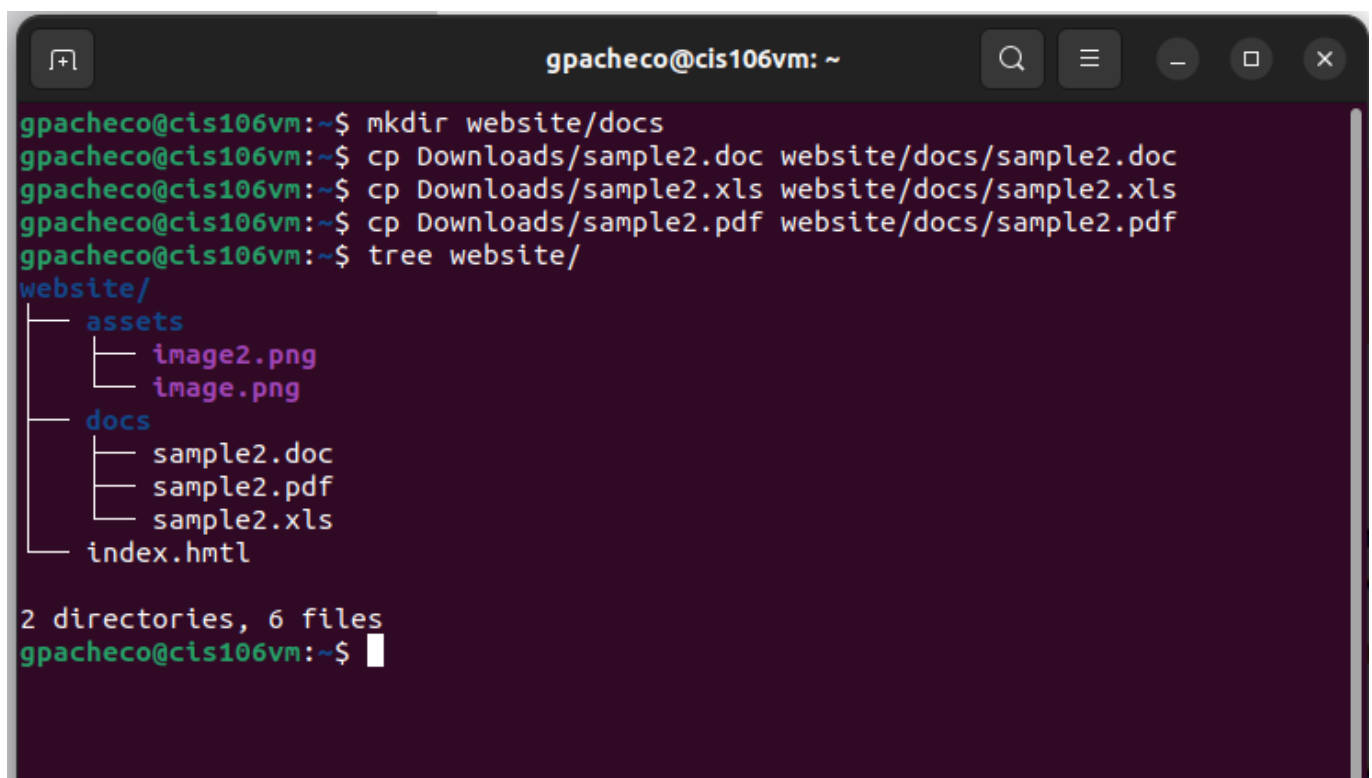
Practice 3

Sample site



```
gpacheco@cis106vm: ~  
gpacheco@cis106vm:~$ mkdir -p website/assets  
gpacheco@cis106vm:~$ 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  1875      0  --:--:-- --:--:-- --:--:-- 1878  
gpacheco@cis106vm:~$ mv Do  
Documents/ Downloads/  
gpacheco@cis106vm:~$ mv Downloads/pexels-tuesday-temptation-3780104.jpg website  
/assets/background1  
gpacheco@cis106vm:~$ mv Downloads/pexels-anni-roenkae-2693212.jpg website/assets  
/background2  
gpacheco@cis106vm:~$ mv website/assets/background1 website/assets/image.png  
gpacheco@cis106vm:~$ mv website/assets/background2 website/assets/image2.png  
gpacheco@cis106vm:~$ xdg-open website/index.html  
gpacheco@cis106vm:~$ Gtk-Message: 22:49:17.437: Failed to load module "xapp-gtk3  
-module"  
Gtk-Message: 22:49:17.442: Not loading module "atk-bridge": The functionality is  
provided by GTK natively. Please try to not load it.
```

Practice 4



```
gpacheco@cis106vm:~$ mkdir website/docs  
gpacheco@cis106vm:~$ cp Downloads/sample2.doc website/docs/sample2.doc  
gpacheco@cis106vm:~$ cp Downloads/sample2.xls website/docs/sample2.xls  
gpacheco@cis106vm:~$ cp Downloads/sample2.pdf website/docs/sample2.pdf  
gpacheco@cis106vm:~$ tree website/  
website/  
├── assets  
│   ├── image2.png  
│   └── image.png  
├── docs  
│   ├── sample2.doc  
│   ├── sample2.pdf  
│   └── sample2.xls  
└── index.html  
  
2 directories, 6 files  
gpacheco@cis106vm:~$
```