

Week Report 5

Answer To Questions

- **What are Command Options?** Command options are what change how the default command acts and how the output comes out.
- **What are Command Arguments?** Command arguments are what the command acts on.
- **Which command is used for creating directories? Provide at least 3 examples.** The command is mkdir.
 - example 1:
 - Create a directory: 'mkdir sports'
 - example 2:
 - Create multiple directories: 'mkdir sports ~/Downloads/basketball ~/Documents/softball'
 - example 3:
 - Create a directory with a special character: 'mkdir "Ace's Project" '
- **What does the touch command do? Provide at least 3 examples.** The touch command creates a blank file.
 - example 1:
 - Create a blank file: 'touch systems.txt'
 - example 2:
 - Create multiple files: 'touch cats.txt dogs.txt'
 - example 3:
 - Create file with a special character: 'touch "Destiny's Pets" '
- **How do you remove a file? Provide an example.** You used the rm command to remove a file.
 - example:
 - remove file: 'rm piano.txt'
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** You remove a directory by using the rmdir command. You can remove a non-empty directory by using the command rm -r.
 - example:
 - remove non-empty file: 'rm -r croissants'
- **Explain the mv and cp command. Provide at least 2 examples of each** The mv command moves files and directories to a new place and the cp command copies files and directories so they can be in multiple places.
 - move examples 1 and 2:
 - move a file: 'mv Downloads/animals.txt Documents/'
 - move a directory: 'mv Downloads/music/rap Music/'
 - copy examples 1 and 2:
 - copy a file: cp Documents/art.txt Downloads/
 - copy a directory: cp -r Documents/Art/ Downloads/

Practice 1

```
jhopkinswalker@cis106: ~
jhopkinswalker@cis106:~$ mkdir website
mkdir: cannot create directory 'website': File exists
jhopkinswalker@cis106:~$ cd website/
jhopkinswalker@cis106:~/website$ mkdir script assets
mkdir: cannot create directory 'script': File exists
mkdir: cannot create directory 'assets': File exists
jhopkinswalker@cis106:~/website$ touch index.html
jhopkinswalker@cis106:~/website$ touch assets/image.png
jhopkinswalker@cis106:~/website$ touch script/script.js
jhopkinswalker@cis106:~/website$ tree .
.
├── assets
│   └── image.png
├── index.html
├── index.thml
└── script
    └── assets
        └── script.js

3 directories, 4 files
jhopkinswalker@cis106:~/website$ rm script/script.js
jhopkinswalker@cis106:~/website$ rm assets/image.png
jhopkinswalker@cis106:~$ I did this in class thats why the tree looks like that and says files existed.
```

Practice 2

```
jhopkinswalker@cis106: /usr/share
jhopkinswalker@cis106:~$ cd /usr/share
jhopkinswalker@cis106:/usr/share$ mkdir ~/website
jhopkinswalker@cis106:/usr/share$ mkdir -p ~/website/assets/images/small
jhopkinswalker@cis106:/usr/share$ touch ~/website/assets/images/small/logo.png
jhopkinswalker@cis106:/usr/share$ rm logo.png
rm: cannot remove 'logo.png': No such file or directory
jhopkinswalker@cis106:/usr/share$ rm ~/website/assets/images/small/logo.png
jhopkinswalker@cis106:/usr/share$ rm -r ~/website/
jhopkinswalker@cis106:/usr/share$
```

Practice 3

```
jhopkinswalker@cis106: /usr/share
jhopkinswalker@cis106:/usr/share$ mkdir -p ~/website/assets
jhopkinswalker@cis106:/usr/share$ 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 1858 0 --:--:-- --:--:-- --:--:-- 1869
jhopkinswalker@cis106:/usr/share$ mv ~/Downloads/pexels-photo-8525189.jpeg ~/website/assets
mv: cannot move '/home/jhopkinswalker/Downloads/pexels-photo-8525189.jpeg' to '/home/jhopkinswalker/Website/assets': No such file or directory
jhopkinswalker@cis106:/usr/share$ mv ~/Downloads/free-photo-of-a-person-walking-across-the-street-with-a-shadow.jpeg ~/website/assets/
jhopkinswalker@cis106:/usr/share$ mv ~/website/pexels-photo-8525189.jpeg ~/website/image.png
mv: cannot stat '/home/jhopkinswalker/website/pexels-photo-8525189.jpeg': No such file or directory
jhopkinswalker@cis106:/usr/share$ mv ~/website/assets/pexels-photo-8525189.jpeg ~/website/assets/image.png
jhopkinswalker@cis106:/usr/share$ mv ~/website/assets/free-photo-of-a-person-walking-across-the-street-with-a-shadow.jpeg ~/website/assets/image2.png
jhopkinswalker@cis106:/usr/share$ # yes i see the images on the page. screenshot attached
```

Practice 3 | Moving and Renaming Files

1. Create a directory called **website** in your home directory. Inside the **website** directory, create a directory called **assets**.
2. Run this command:
`curl https://cis106.com/assets/samplesite.txt -o ~/website/index.html`
3. Download two images from the site: pexels.com
4. Move the images from the **Download** directory to the **website/assets** directory
5. Rename the images using the name convention: **image.png** and **image2.png**
6. Open the file **index.html** located inside the **website** directory. Do you see the images in the page?

Practice 4

```
jhopkinswalker@cis106: ~  
jhopkinswalker@cis106:~$ mkdir website/docs  
jhopkinswalker@cis106:~$ cp ~/website/{sample2.doc/sample3.xls/sample1.pdf} ~/website/docs  
cp: cannot stat '/home/jhopkinswalker/website/{sample2.doc/sample3.xls/sample1.pdf}': No such file or directory  
jhopkinswalker@cis106:~$ cp ~/Downloads/{sample2.doc/sample3.xls/sample1.pdf} ~/website/docs  
cp: cannot stat '/home/jhopkinswalker/Downloads/{sample2.doc/sample3.xls/sample1.pdf}': No such file or directory  
jhopkinswalker@cis106:~$ cp ~/Downloads/sample2.doc sample3.xls sample1.pdf ~/website/docs  
cp: cannot stat 'sample3.xls': No such file or directory  
cp: cannot stat 'sample1.pdf': No such file or directory  
jhopkinswalker@cis106:~$ cp Downloads/sample2.doc ~/website/docs  
jhopkinswalker@cis106:~$ cp Downloads/sample3.xls ~/website/docs  
jhopkinswalker@cis106:~$ cp Do  
Documents/ Dog/ Downloads/  
jhopkinswalker@cis106:~$ cp Downloads/sample1.pdf ~/website/docs  
jhopkinswalker@cis106:~$ tree website  
website  
├── assets  
│   ├── image2.png  
│   └── image.png  
├── docs  
│   ├── sample1.pdf  
│   ├── sample2.doc  
│   └── sample3.xls  
└── index.html  
  
2 directories, 6 files  
jhopkinswalker@cis106:~$
```