

Week Report 5

Questions and Answers

- **What are Command Options?** A single letter or full word that is used with a command, that modifies or enhances it in some way.
- **What are Command Arguments?** Arguments define what the command acts on. Can be a file or directory. Alternate definition: A file name or other data that is provided to a command in order for the command to use it as an input.
- **Which command is used for creating directories? Provide at least 3 examples.** Command: mkdir
 - example 1:
 - Create a directory: 'mkdir toyota'
 - example 2:
 - Create a directory and create parent directories as needed: 'mkdir -p cars/toyota/gt86.txt'
 - example 3:
 - Create a directory using absolute path: 'mkdir /home/jdpaz/Desktop/ZeldaGames'
- **What does the touch command do? Provide at least 3 examples.** The touch command updates any given file's timestamp. If the file does not exist, it creates it.
 - example 1:
 - Create a file: 'touch batman.txt'
 - example 2:
 - Create a file using absolute path: 'touch /usr/bin/gotham.txt'
 - example 3:
 - Create several files: 'touch joker.txt robin.py alfred.log'
- **How do you remove a file? Provide an example.** To remove a file, you would use the 'rm' command.
 - example:
 - Remove a file: rm scarecrow.txt
- **How do you remove a directory and can you remove non-empty directories in Linux? Provide an example** To remove an empty directory, you would use the 'rmdir' command. To remove non-empty directories, you would use 'rm -r'
 - example 1:

- Remove an empty directory: 'rmdir metropolis'
- example 2:
 - Remove a non-empty directory: 'rm -r atlantis'
- **Explain the mv and cp command. Provide at least 2 examples of each**

The 'mv' command moves files and directories from one directory to another or renames a file or directory

- examples:
 - Move a file to a directory using relative path: mv Documents/essay.doc Desktop/
 - Move multiple directories to a different directory: mv music/ videos/ lyrics/ /media/student/flashdrive/

The 'cp' command copies files and directories from a source to a destination.

- examples:
 - Copy a file: cp Downloads/book.pdf Desktop/
 - Copy the content of a directory to another directory: cp Downloads/books/* ~/Desktop/

Practice 1

```
jdpaz@cis106vm ~$ mkdir website
jdpaz@cis106vm ~$ cd website
jdpaz@cis106vm website$ mkdir script assets
jdpaz@cis106vm website$ touch index.html
jdpaz@cis106vm website$ cd assets/
jdpaz@cis106vm assets$ touch image.png
jdpaz@cis106vm assets$ cd ..
jdpaz@cis106vm website$ cd script/
jdpaz@cis106vm script$ touch script.js
jdpaz@cis106vm script$ tree ~/website/
/home/jdpaz/website/
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js

2 directories, 3 files
jdpaz@cis106vm script$ cd ..
jdpaz@cis106vm website$ rm script/script.js assets/image.png
jdpaz@cis106vm website$ rmdir script assets
jdpaz@cis106vm website$ cd ..
jdpaz@cis106vm ~$ rm -r website
jdpaz@cis106vm ~$
```

Practice 2

```

jdpaz@cis106vm ~$ cd /usr/share
jdpaz@cis106vm share$ mkdir ~/website
jdpaz@cis106vm share$ mkdir -p ~/website/assets/images/small
jdpaz@cis106vm share$ touch ~/website/assets/images/small/logo.png
jdpaz@cis106vm share$ rm ~/website/assets/images/small/logo.png
jdpaz@cis106vm share$ rm -r ~/website/
jdpaz@cis106vm share$

```

Practice 3

```

jdpaz@cis106vm ~$ mkdir website
jdpaz@cis106vm ~$ mkdir website/assets
jdpaz@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 0 745 0 --:--:-- --:--:-- --:--:-- 746
jdpaz@cis106vm ~$ mv Downloads/pexels* website/assets/
jdpaz@cis106vm ~$ ls website/assets/
pexels-alirio-jose-valdivieso-rodriguez-12706707.jpg pexels-luis-guevara-14368743.jpg
jdpaz@cis106vm ~$ mv website/assets/pexels-alirio-jose-valdivieso-rodriguez-12706707.jpg website/assets/image.png
jdpaz@cis106vm ~$ mv website/assets/pexels-luis-guevara-14368743.jpg website/assets/image2.png
jdpaz@cis106vm ~$ ls website/assets/
image2.png image.png
jdpaz@cis106vm ~$

```

Practice 4

```

jdpaz@cis106vm ~$ mkdir website/docs
jdpaz@cis106vm ~$ ls Downloads/
code_1.75.0-1675266613_amd64.deb  FiraMono  paz.txt  question4.png
file1                             games     question1.1.png  sample1.doc
file2                             Gohu     question1.2.png  sample1.pdf
file2link                        lab4files.zip  question2.png    sample1.xls
FiraCode                        logs      question3.png
jdpaz@cis106vm ~$ cp Downloads/sample.* website/docs/
cp: cannot stat 'Downloads/sample.*': No such file or directory
jdpaz@cis106vm ~$ cp Downloads/sample* website/docs/
jdpaz@cis106vm ~$ tree website/
website/
├── assets
│   ├── image2.png
│   └── image.png
├── docs
│   ├── sample1.doc
│   ├── sample1.pdf
│   └── sample1.xls
└── index.html

2 directories, 6 files
jdpaz@cis106vm ~$

```