

Week Report 5

What are command Options?

Command options are used to modify/enhance the command's behavior.

What are command arguments?

Command arguments are the inputs/items on which the command acts on.

| Question | Definition | Usage | Example |
|--|--|---|---|
| Which command is used for creating directories? Provide at least 3 examples. | <code>mkdir</code> is a command used for creating a single directories or multiple directories. | To create a directory with <code>mkdir</code> type: <code>mkdir + the name of the directory</code> | <pre>- mkdir -p website/assets/{img,videos,music} - mkdir pictures - mkdir school</pre> |
| What does the touch command do? Provide at least 3 examples. | <code>touch</code> is a command used to create files and updates the given file's timestamp. If the file does not exit, it creates a new file | To create a file type: <code>touch + the name of the file</code> | <pre>- touch shopping_lists.txt - touch doc1.docx - touch slides.ppt</pre> |
| How do you remove a file? Provide and example. | <code>rm</code> is a command to used remove files. | To remove a file type: <code>rm + file to be removed</code> | <pre>- rm website/index.html - rm website/assets/image.png - rm shopping_lists.txt</pre> |
| How can you remove a directory and can you remove a non-empty directory in Linux? Provide an example. | <code>rmdir</code> is a command used to remove empty directories. <code>rmdir</code> by default does not remove NON-empty directories. To remove a NON-empty directory use <code>-r</code> option. | To remove empty directories use <code>rmdir + directory to be removed</code> . To remove a non-empty directory type: <code>rm -r + directory to be removed</code> | <pre>- rm -r website/assets/music/ - rmdir pictures/</pre> |

| Question | Definition | Usage | Example |
|---|---|--|---|
| Explain the mv command. Provide at least 2 examples of each. | <code>mv</code> is a command use to move and rename directories. Where source is the file or directory that you want to move and destination is where the directory or file is going. Both, source and destination can be either absolute or relative path. | The basic formula of the <code>mv</code> command is: <code>mv + source + destination</code> | To move a file of a directory to another directory use: <code>- mv /Downloads/week5.md cis106-spring/week5</code> <code>- mv ~/Downloads/Photos ~/Pictures/</code> |
| Explain the cp command. Provide at least 2 examples of each. | <code>cp</code> is a command used to copy file/directories from a source to a destination. | The <code>cp</code> command uses the same structure as the <code>mv</code> command: <code>cp + file/directory to copy + destination</code> | <code>- cp /Downloads/wallpapers/ Pictures/wallpapers/</code> <code>- cp Downloads/sample1.docx website/docs/</code> |

Practice

• Practice 1

```

inoquendoosorio@cis106vm: ~
inoquendoosorio@cis106vm:~$ mkdir website
inoquendoosorio@cis106vm:~$ mkdir website/script website/assets
inoquendoosorio@cis106vm:~$ touch website/index.html
inoquendoosorio@cis106vm:~$ touch website/assets/image.png
inoquendoosorio@cis106vm:~$ touch website/script/script.js
inoquendoosorio@cis106vm:~$ tree website/
website/
├── assets
│   └── image.png
├── index.html
└── script
    └── script.js
inoquendoosorio@cis106vm:~$ rm website/script/script.js website/assets/image.png
inoquendoosorio@cis106vm:~$ rm -r website/script/ website/assets/
inoquendoosorio@cis106vm:~$ rm -r website/
inoquendoosorio@cis106vm:~$

```

- Practice 2

```
inoquendoosorio@cis106vm: /usr/share

inoquendoosorio@cis106vm:~$ cd /usr/share/
inoquendoosorio@cis106vm:/usr/share$ mkdir ~/website
inoquendoosorio@cis106vm:/usr/share$ mkdir -p ~/website/assets/image/small
inoquendoosorio@cis106vm:/usr/share$ touch ~/website/assets/image/small/logo.png
inoquendoosorio@cis106vm:/usr/share$ rm ~/website/assets/image/small/logo.png
inoquendoosorio@cis106vm:/usr/share$ rm -r ~/website/
inoquendoosorio@cis106vm:/usr/share$
```

- Practice 3

```
inoquendoosorio@cis106vm: ~

inoquendoosorio@cis106vm:~$ mkdir -p website/assets
inoquendoosorio@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  1582      0  --:--:-- --:--:-- --:--:-- 1582
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-
mv: missing destination file operand after 'Downloads/pexels-photo-'
Try 'mv --help' for more information.
inoquendoosorio@cis106vm:~$ mv Downloads/pexels
mv: missing destination file operand after 'Downloads/pexels'
Try 'mv --help' for more information.
inoquendoosorio@cis106vm:~$ ls Downloads/pexels-photo-
ls: cannot access 'Downloads/pexels-photo-': No such file or directory
inoquendoosorio@cis106vm:~$ ls Downloads/
final-sp22-passwordprotected.zip
'Lecture 01_Introduction to Forensic Science.odp'
'Lecture 01_Introduction to Forensic Science.pptx'
'Lecture 02_Crime Scene Investigation.odp'
'Lecture 02_Crime Scene Investigation.pptx'
'Linux Workshop Ubuntu Software installation cheat sheet.png'
pexels-photo-10162701.jpeg
pexels-photo-11519194.jpeg
pexels-photo-7478593.jpeg
'Spring 22 Final(Isaac).pdf'
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-10162701.jpeg website/assets/
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-11519194.jpeg website/assets/
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-7478593.jpeg website/assets/
```

```
inoquendoosorio@cis106vm: ~  
pexels-photo-10162701.jpeg  
pexels-photo-11519194.jpeg  
pexels-photo-7478593.jpeg  
'Spring 22 Final(Isaac).pdf'  
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-10162701.jpeg website/assets/  
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-11519194.jpeg website/assets/  
inoquendoosorio@cis106vm:~$ mv Downloads/pexels-photo-7478593.jpeg website/assets/  
inoquendoosorio@cis106vm:~$ ls website/assets/  
pexels-photo-10162701.jpeg pexels-photo-11519194.jpeg pexels-photo-7478593.jpeg  
inoquendoosorio@cis106vm:~$ mv website/assets/pexels-photo-10162701.jpeg website/assets/image.png  
inoquendoosorio@cis106vm:~$ mv website/assets/pexels-photo-11519194.jpeg website/assets/image2.png  
inoquendoosorio@cis106vm:~$ ls website/assets/  
image2.png image.png pexels-photo-7478593.jpeg  
inoquendoosorio@cis106vm:~$ xdg -open website/index.html  
  
Command 'xdg' not found, did you mean:  
  
command 'xdx' from deb xdx (2.5.0-2)  
command 'xdu' from deb xdu (3.0-20)  
command 'xd' from deb xd (3.29.00-2)  
command 'xdo' from deb xdo (0.5.7-1)  
command 'xdm' from deb xdm (1:1.1.11-3ubuntu2)  
  
Try: sudo apt install <deb name>  
  
inoquendoosorio@cis106vm:~$ xdg-open website/index.html  
inoquendoosorio@cis106vm:~$
```

- Practice 4

```
inoquendoosorio@cis106vm: ~  
inoquendoosorio@cis106vm:~$ mkdir website/docs  
inoquendoosorio@cis106vm:~$ cp Downloads/sample1.docx website/docs/  
inoquendoosorio@cis106vm:~$ cp Downloads/sample2.xls website/docs/  
inoquendoosorio@cis106vm:~$ cp Downloads/sample3.pdf website/docs/  
inoquendoosorio@cis106vm:~$ tree website/docs/  
website/docs/  
├── sample1.docx  
├── sample2.xls  
└── sample3.pdf  
  
0 directories, 3 files  
inoquendoosorio@cis106vm:~$
```