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Semester: Fall 22  
Course: cis106
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Week Report 5

What are Command Options?

Options modify or enhance the commands behavior.

What are Command Arguments?

Arguments are the items open which the command acts on.

Which command is used for creating directories? Provide at least 3 examples.

The mkdir command is used for creating directories. To create a directory use this formula: `mkdir + directory name`

Examples:

- Create a directory in the present working directory
 - `mkdir + wallpapers`
- Create a directory in a different directory sing relative path
 - `mkdir wallpapers/ocean`
- Create a directory in a different directory using absolute path
 - `mkdir ~/wallpapers/forest`

What does the touch command do? Provide at least 3 examples.

The touch command is used for creating files.

Examples

- To create a filed called list
 - `touch list`
- To create several files
 - `touch list_of_cars.txt script/py names.csv`
- To create a file sing absolute path
 - `touch ~/Downloads/games.txt`

How do you remove a file? Provide an example.

The rm command removes files.

Example

- remove a file
 - `rm list`

How do you remove a directory and can you remove non-empty directories in Linux? Provide an example

To remove a directory use `rm` with the `-r` option. To remove empty directories use the `rmdir` command.

Examples

- remove an empty directory
 - `rmdir Downloads/games`
- remove a non-empty directory
 - `rm -r Downloads/games`

Explain the mv and cp command. Provide at least 2 examples of each

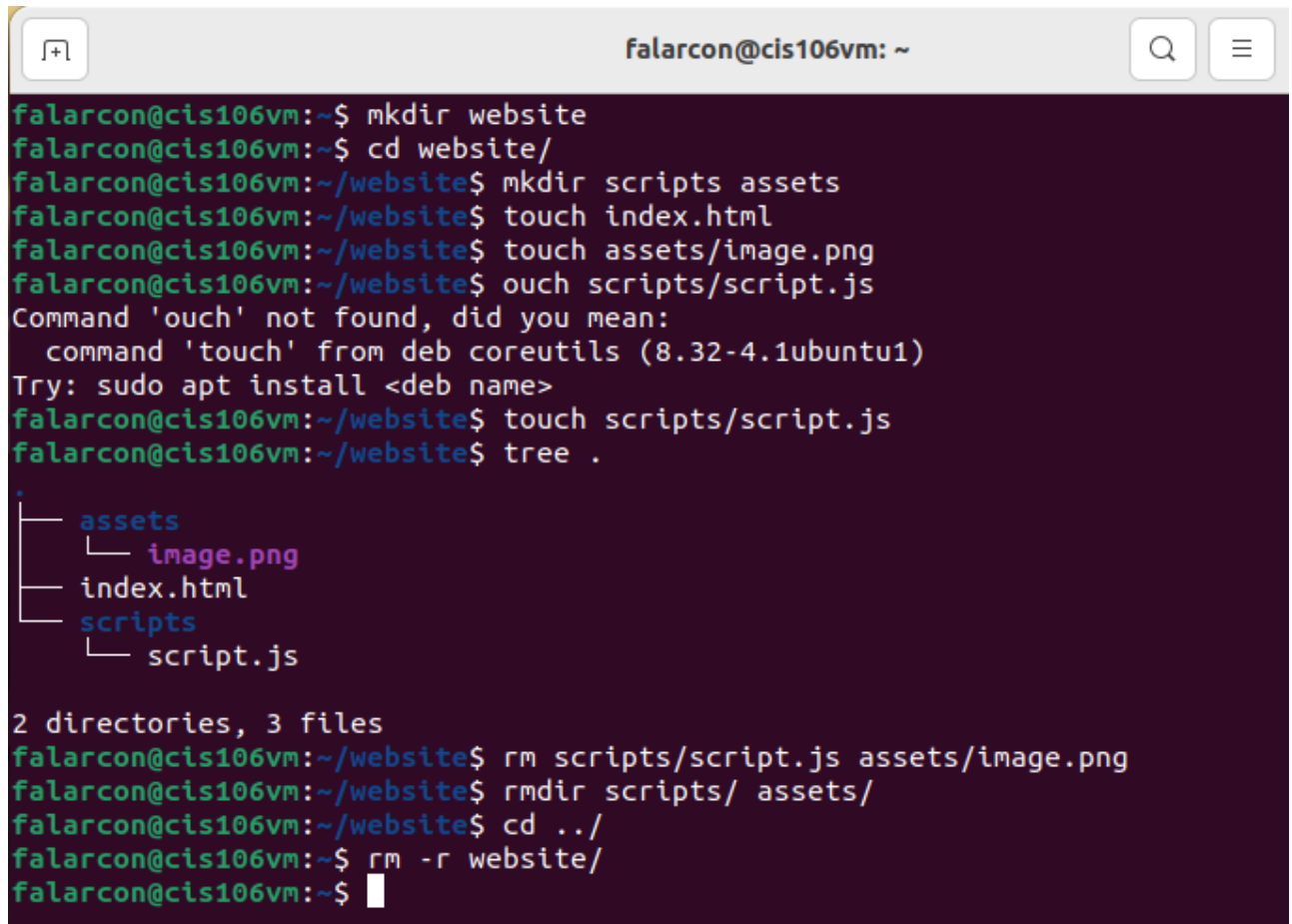
The `mv` command moves and renames directories. The formula is `mv + source + destination`. For renaming files/directories the formula is `mv + file/directory to rename + new name`. The `cp` command copies files/directories from a source to a destination. The formula is `cp + files to copy + destination`. To copy directories you must use the `-r` option `cp -r + directory to copy + destination`.

Examples

- To move a file from a directory to another using relative path
 - `mv Downloads/homework.pdf Documents/`
- To rename a file
 - `mv homework.docx cis106homework.docx`
- To copy a file
 - `cp Downloads/wallpapers.zip Pictures/`
- To copy a directory with absolute path
 - `cp -r ~/Downloads/wallpapers ~/Pictures/`

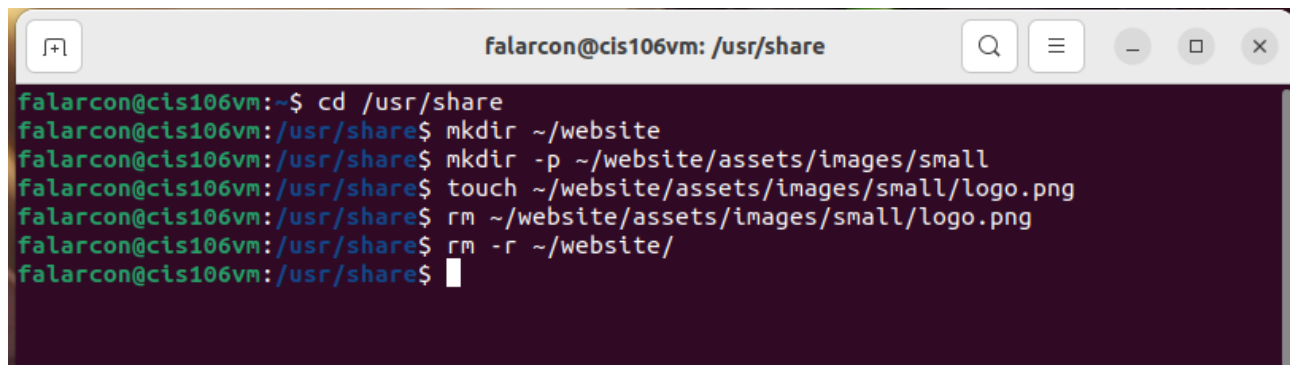
Practice

- Practice 1



```
falarcon@cis106vm: ~  
falarcon@cis106vm:~$ mkdir website  
falarcon@cis106vm:~$ cd website/  
falarcon@cis106vm:~/website$ mkdir scripts assets  
falarcon@cis106vm:~/website$ touch index.html  
falarcon@cis106vm:~/website$ touch assets/image.png  
falarcon@cis106vm:~/website$ ouch scripts/script.js  
Command 'ouch' not found, did you mean:  
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)  
Try: sudo apt install <deb name>  
falarcon@cis106vm:~/website$ touch scripts/script.js  
falarcon@cis106vm:~/website$ tree .  
.  
├── assets  
│   └── image.png  
├── index.html  
└── scripts  
    └── script.js  
  
2 directories, 3 files  
falarcon@cis106vm:~/website$ rm scripts/script.js assets/image.png  
falarcon@cis106vm:~/website$ rmdir scripts/ assets/  
falarcon@cis106vm:~/website$ cd ../  
falarcon@cis106vm:~$ rm -r website/  
falarcon@cis106vm:~$
```

- Practice 2



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

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- Practice 3

```
falarcon@cis106vm: ~  
falarcon@cis106vm:~$ mkdir -p website/assets  
falarcon@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  2429      0 --:--:-- --:--:-- --:--:-- 2447  
falarcon@cis106vm:~$ mv Downloads/pexels-  
mv: missing destination file operand after 'Downloads/pexels-'  
Try 'mv --help' for more information.  
falarcon@cis106vm:~$ mv Downloads/pexels-francesco-ungaro-96938.jpg website/assets/  
falarcon@cis106vm:~$ mv Downloads/pexels-ricardo-oliveira-13952413.jpg website/assets/  
falarcon@cis106vm:~$ mv website/assets/pexels-francesco-ungaro-96938.jpg website/assets/  
image.png  
falarcon@cis106vm:~$ mv website/assets/pexels-ricardo-oliveira-13952413.jpg website/as  
sets/image2.png  
falarcon@cis106vm:~$ xdg-open website/index.html  
falarcon@cis106vm:~$
```

- Practice 4

```
falarcon@cis106vm: ~  
falarcon@cis106vm:~$ mkdir website/docs  
falarcon@cis106vm:~$ cp Downloads/sample  
cp: missing destination file operand after 'Downloads/sample'  
Try 'cp --help' for more information.  
falarcon@cis106vm:~$ cp Downloads/sample1.doc website/docs/  
falarcon@cis106vm:~$ cp Downloads/sample1.pdf website/docs/  
falarcon@cis106vm:~$ cp Downloads/sample1.xls website/docs/  
falarcon@cis106vm:~$ tree website/  
website/  
├── assets  
│   ├── image2.png  
│   └── image.png  
├── docs  
│   ├── sample1.doc  
│   ├── sample1.pdf  
│   └── sample1.xls  
└── index.html  
  
2 directories, 6 files  
falarcon@cis106vm:~$
```