Notes 4

Defintions of the following commands:

mkdir

- Usage:

    - Is used for creating a single directory or multiple directories

- Formula:

    - `mkdir` + *The name of the directory*

- Examples:

    - `mkdir -v`
        - Displays a message for every directory created.
    - `mkdir [directory_name]`
        - To create a single directory
    - `mkdir [directory_name_1] [directory_name_2] [directory_name_3]` ...
        - To create multiple directories at once

touch

- Usage:

    - Used for creating files

- Formula:

    - `touch [file_name]`

- Examples:

    - `touch list`
        - To create a file called list
    - `touch [file_name_1] [file_name_2] [file_name_3]`...
        - To create several files
    - `touch ~/Downloads/games.txt`
        - To create a file using absolute path

rm

- Usage:

    - Removes files

- Formula:

  - `rm -r` + *directory name or directory absolute path*

- Examples:

  - `rm list`
    - Remove a file
  - `rm -i list`
    - Remove a file and prompt confirmation before removal
  - `rm -r Downloads/games`
    - Remove a non-empty directory

`rmdir`

- Usage:

  - Removing empty directories

- Formula:

  - `rmdir [option] + [directory]`

- Examples:

  - `rmdir [mydir1] + [mydir2] + [mydir3]`
    - Removes multiple directories
  - `rmdir -p LINUX/mydir1/mydir2/mydir3`
    - Command to delete a directory, including all the subdirectories
  - `rmdir -v [dir1] [dir2] [dir3]`
    - Displays a message after removing the directory

`mv`

- Usage:

  - Moves and renames directories

- Formula:

  - `mv` + *source* + *destination*

- Examples:

  - `mv Downloads/homework.pdf Documents/`
    - To move a file from a directory to another using relative path
  - `sudo mv ~/Downloads/theme /usr/share/themes`
    - To move a directory from one directory to another using absolute path

- `mv games/ wallpapers/ rockmusic/ /media/student/flashdrive/`
  - To move multiple directories/files to a different directory
- `mv homework.docx cis106homework.docx`
  - To rename a file

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cp

- Usage:

  - Copies files/directories from a source to a destination

- Formula:

  - `cp` + *files to copy* + *destination*

- Examples:

  - `cp Downloads/wallpapers.zip Pictures/`
    - To copy a file
  - `cp -r ~/Downloads/wallpapers ~/Pictures/`
    - To copy a directory with absolute path
  - `cp Downloads/wallpapers/* ~/Pictures/`
    - To copy the content of a directory to another directory

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file

- Usage:

  - Determines the file type of a file

- Formula:

  - `file` + *filename*

- Examples:

  - `file -b [filename]`
    - Display the file type without file name
  - `file *`
    - Displays the all files's file type
  - `file directoryname/*`
    - Display all files filetypes in particular directory