Notes 3: Managing Files and Directories

mkdir

- **Usage**
  - Is used for creating a single directory or multiple directories.
- **Formula**
  - `mkdir + the name of the directory`
- **Examples**
  - Create a directory in the present working directory.
    - `mkdir wallpapers`
  - Create a directory in a different directory using relative path.
    - `mkdir wallpapers/ocean`
  - Create a directory in a different directory using absolute path.
    - `mkdir ~/wallpapers/forest`
  - Create a directory with a space in the name.
    - `mkdir wallpapers/new\ cars`
    - `mkdir wallpapers/'cities usa'`
  - Create a directory with a single quote in the name.
    - `mkdir wallpapers/"majora's mask"`
  - Create multiple directories.
    - `mkdir wallpapers/cars wallpapers/cities wallpapers/forest`

touch

- **Usage**
  - Touch is used for creating files.
- **Formula**
  - `touch + "name of file"`
- **Examples**
  - To create a list
    - `touch list`
  - To create several files:
    - `touch list_of_cars.txt script.py names.csv`
  - To create a file using absolute path:
    - `touch ~/Downloads/games.txt`
  - To create a file using relative path/
    - `touch Downloads/games2.txt`
  - To create a file with a space in its name.
    - `touch "list fo foods.txt"`

rm + rmdir

- **Usage**
  - removes files.
- **Formula**

- `rm + directory name`
- `rmdir + directory name`
- **Examples**
  - To remove empty directories
    - `rmdir + directory name`
  - To remove non-empty directories
    - `rm r- + directory name`

mv

- **Usage**
  - Moves ans renames directories.
- **Formula**
  - `mv + source + destination`
- **Examples**
  - For renaming files/directories
    - `mv + file/directory to rename + new name`
  - To move a directory using absolute path
    - `sudo mv ~/Downloads/theme /usr/share/themes`
  - To move a directory using relative path
    - `mv Downloads/homework.pdf Documents/`

cp

- **Usage**
  - Copies files/directories from a source to a destination.
- **Formula**
  - `cp + files to copy + destination`**`cp -r + directory to copy + destination`**

file

- **Usage**
  - Determines the file type of a file.
- **Examples**
  - Displays file type
    - `file file name`
  - Displays file type without file name
    - `file -b + file name`

pdfinfo

- **Usage**
  - displays information about pdf files.
- **Formula**
  - `pdfinfo filename.pdf`

mediainfo

- **Usage**
    - Command line utility to display info about audio/video files.
- **Formula**
    - `mv + source + destination`
- **Examples**
    - Display info about a media file.
        - `mediainfo example.png`
    - Display full info of a media file
        - `mediainfo -f example.png`

exiv2

- **Usage**
    - Image metadata manipulation tool.
- **Formula**
    - `exiv2 [option] [action] [file]`
- **Examples**
    - Displays info about an image file.
        - `exiv2 example.png`
    - Display all exif datat about an image file.
        - `exiv2 -pt example.png`

exiftool

- **Usage**
    - Read and write meta information in files.
- **Installation**
    - sudo apt install libimage-exiftool-perl
- **Formula**
    - see man page
- **Examples**
    - Display info about a file.
        - `exiftool example.png`