

Notes 5

• mkdir

- Usage
 - creating a single directory or multiple directories.
- Formula
 - `mkdir + directory name`
- Examples
 - Create a directory in the present working directory
 - `mkdir wallpapers`
 - Create a directory using relative path
 - `mkdir wallpapers/ocean`
 - Create a directory with a space in the name
 - a. `mkdir wallpapers/new\ cars`
 - b. `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`
 - Create a directory with a parent directory at the same time
 - `mkdir -p wallpapers_others/movies`

• touch

- Usage
 - creating files
- Formula
 - `touch + file name`
- Examples
 - Create a file called list
 - `touch list`
 - Create several files
 - `touch list_of_cars.txt script.py names.csv`
 - Create a file using absolute path
 - `touch ~/Downloads/games.txt`
 - Create a file using relative path
 - `touch Downloads/games2.txt`
 - Create a file with a space in the name
 - `touch "list of foods.txt"`

• rm

- Usage
 - removing files

- Formula
 - `rm + file`
- Examples
 - Remove a file
 - `rm list`
 - Remove a file and prompt confirmation before removal
 - `rm -i list`
 - Remove all the files inside a directory and ask before removing more than 3 files
 - `rm -I Downloads/games/*`

• rmdir

- Usage
 - removing directories
- Formula
 - `rm -r + path to directory`
- Examples
 - Remove an empty directory
 - `rmdir Downloads/games`
 - Remove a non-empty directory
 - `rm -r Downloads/games`

• mv

- Usage
 - moving and renaming directories
- Formula
 - `mv + source + destination`
- Examples (Moving)
 - Move a file from one directory to another using relative path
 - `mv Downloads/homework.pdf Documents/`
 - Move a file from one directory to another using absolute path
 - `sudo mv ~/Downloads/them /usr/share/themes`
 - Move a file from one directory to another combining absolute and relative path
 - `mv Downloads/english_homework.docx /media/student/flashdrive/`
 - Move multiple directories/files to a different directory
 - `mv games/ wallpapers/ rockmusic/ /media/student/flashdrive/`
- Examples (renaming)
 - Rename a file
 - `mv homework.docx cis106homework.docx`
 - Rename a file using absolute path
 - `mv ~/Downloads/homework.docx ~/Downloads/cis106homework.docx`
 - Move and rename a file in the same command
 - `mv Downloads/cis106homework.docx Documents/new_cis106homework.docx`

• cp

- Usage
 - copying files/directories from a source to a destination
- Formula
 - `cp + files to copy + destination`
 - (to copy directories) `cp -r + directory to copy + destination`
- Examples
 - Copy a file
 - `cp Downloads/wallpapers.zip Pictures/`
 - Copy a directory with absolute path
 - `cp -r ~/Downloads/wallpapers ~/Pictures/`
 - Copy the content of a directory to another directory
 - ``cp Downloads/wallpapers/* ~/Pictures/`
 - Copy multiple files in a single command
 - `sudo cp -r script.sh program.py home.html assets/
/var/www/html/`

• file

- Usage
 - determining the file type of a file
- Formula
 - `file + filename`
- Examples
 - Display file type without a name
 - `file -b filename`