Week Report 5

Definitions

Command	Description	Syntax	Examples
mkdir	Creates a single or multiple directories	mkdir + name of directory	mkdir wallpapers
touch	Creates files	touch + filename	touch list
rm	Removes files	rm + filename	rm list
rmdir	Remove empty directories	rmdir + directory name	rmdir wallpapers
mv	Moves and renames directories	mv + source + destination	mv Downloads/cat.png Documents/
cp	Copies files/directories	cp + files to copy + destination	cp Downloads/wallpapers.zip Pictures/
ln	Create a hard link	ln + file + destination	ln file ~/Downloads/fileHL
man	Shows the manual for commands	man + command	man ls

Brace expansion

Using Brace Expansion

- Brace expansion {} is not a wildcard but another feature of bash that allows you to generate arbitrary strings to use with commands.
- For example,
  - To create a whole directory structure in a single command:
    - ```
      mkdir -p music/{jazz,rock}/{mp3files,vidoes,oggfiles}/new{1..3}
      ```
  - To create a N number of files use:
    - ```
      touch website{1..5}.html
      ```
    - ```
      touch file{A..Z}.txt
      ```
    - ```
      touch file{001..10}.py
      ```
    - ```
      touch file{{a..z},{0..10}}.js
      ```
  - Remove multiple files in a single directory
    - ```
      rm -r {dir1,dir2,dir3,file.txt,file.py}
      ```