Notes6

* Wildcard

- matches 0 to any number of characters

* examples

- list all of the directories inside a given directory without listing their content
    - `ls -1d wildcard_extra_practice/*/`
- move all the .sh (shell scripts) files
    - `mv wildcard_extra_practice/*.sh wildcard_extra_practice/scripts/`
- list all the image files in the directory
    - `ls wildcard_extra_practice/img-*.*`

? Wildcard

- matches 1 character

* examples

- List all the files that contain a 4 letter file extension.
- `ls -1X wildcard_extra_practice/*.????`
- List all the files that contain a 4 letter file extension and start with letter i:
    - `ls -1X wildcard_extra_practice/i*.????`
- List all th files Microsoft Office 365 files.
    - `ls -1X wildcard_extra_practice/*.???x`

[] Wildcard

- matches 1 character from a set

* examples

- List all the files that start with a capital letter
    - `ls wildcard_extra_practice/[A-Z]*`
- List all the files that contain a number in their name
    - `ls wildcard_extra_practice/[0-9]`
- List all the files that start with a lowercase letter
    - `ls wildcard_extra_practice/[a-z]*`

{} Wildcard

- Allows you to generate arbitrary strings to use with commands.

* examples

- Make entire directory in a command

-     ○ `mkdir -p music/{jazz,rock}/{mp3files,video,oggfiles}`
- Create number of files
  - ○ `touch file{A..Z}.txt`
- remove multiple files from a single directory
  - ○ `rm -r {dir1,dir2,dir3}`