```
Name: Fiorella Alarcon
Semester: Fall 22
Course: cis106
```

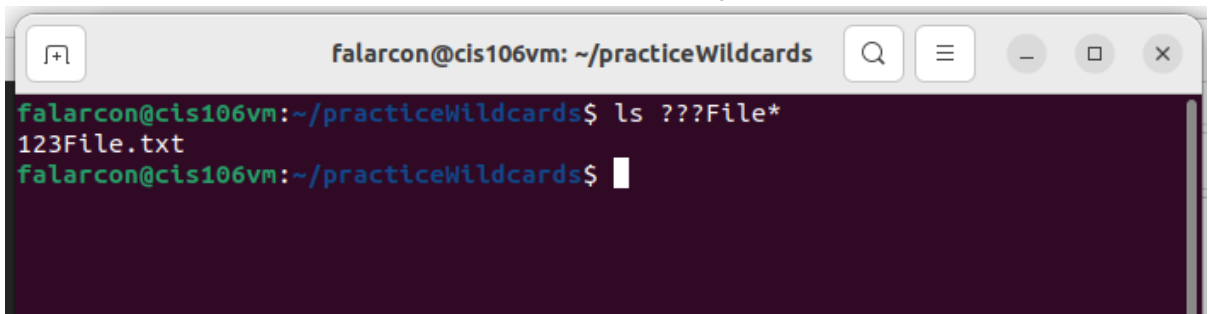# Week Report 6

Wildcards

* Wildcard

The * wildcard matches from 0 to any number of characters.

- Examples:
    - List all the text file in a directory
        - `ls *.txt`
    - List all the files that start with the word file
        - `ls file`
    - Copy all the mp4 files
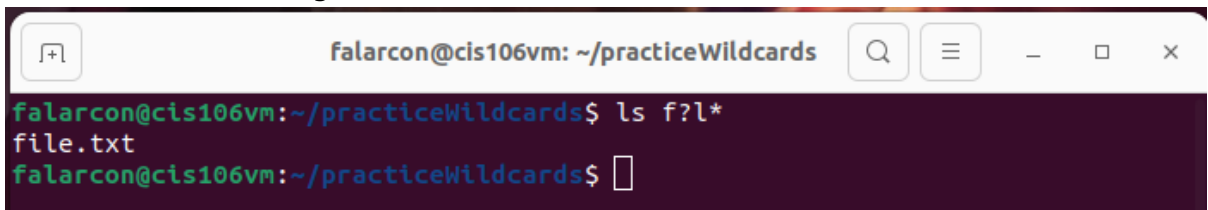   - `cp Downloads/*.mp4 ~/Videos/Movies/`

? Wildcard

The ? wildcard matches a single character.

- Examples:
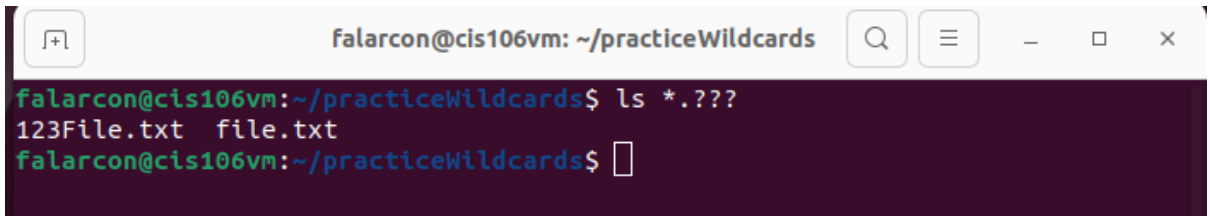   - list all the files that have 3 characters and are followed by the word file in the name

    - list all the files that a single character between letter f and l

○ list all the files that a have a 3 letter extension

```
falarcon@cis106vm:~/practiceWildcards$ ls *.???
123File.txt   file.txt
falarcon@cis106vm:~/practiceWildcards$
```

[] Wildcard

The [] wildcard ach a single character in a range. Uses the exclamation mark to reverse the match.

- Examples:
  - to match all files that have a vowel after letter f

```
falarcon@cis106vm:~/practiceWildcards$ ls f[aeiou]*
file.txt
falarcon@cis106vm:~/practiceWildcards$
```
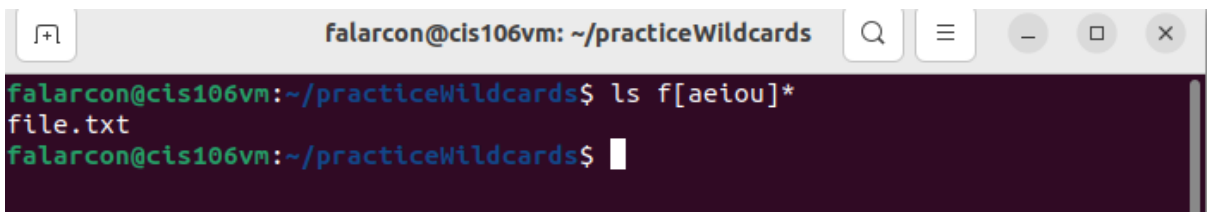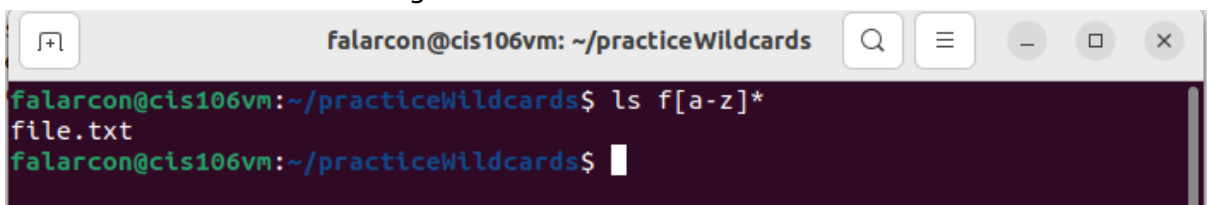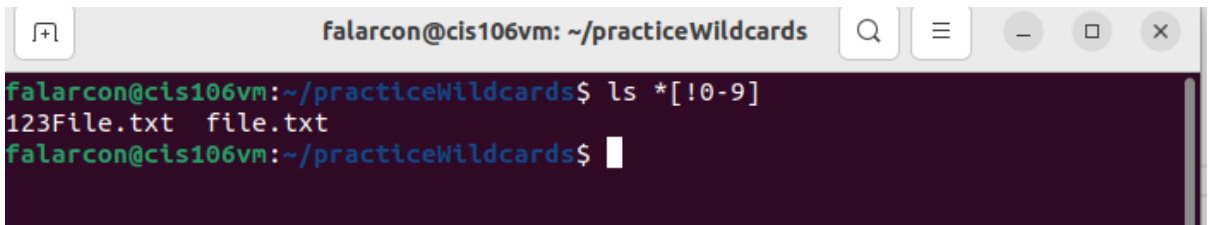
  - to match all files that have a range of letters after f:

```
falarcon@cis106vm:~/practiceWildcards$ ls f[a-z]*
file.txt
falarcon@cis106vm:~/practiceWildcards$
```

  - to match all the files whose name does not have a number in their file name:
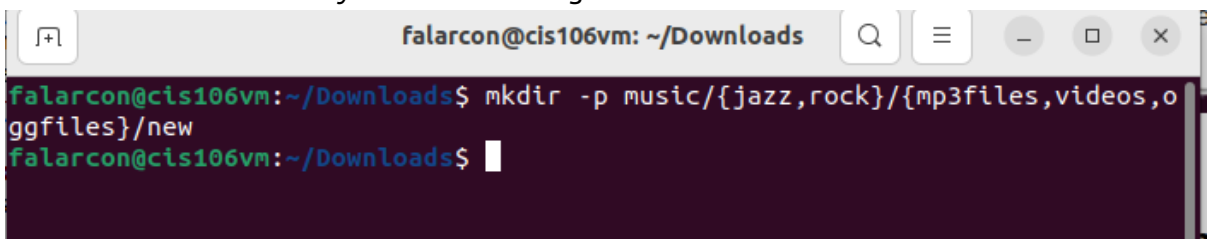
```
falarcon@cis106vm:~/practiceWildcards$ ls *[!0-9]
123File.txt   file.txt
falarcon@cis106vm:~/practiceWildcards$
```

Brace Expansion

Brace expansion is not a wildcard but another feature of bash that allows you to generate arbitrary strings to use with commands.

- Examples
  - To create a whole directory structure in a single command:

```
falarcon@cis106vm:~/Downloads$ mkdir -p music/{jazz,rock}/{mp3files,videos,o
ggfiles}/new
falarcon@cis106vm:~/Downloads$
```

- To create a N number of files

- to remove multiple files in a single directory

Practice

Practice

Practice file error downloading.

```
falarcon@cis106vm:~$ curl -s https://cis106.com/assets/wildcardpracice.sh | bash
bash: line 1: syntax error near unexpected token `<'
bash: line 1: `<!DOCTYPE html> <html lang="en-US"> <head> <meta charset="UTF-8"> <me
ta http-equiv="X-UA-Compatible" content="IE=Edge"> <title> - Linux Fundamentals</tit
le> <link rel="shortcut icon" href="/favicon.ico" type="image/x-icon"> <link rel="st
ylesheet" href="/assets/css/just-the-docs-default.css"> <script src="/assets/js/vend
or/lunr.min.js"></script> <script src="/assets/js/just-the-docs.js"></script> <meta
name="viewport" content="width=device-width, initial-scale=1"> <!-- Begin Jekyll SEO
 tag v2.8.0 --> <title>Linux Fundamentals | Here you will find all the information a
bout CIS 106 Linux fundamentals.</title> <meta name="generator" content="Jekyll v3.9
```