

Week Report 6

Wildcards .

* Wildcard

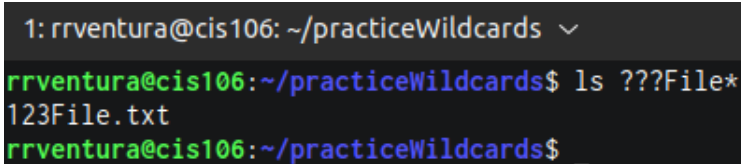
The * wildcard matches from 0 to any number of characters.

- 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/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 the name



```
1: rrventura@cis106: ~/practiceWildcards
rrventura@cis106:~/practiceWildcards$ ls ???File*
123File.txt
rrventura@cis106:~/practiceWildcards$ _
```

[] wildcard

The [] wildcard match a single character in range.

- Examples:
 - The all the text file in a directory that a vowel after f.
 - 'ls f[aeiou]*
 - List all the files that start with the word file.
 - ls f[a-z]*
 - Breakdown an example:

- 'ls -l do[0-9].doc/

```
1: rrventura@cis106: ~/practicewildcards ▾
rrventura@cis106:~/practicewildcards$ ls [a-z]*.???
file.txt
rrventura@cis106:~/practicewildcards$ ls [A-Z]*[0-9]*
ls: cannot access '[A-Z]*[0-9]*': No such file or directory
rrventura@cis106:~/practicewildcards$ ls [0-9][0-9][0-9][0-9]*
ls: cannot access '[0-9][0-9][0-9][0-9]*': No such file or directory
rrventura@cis106:~/practicewildcards$ ls [!AEIOUaeiou]*
123file.txt  file.txt
rrventura@cis106:~/practicewildcards$ ls [[:punct:]]*
ls: cannot access '[[:punct:]]*': No such file or directory
rrventura@cis106:~/practicewildcards$
```

Brace Expansion

Brace expansion {} is not a wildcard but another feature of bash that allows you to generate a binary string to use with commands. * The all the text file in directory structure in a single command:

- `mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}/new{1..3}`

```
1: rrventura@cis106: ~/Downloads ▾
rrventura@cis106:~$ cd Downloads
rrventura@cis106:~/Downloads$ mkdir -p music/{jazz,rock}/mp3files,videos,oggfiles}/new
rrventura@cis106:~/Downloads$ tree music/
music/
├── jazz
│   ├── mp3files,videos,oggfiles}
│   └── new
└── rock
    ├── mp3files,videos,oggfiles}
    └── new

6 directories, 0 files
rrventura@cis106:~/Downloads$ _
```