

# Week Report 6

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## Wildcards.

### \* Wildcard

the \* wildcard matches from 0 to any number of characters.

\*Example:

\*List all the text file in a directory

- `ls file*`
- List all the files that start with the word file
- `ls file*`
- Copy all the mp4 files
- `cp Downloads/*.mp ~/Videos/Movies/`

```
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ ls ***/
'file**/':

'files02**/':
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$
```

### ? Wildcard

The wildcard matches a single character

- Example
- List all the files that have 3 characters and are followed by the words files in the name

```
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ touch [aa.aa]* [ee.ee]*
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ ls [aa.aa]* [ee.ee]*
'[ee.ee]*'

'[aa.aa]*':
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$
```

### ▣ wildcard

- The brackets wildcard match a single character in a range
- the brackets wildcard use the exclamation mark to reverse the match.
- For example
- `ls f[aeiou]* ls E[cars!]* , ls [computer-]* ls [0-55]*`

```
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ touch [aa.aa]* [ee.ee]*
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ ls [aa.aa]* [ee.ee]*
'[ee.ee]*'

'[aa.aa]*':
edlantigua@edlantigua-VirtualBox:~/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. also Brace expansion and wildcard characters can be combined in Linux to generate a list of filenames or other strings based on patterns.
- For example `file{1..3}.txt` `file{1..3}`. `file{A..z}.js`

```
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ mkdir -p p music/{jazz,piano}/{mp3files.videos,oggfiles}/new
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$ tree music/
music/
├── jazz
│   ├── mp3files.videos
│   │   └── new
│   └── oggfiles
│       └── new
└── piano
    ├── mp3files.videos
    │   └── new
    └── oggfiles
        └── new

10 directories, 0 files
edlantigua@edlantigua-VirtualBox:~/practiceWildcards$
```