week6.md 4/11/2022

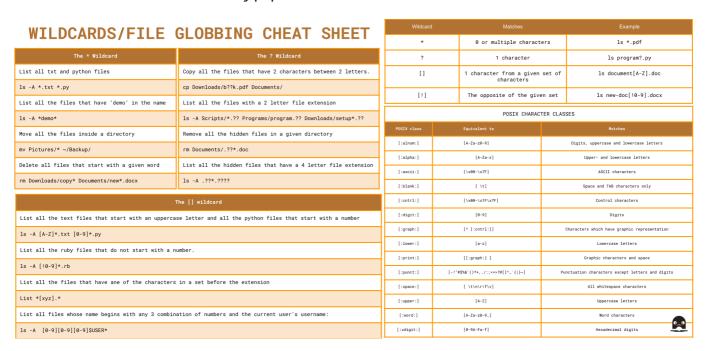
Wildcards

Wildcard represents letters and characters used to specify a file name for searches. They are officially called meta character wildcards. You can use a wildcard to get a long list of all files in the current directory starting with "new."

Their are 3 Wildcards *, ?, and [] each have their own use in the filesystem.

Wildcard	Description
*	Matches zero or more characters in a filename
?	Matches any one character in a filename
[acf]	Matches one of multiple characters in a filename; in this example, a, c, or f
[a-f]	Matches one of a range of characters in a filename; in this example, any character from a through f
[!a-f]	Matches filenames that don't contain a specified range of characters; in this example, filenames that don't contain a through f

This is a cheat sheet that shows many popular uses for the Wildcards.



Brace Expansion and how to use it

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

week6.md 4/11/2022

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}

