notes4.md 2024-04-07

* Wildcard

Definition:

A star alone matches anything and nothing and matches any number of characters

Example:

- 1s *.txt lists all the files that end in .txt
- 1s *.txt *.pdf lists all the files that end in .txt and .pdf
- 1s file.* lists all the files that start with the string "file." regardless of their file extension

? WIldcard

Definition:

Matches precisely one character

Example:

- 1s ./.??* lists all the hidden files in the current directory
- 1s b??k* lists all the files that have 2 characters between letters b and k
- 1s *.??? lists all the files that have a 3 letter file extension

[] Wildcard

Definition:

The brackets wildcard match a single character in a range

Example:

- 1s f[aeiou] * matches all files that have a vowel after letter f
- 1s f[!aeiou] * matches all files that do not have vowel after letter f
- 1s f[a-z] * matches all files that have a range of letters after f

{} Brace Expansion

Definition:

Is not a wildcard but another feature of bash that allows you to generate arbitrary strings to use with commands

Example:

- mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}/new{1..3} Creates a whole directory structure in a single command
- touch website{1..5}.html Creates a N number if files use
- rm -r {dir1, dir2, dir3, file.txt, file.py} Removes multiple files in a single directory