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Notes 4

Wildcards

* Wildcard

The asterisk(*) wildcard matches any number of characters (including zero) in a filename.

- Examples
 - 1s *.txt: Lists all files with the ".txt" extension.
 - 1s file*.: Lists all files starting with "file".
 - 1s *123*: Lists all files containing "123" anywhere in the filename.

? Wildcard

The question mark(?) wildcard matches exactly one character in a filename.

- Examples
 - file?.txt: Matches files like "file1.txt", "fileA.txt", etc., where "?" can be any single
 - 1s ./.??*: Lists all the hidden files in the current directory.
 - 1s *.???: Lists all files with a three letter file extension.

[] Wildcard

The bracket([]) wildcard matches any one of the characters enclosed within the brackets.

- Examples
 - 1s f[aeiou] *: Lists all files that include a vowel after the letter f.
 - 1s f[a-z]*: Lists all files that have a range of letters after f.
 - 1s *[0-9]*: Lists files with at least one number in its name.

Brace Expansion

Brace expansion({}) is a feature available in many Unix-like shells, such as Bash, that allows you to generate strings based on patterns or lists.

- Examples
 - echo {a,b,c}: Generates "a", "b", and "c".
 - echo file{1..3}.txt: Generates "file1.txt", "file2.txt", and "file3.txt".
 - echo {apples,bananas}_{red,green}: Generates "apples_red", "apples_green",
 "bananas_red", "bananas_green".