

Globbering

- * → any string including a zero length string
- [] → a single char in the class
- [^] → negated class
- ? → any single char - but not a "." at the start
- { } → list
- ^ → neg glob - DRW
- ~ → home dir /home/?:
- [# ls {santos, shea, stevens}.txt]

* Is globbing part of C library?

* `ls *jpg .xyz` ⇒ shell (bash, tcsh)
char * ↑
(a string)
(runs a parser)

ls
cmd
(builtin)
or
(external)

*jpg .xyz
arguments

* Parser splits it up on spaces

* argv[0] is the cmd (ls)

* Arguments are checked for meta characters
→ goes in current dir. & checks for matches for glob

*jpg
↓
ls 0.jpg santos.jpg .xyz
argv[0], [1], [2], [3]
Exec()

argv[0] ⇒ ls

argv[1] ⇒ *jpg .xyz

*ls ' *jpg .xyz '

drops quotes, but just returns the entire string literal

*ls -l --color *
(short) option
(long, gnu) option

Question: * : can be zero chars
? : has to be one char

[*ls_?xyz_.xyz]

*ls *xyz* //any containing xyz

*in order to match a hidden file, explicitly say (dot)xyz

*ls [0-9].jpg

[0123456789].jpg

[a-z].jpg //Case sensitive

[a-z0-9].jpg //5 char filename

*if you put , - it'll match , !

*goes by ASCII table!

*For dashes: beginning or end:

[-0-9].jpg

[*[^0-9].xyz → No .xyz]

Manuals:

*man man

// 9 binders for 9 sections

*man 3 printf // will find printf() c func.

[ls -lShr ^{reverse order} // middle mouse pastes, highlight copies
 ↑ ↑ ↑
 long sort by human
 size

[rmdir
 // removes empty dirs. only

[*rm -f
 ↑
 forcibly remove

[rm -rf
 ↑
 forcibly recursively

Pi

lists them [foreach f (*jpg) // iterates over list of filenames
 echo \$f
 end

*sed is a stream editor

[foreach f (*jpg)
 set n=`echo \$f | sed -e 's/\.*jpg/.png/'`
 echo \$f \$n
 end

[[the first three lines above]
 gm convert -resize 10%
 end] // create thumbnails

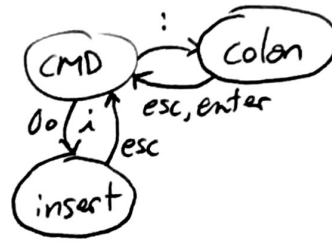
*file is great @ showing info

*MZ is initials of doc engineer

*ls -R // shows subdirectories

*mkdir -p x/y/z // subdirectories

Vim



Modes:

- 1) CMD
- 2) INSERT
- 3) COLON

[check out
/proc]

- y - yank
- p - paste
- 10p - 10 copies
- G - bottom of file
- o - new line
- cw - change word
- x - saves : quits (or wq)
- ci - change inside quotes
- / - search (n for next, N for previous)

h j k l
the to type writers

[/proc # cat cpuinfo | ...]

* hardware appears as a file in linux/unix
//open, close, etc.

* cd / is the root
⇒ /root is the root user

/lost+found/

* etc/ ⇒ system config. files

* bin/ ⇒ essential commands to get it booted