tree Directory tree listing

CONCEPTS

tree skips dotfiles unless you pass -a, and prints a count of directories and files at the end.

Walk -L, -a, -x, -I
↓ filter
Filter -P, -I, --prune
↓ sort
Sort -t, -r, --dirsfirst
↓ decorate
Print -h, -p, -D, -J, -H

-P and -I take shell-style globs, not regexes; separate alternatives with | and quote the pattern.

LISTING

tree
Print the current directory as a tree

tree *<dir>* **...**
Several directories at once

tree -L *<n>*
Descend at most n levels

tree -a
Show hidden files too

tree -d
List directories only

tree -f
Print the full path of each entry

tree -l
Follow symlinks to directories

tree -x
Stay on one filesystem

tree --noreport
Omit the final count line

tree --filelimit *<n>*
Skip dirs holding more than n entries

tree -i
No indentation lines (flat list)

FILTERING

tree -I '*<glob>***'**
Hide matching files and dirs

tree -I 'node_modules|dist'
Hide several names

tree -P '*<glob>***'**
Show only matching files

tree -P '*.py' --prune
Matching files, no empty dirs

tree --gitignore
Apply .gitignore rules

tree --prune
Drop empty directories

DETAILS

tree -h
Human-readable sizes

tree -s
Sizes in bytes

tree --du
Directory totals (implies -s)

tree -p
Show permissions

tree -D
Show modification date

SORTING

tree --dirsfirst
Directories before files

tree -t
Sort by modification time

tree -r
Reverse the order

tree --sort *<key>*
name, size, mtime, ctime, version, none

OUTPUT

tree -J
JSON output