

LS(1) User Commands LS(1)

NAME

ls - list directory contents

SYNOPSIS

ls [OPTION]... [FILE]...

DESCRIPTION

List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.

-a, --all

do not ignore entries starting with .

-A, --almost-all

do not list implied . and ..

--author

with -l, print the author of each file

-b, --escape

print C-style escapes for nongraphic characters

--block-size=SIZE

with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see SIZE format below

-B, --ignore-backups

do not list implied entries ending with

-c with -lt : sort by, and show, ctime (time of last modification of file status information); with -l : show ctime and sort by name; otherwise : sort by ctime, newest first

-C list entries by columns

--color[=WHEN]

colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more info below

-d, --directory

list directories themselves, not their contents

-D, -dired
 generate output designed for Emacs' dired mode

-f do not sort, enable -aU, disable -ls -color

-F, -classify
 append indicator (one of */=ı@—) to entries

-file-type
 likewise, except do not append '*'

-format=WORD
 across -x, commas -m, horizontal -x, long -l, single-column -l, verbose -l, vertical -C

-full-time
 like -l -time-style=full-iso

-g like -l, but do not list owner

-group-directories-first
 group directories before files;

can be augmented with a -sort option, but any use of -sort=none (-U) disables grouping

-G, -no-group
 in a long listing, don't print group names

-h, -human-readable
 with -l and -s, print sizes like 1K 234M 2G etc.

-si likewise, but use powers of 1000 not 1024

-H, -dereference-command-line
 follow symbolic links listed on the command line

-dereference-command-line-symlink-to-dir
 follow each command line symbolic link

that points to a directory

-hide=PATTERN
 do not list implied entries matching shell PATTERN (overridden by -a or -A)

-hyperlink[=WHEN]

hyperlink file names; WHEN can be 'always' (default if omitted), 'auto', or 'never'

-indicator-style=WORD

append indicator with style WORD to entry names : none (default), slash (-p), file-type (-file-type), classify (-F)

-i, -inode

print the index number of each file

-I, -ignore=PATTERN

do not list implied entries matching shell PATTERN

-k, -kibibytes

default to 1024-byte blocks for disk usage; used only with -s and per directory totals

-l use a long listing format

-L, -dereference

when showing file information for a symbolic link, show information for the file the link references rather than for the link itself

-m fill width with a comma separated list of entries

-n, -numeric-uid-gid

like -l, but list numeric user and group IDs

-N, -literal

print entry names without quoting

-o like -l, but do not list group information

-p, -indicator-style=slash

append / indicator to directories

-q, -hide-control-chars

print ? instead of nongraphic characters

-show-control-chars

show nongraphic characters as-is (the default, unless program is 'ls' and output is a terminal)

-Q, -quote-name

enclose entry names in double quotes

`-quoting-style=WORD`
 use quoting style `WORD` for entry names : literal, locale, shell, shell-always,
 shell-escape, shell-escape-always, c, escape (overrides `QUOTING_STYLEenvironmentvariable`)

`-r, --reverse`
reverse order while sorting

`-R, --recursive`
list subdirectories recursively

`-s, --size`
print the allocated size of each file, in blocks

`-S` *sort by file size, largest first*

`--sort = WORD`
sort by `WORD` instead of name : none(-U), size(-S), time(-t), version(-v), extension(-X)

`--time = WORD`
*change the default of using modification times; `accesstime(-u)` : atime, access, use; `changetime(-c)` :
 ctime, status; `birthtime` : birth, creation;*

with `-l`, `WORD` determines which time to show; with `--sort = time`, sort by `WORD` (newest first)

`--time - style = TIME_STYLE`
time/date format with `-l`; see `TIME_STYLE` below

`-t` *sort by time, newest first; see `--time`*

`-T, --tabsize = COLS`
assume tab stops at each `COLS` instead of 8

*`-u` with `-lt` : sort by, and show, access time; with `-l` : show access time and sort by name; otherwise :
 sort by access time, newest first*

`-U` *do not sort; list entries in directory order*

`-v` *natural sort of (version) numbers with in text*

`-w, --width = COLS`
set output width to `COLS`. 0 means no limit

`-x` *list entries by lines instead of by columns*

`-X` *sort alphabetically by entry extension*

