LS

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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 */=>@|) to entries

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

--format=*WORD* across **-x**, commas **-m**, horizontal **-x**, long **-l**, single-column **-1**, 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_STYLE environment variable)

-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* with **-l**, show time as WORD instead of default modification time: atime or access or use (**-u**); ctime or status (**-c**); also use specified time as sort key if **--sort**=*time* (newest first)

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

-t sort by modification time, newest first

-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 within 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

-Z, --context print any security context of each file

-1 list one file per line. Avoid '\n' with **-q** or **-b**

--help display this help and exit

--version output version information and exit

The SIZE argument is an integer and optional unit (example: 10K is 10*1024). Units are K,M,G,T,P,E,Z,Y (powers of 1024) or KB,MB,... (powers of 1000).

The TIME_STYLE argument can be full-iso, long-iso, iso, locale, or +FORMAT. FORMAT is interpreted like in date(1). If FORMAT is FORMAT1<newline>FORMAT2, then FORMAT1 applies to non-recent files and FORMAT2 to recent files. TIME_STYLE prefixed with 'posix-' takes effect only outside the POSIX locale. Also the TIME_STYLE environment variable sets the default style to use.

Using color to distinguish file types is disabled both by default and with **--color**=*never*. With **--color**=*auto*, ls emits color codes only when standard output is connected to a terminal. The LS_COLORS environment variable can change the settings. Use the dircolors command to set it.

Exit status:

0 if OK,

1 if minor problems (e.g., cannot access subdirectory),

2 if serious trouble (e.g., cannot access command-line argument).

AUTHOR

Written by Richard M. Stallman and David MacKenzie.

REPORTING BUGS

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report ls translation bugs to <https://translationproject.org/team/>

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SEE ALSO

Full documentation at: <https://www.gnu.org/software/coreutils/ls>
or available locally via: info '(coreutils) ls invocation'