File: /home/changpzh/Desktop/ls User Commands LS(1) LS(1) NAME ls - list directory contents **SYNOPSIS** ls [OPTION]... [FILE]... **DESCRIPTION** information about the FILEs (the current directory by default). List Sort entries alphabetically if none of -cftuvSUX nor --sort is speci-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 by SIZE before scale sizes printing them. '--block-size=M' prints sizes in units of 1,048,576 bytes. See SIZE format below. -B, --ignore-backups do not list implied entries ending with ~ with -lt: sort by, and show, ctime (time of last modification of - C 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 defaults to 'always' or can be 'never' or 'auto'. More info below -d, --directory list directory entries instead of contents, and do not dereference symbolic links -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

like -l, but do not list owner

-g

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--group-directories-first
       group directories before files.
       augment 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, print sizes in human readable format (e.g., 1K 234M 2G)
--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 direc-
       tory
--hide=PATTERN
       do not list implied entries matching shell PATTERN (overridden
       by -a or -A)
--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
       use 1024-byte blocks
- 1
       use a long listing format
-L, --dereference
       when showing file information for a symbolic link, show informa-
       tion for the file the link references rather than for the link
       itself
       fill width with a comma separated list of entries
- m
-n, --numeric-uid-gid
       like -l, but list numeric user and group IDs
-N, --literal
       print
             raw entry names (don't treat e.g. control characters spe-
       cially)
       like -l, but do not list group information
-p, --indicator-style=slash
       append / indicator to directories
-q, --hide-control-chars
       print ? instead of non graphic characters
--show-control-chars
       show non graphic characters as-is (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, c, escape
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- -r, --reverse reverse order while sorting -R, --recursive list subdirectories recursively -s, --size
- print the allocated size of each file, in blocks
- sort by file size
- --sort=WORD sort by WORD instead of name: none -U, extension -X, size -S, time -t, version -v
- --time=WORD with -l, show time as WORD instead of modification time: a time -u, access -u, use -u, ctime -c, or status -c; use specified time as sort key if --sort=time
- --time-style=STYLE with -l, show times using style STYLE: full-iso, long-iso, iso, locale, +FORMAT. FORMAT is interpreted like 'date'; if FORMAT is FORMAT1<newline>FORMAT2, FORMAT1 applies to non-recent files and FORMAT2 to recent files; if STYLE is prefixed with 'posix-', STYLE takes effect only outside the POSIX locale
- -t sort by modification time, newest first
- -T, --tabsize=COLS assume tab stops at each COLS instead of 8
- with -lt: sort by, and show, access time with -l: show access time and sort by name otherwise: sort by access time
- -U do not sort; list entries in directory order
- natural sort of (version) numbers within text - V
- -w, --width=COLS assume screen width instead of current value
- list entries by lines instead of by columns
- X sort alphabetically by entry extension
- -Z, --context print any SELinux security context of each file
- list one file per line
- --help display this help and exit
- --version output version information and exit

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

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:

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

AUTHOR

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REPORTING BUGS

Report ls bugs to bug-coreutils@gnu.org GNU coreutils home page: http://www.gnu.org/software/coreutils/ General help using GNU software: http://www.gnu.org/gethelp/ Report ls translation bugs to http://translationproject.org/team/

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SEE ALSO

The full documentation for ls is maintained as a Texinfo manual. If the info and ls programs are properly installed at your site, the command

info coreutils 'ls invocation'

should give you access to the complete manual.

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LS(1)