

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 **-cftuSUX** nor **---sort**.

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

-a, --all

do not hide entries starting with .

-A, --almost-all

do not list implied . and ..

---author

print the author of each file

-b, --escape

print octal escapes for nongraphic characters

---block-size=SIZE

use SIZE-byte blocks

-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

-C

list entries by columns

---color[=WHEN]

control whether color is used to distinguish file types. WHEN may be ‘never’, ‘always’, or ‘auto’

-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 **-lst**

-F, --classify

append indicator (one of */=@!) to entries

---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

-G, --no-group

inhibit display of group information

-h, --human-readable

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 directory
- indicator-style=WORD** append indicator with style WORD to entry names:
none (default), classify (-F), file-type (-p)
- i, --inode**
print index number of each file
- I, --ignore=PATTERN**
do not list implied entries matching shell PATTERN
- k** like **--block-size=IK**
- 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 UIDs and GIDs
- N, --literal**
print raw entry names (don't treat e.g. control characters specially)
- o** like **-l**, but do not list group information
- p, --file-type**
append indicator (one of /=@l) to entries
- 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
- r, --reverse**
reverse order while sorting
- R, --recursive**
list subdirectories recursively
- s, --size**
print size of each file, in blocks
- S** sort by file size
- sort=WORD**
extension **-X**, none **-U**, size **-S**, time **-t**, version **-v**
status **-c**, time **-t**, atime **-u**, access **-u**, use **-u**
- time=WORD**
show time as WORD instead of modification time: atime, access, use, ctime or status; use specified time as sort key if **--sort=time**

- time-style=STYLE**
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
- 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
- U** do not sort; list entries in directory order
- v** sort by version
- w, --width=COLS**
assume screen width instead of current value
- x** list entries by lines instead of by columns
- X** sort alphabetically by entry extension
- 1** list one file per line
- help** display this help and exit
- version**
output version information and exit

SIZE may be (or may be an integer optionally followed by) one of following: kB 1000, K 1024, MB 1,000,000, M 1,048,576, and so on for G, T, P, E, Z, Y.

By default, color is not used to distinguish types of files. That is equivalent to using **--color=none**. Using the **--color** option without the optional WHEN argument is equivalent to using **--color=always**. With **--color=auto**, color codes are output only if standard output is connected to a terminal (tty).

AUTHOR

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REPORTING BUGS

Report bugs to <bug-coreutils@gnu.org>.

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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 ls

should give you access to the complete manual.