

NAME

`dir` – list directory contents

SYNOPSIS

dir [*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 change 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]

color the output WHEN; more info below

-d, --directory

list directories themselves, not their contents

-D, --dired

generate output designed for Emacs' dired mode

-f

same as **-a -U**

-F, --classify[=WHEN]

append indicator (one of `*/=>@|`) to entries WHEN

--file-type

like **-F**, except do not append `'*'`

--format=WORD

across, horizontal (**-x**), commas (**-m**), 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

-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

--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 file system 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
 change default 'name' sort to WORD: none (**-U**), size (**-S**), time (**-t**), version (**-v**), extension (**-X**), name, width

--time=WORD
 select which timestamp used to display or sort; access time (**-u**): atime, access, use; metadata change time (**-c**): ctime, status; modified time (default): mtime, modification; birth time: 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 directory entries

-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

--zero
 end each output line with NUL, not newline

-1
 list one file per line

--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,R,Q (powers of 1024) or KB,MB,... (powers of 1000). Binary prefixes can be used, too: KiB=K, MiB=M, and so on.

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.

The WHEN argument defaults to 'always' and can also be 'auto' or 'never'.

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(1)** 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

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REPORTING BUGS

Report bugs to: bug-coreutils@gnu.org

Report Gentoo bugs to: <https://bugs.gentoo.org/>

GNU coreutils home page: <https://www.gnu.org/software/coreutils/>

General help using GNU software: <https://www.gnu.org/gethelp/>

Report any translation bugs to <https://translationproject.org/team/>

SEE ALSO**dircolors(1)**

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

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