

```
Command Prompt - powershell + - x

No operation can be performed on Local Area Connection* 10 while it has its media disconnected.
No operation can be performed on Bluetooth Network Connection while it has its media disconnected.

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::9ace:a387:bdeb:4c34%11
IPv4 Address . . . . . : 192.168.56.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 1:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

Wireless LAN adapter Local Area Connection* 10:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :
IPv6 Address . . . . . : 2401:4900:5d28:6552:b562:f5e:d156:2e10
Temporary IPv6 Address . . . . . : 2401:4900:5d28:6552:b1be:766f:f3c1:a73c
Link-local IPv6 Address . . . . . : fe80::2f6a:71fe:93aa:eeef%5
IPv4 Address . . . . . : 172.20.10.7
Subnet Mask . . . . . : 255.255.255.240
Default Gateway . . . . . : fe80::34b1:ebff:fe:8f64%5
                                         172.20.10.1

Ethernet adapter Bluetooth Network Connection:
```

```
Command Prompt - powershell + - x

IPv6 Address . . . . . : 2401:4900:5d28:6552:b562:f5e:d156:2e10
Temporary IPv6 Address . . . . . : 2401:4900:5d28:6552:b1be:766f:f3c1:a73c
Link-local IPv6 Address . . . . . : fe80::2f6a:71fe:93aa:eef1%5
IPv4 Address . . . . . : 172.20.10.7
Subnet Mask . . . . . : 255.255.255.240
Default Gateway . . . . . : fe80::34b1:ebff:fe:8f64%5
                                         172.20.10.1

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . . :
PS C:\Users\Dell> ipconfig /flushdns

Windows IP Configuration

Successfully flushed the DNS Resolver Cache.
PS C:\Users\Dell> ping google.com

Pinging google.com [2404:6800:4002:806::200e] with 32 bytes of data:
Reply from 2404:6800:4002:806::200e: time=30ms
Reply from 2404:6800:4002:806::200e: time=193ms
Reply from 2404:6800:4002:806::200e: time=136ms
Reply from 2404:6800:4002:806::200e: time=90ms

Ping statistics for 2404:6800:4002:806::200e:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 30ms, Maximum = 193ms, Average = 112ms
PS C:\Users\Dell> |
```

Nov 13 19:05

rohit@rohit:~

```
rohit@rohit:~$ ls  
abc.txt  Documents  Music  Public  sample.txt  Templates  Videos  
Desktop  Downloads  Pictures  sample  snap        Test      xyz.txt
```

```
rohit@rohit:~$ cat sample.txt
```

Rohit Singh, 123 Main Ba, GGN
Vikram, 456 Sec-15, Ggn
Akshay Kr, 975 Dwarka gn, Gurgaon
Naveen San, 102 Rajiv Ng, Anywhere

```
rohit@rohit:~$
```



Home

Nov 13 19:09

rohit@rohit: ~

```
rohit@rohit:~$ ls
abc.txt  Documents  Music  Public  sample.txt  Templates  Videos
Desktop  Downloads  Pictures  sample  snap        Test      xyz.txt

rohit@rohit:~$ cat sample.txt
Rohit Singh, 123 Main Ba, GGN
Vikram, 456 Sec-15, Ggn
Akshay Kr, 975 Dwarka gn, Gurgaon
Naveen San, 102 Rajiv Ng, Anywhere
rohit@rohit:~$ grep "Naveen" sample.txt
Naveen San, 102 Rajiv Ng, Anywhere
rohit@rohit:~$
```

Nov 13 19:10

rohit@rohit: ~

User Commands

LS(1)

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 ~

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Nov 13 19:11

rohit@rohit: ~

```
-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      list all entries in directory order

-F, --classify[=WHEN]
    append indicator (one of */=>@|) to entries WHEN

--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
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```

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rohit@rohit: ~

```
--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

--indicator-style=WORD
```

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```
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
```

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```
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
```

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```
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), 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; list entries in directory order
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```

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```
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
--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 en-

Manual page ls(1) line 161/226 84% (press h for help or q to quit)

Nov 13 19:13

rohit@rohit: ~



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 `dircolor(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

Written by Richard M. Stallman and David MacKenzie.

REPORTING BUGS

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

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rohit@rohit: ~

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

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

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SEE ALSO

`dircolors(1)`

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

GNU coreutils 9.4

April 2024

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`LS(1)`