

```
Command Prompt - powershell X + v - □ 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:eef1%5
    IPv4 Address. . . . . : 172.20.10.7
    Subnet Mask . . . . . : 255.255.255.240
    Default Gateway . . . . . : fe80::34b1:ebff:fefa:8f64%5
                                172.20.10.1

Ethernet adapter Bluetooth Network Connection:
```

```
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:fefa: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

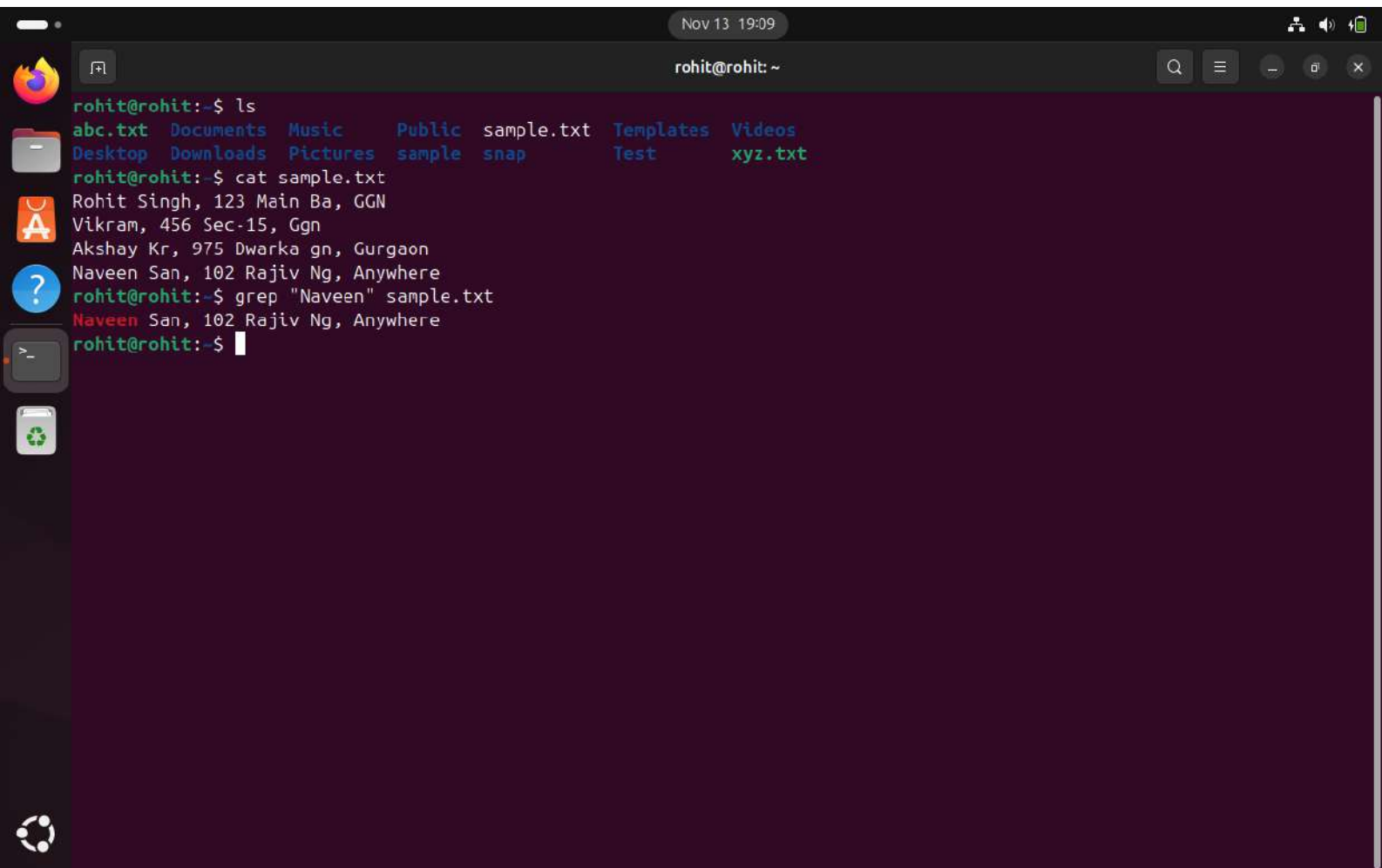
Akshay Kr, 975 Dwarka gn, Gurgaon

Naveen San, 102 Rajiv Ng, Anywhere

rohit@rohit:~\$



Home



A terminal window titled "rohit@rohit: ~" with a dark purple background. The window shows the execution of two commands: "ls" and "cat sample.txt". The "ls" command lists files and directories in color: abc.txt, Documents, Music, Public, sample.txt, Templates, Videos, Desktop, Downloads, Pictures, sample, snap, Test, and xyz.txt. The "cat sample.txt" command displays the contents of the file, which are four lines of text: "Rohit Singh, 123 Main Ba, GGN", "Vikram, 456 Sec-15, Ggn", "Akshay Kr, 975 Dwarka gn, Gurgaon", and "Naveen San, 102 Rajiv Ng, Anywhere". A third command, "grep 'Naveen' sample.txt", is shown, resulting in the output "Naveen San, 102 Rajiv Ng, Anywhere". The terminal window has a standard Linux desktop environment with icons for Firefox, Files, and other applications on the left, and system status icons on the top right.

```
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 **~**

Manual page ls(1) line 1/226 12% (press h for help or q to quit)

Nov 13 19:11

rohit@rohit: ~

Firefox



-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**

Manual page ls(1) line 29/226 24% (press h for help or q to quit)

Nov 13 19:12

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
```

Manual page ls(1) line 57/226 36% (press h for help or q to quit)

Nov 13 19:12



Firefox

rohit@rohit: ~



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

Manual page ls(1) line 85/226 48% (press h for help or q to quit)

Nov 13 19:12

rohit@rohit: ~

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

Manual page ls(1) line 109/226 58% (press h for help or q to quit)

Nov 13 19:13

rohit@rohit: ~

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

Manual page ls(1) line 133/226 71% (press h for help or q to quit)

Nov 13 19:13

rohit@rohit: ~

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



Firefox

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 `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

Written by Richard M. Stallman and David MacKenzie.

REPORTING BUGS

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

COPYRIGHT

Copyright © 2023 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later
[<https://gnu.org/licenses/gpl.html>](https://gnu.org/licenses/gpl.html).
This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.

Manual page `ls(1)` line 189/226 97% (press h for help or q to quit)

Nov 13 19:13

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

Written by Richard M. Stallman and David MacKenzie.

REPORTING BUGS

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

COPYRIGHT

Copyright © 2023 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later
[<https://gnu.org/licenses/gpl.html>](https://gnu.org/licenses/gpl.html).
This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.

SEE ALSO

`dircolors(1)`

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

GNU coreutils 9.4

April 2024

LS(1)

Manual page `ls(1)` line 196/226 (END) (press h for help or q to quit)