

1. Display the user manual of any command that we can run on the terminal.

Administrator: Command Prompt

Microsoft Windows [Version 10.0.19045.4412]
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C:\Users\Administrator><command>
The syntax of the command is incorrect.

C:\Users\Administrator>help
For more information on a specific command, type HELP command-name
ASSOC Displays or modifies file extension associations.
ATTRIB Displays or changes file attributes.
BREAK Sets or clears extended CTRL+C checking.
BCDEDIT Sets properties in boot database to control boot loading.
CACLs Displays or modifies access control lists (ACLs) of files.
CALL Calls one batch program from another.
CD Displays the name of or changes the current directory.
CHCP Displays or sets the active code page number.
CHDIR Displays the name of or changes the current directory.
CHKDSK Checks a disk and displays a status report.
CHKNTFS Displays or modifies the checking of disk at boot time.
CLS Clears the screen.
CMD Starts a new instance of the Windows command interpreter.
COLOR Sets the default console foreground and background colors.
COMP Compares the contents of two files or sets of files.
COMPACT Displays or alters the compression of files on NTFS partitions.
CONVERT Converts FAT volumes to NTFS. You cannot convert the current drive.
COPY Copies one or more files to another location.
DATE Displays or sets the date.
DEL Deletes one or more files.
DIR Displays a list of files and subdirectories in a directory.
DISKPART Displays or configures Disk Partition properties.
DOSKEY Edits command lines, recalls Windows commands, and creates macros.
DRIVERQUERY Displays current device driver status and properties.
ECHO Displays messages, or turns command echoing on or off.
ENDLOCAL Ends localization of environment changes in a batch file.
ERASE Deletes one or more files.
EXIT Quits the CMD.EXE program (command interpreter).
FC Compares two files or sets of files, and displays the differences between them.

FIND	Searches for a text string in a file or files.
FINDSTR	Searches for strings in files.
FOR	Runs a specified command for each file in a set of files.
FORMAT	Formats a disk for use with Windows.
FSUTIL	Displays or configures the file system properties.
FTYPE	Displays or modifies file types used in file extension associations.
GOTO	Directs the Windows command interpreter to a labeled line in a batch program.
GPRESULT	Displays Group Policy information for machine or user.
GRAFTABL	Enables Windows to display an extended character set in graphics mode.
HELP	Provides Help information for Windows commands.
ICAcls	Display, modify, backup, or restore ACLs for files and directories.
IF	Performs conditional processing in batch programs.
LABEL	Creates, changes, or deletes the volume label of a disk.
MD	Creates a directory.
MKDIR	Creates a directory.
MKLINK	Creates Symbolic Links and Hard Links
MODE	Configures a system device.
MORE	Displays output one screen at a time.
MOVE	Moves one or more files from one directory to another directory.
OPENFILES	Displays files opened by remote users for a file share.
PATH	Displays or sets a search path for executable files.
PAUSE	Suspends processing of a batch file and displays a message.
POPD	Restores the previous value of the current directory saved by PUSHD.
PRINT	Prints a text file.
PROMPT	Changes the Windows command prompt.
PUSHD	Saves the current directory then changes it.
RD	Removes a directory.
RECOVER	Recover readable information from a bad or defective disk.
REM	Records comments (remarks) in batch files or CONFIG.SYS.
REN	Renames a file or files.
RENAME	Renames a file or files.
REPLACE	Replaces files.
RMDIR	Removes a directory.

RMDIR	Removes a directory.
ROBOCOPY	Advanced utility to copy files and directory trees
SET	Displays, sets, or removes Windows environment variables.
SETPROXY	Begins localization of environment changes in a batch file.
SC	Displays or configures services (background processes).
SCHTASKS	Schedules commands and programs to run on a computer.
SHIFT	Shifts the position of replaceable parameters in batch files.
SHUTDOWN	Allows proper local or remote shutdown of machine.
SORT	Sorts input.
START	Starts a separate window to run a specified program or command.
SUBST	Associates a path with a drive letter.
SYSTEMINFO	Displays machine specific properties and configuration.
TASKLIST	Displays all currently running tasks including services.
TASKKILL	Kill or stop a running process or application.
TIME	Displays or sets the system time.
TITLE	Sets the window title for a CMD.EXE session.
TREE	Graphically displays the directory structure of a drive or path.
TYPE	Displays the contents of a text file.
VER	Displays the Windows version.
VERIFY	Tells Windows whether to verify that your files are written correctly to a disk.
VOL	Displays a disk volume label and serial number.
XCOPY	Copies files and directory trees.
WMIC	Displays WMI information inside interactive command shell.

For more information on tools see the command-line reference in the online help.

2. Change the current working directory of the user.

```
C:\Users\Administrator>dir
Volume in drive C has no label.
Volume Serial Number is AC4A-04BB

Directory of C:\Users\Administrator

01/13/2026  01:28 PM    <DIR>        .
01/13/2026  01:28 PM    <DIR>        ..
01/13/2026  01:28 PM            547 .bash_history
01/13/2026  01:05 PM            61 .gitconfig
07/05/2022  01:38 AM    <DIR>        3D Objects
07/05/2022  01:38 AM    <DIR>        Contacts
01/07/2026  09:20 PM    <DIR>        Desktop
01/13/2026  09:14 PM    <DIR>        Documents
01/14/2026  03:47 PM    <DIR>        Downloads
07/05/2022  01:38 AM    <DIR>        Favorites
07/05/2022  01:38 AM    <DIR>        Links
10/30/2025  02:15 PM    <DIR>        Music
01/14/2026  03:41 PM            24,117,248 NTUSER.DAT
03/10/2022  07:49 PM    <DIR>        OneDrive
01/31/2025  08:45 PM    <DIR>        Pictures
07/05/2022  01:38 AM    <DIR>        Saved Games
07/05/2022  01:40 AM    <DIR>        Searches
09/16/2023  07:24 PM    <DIR>        Videos
               3 File(s)   24,117,856 bytes
               15 Dir(s)  178,552,401,920 bytes free
```

```
C:\Users\Administrator>cd documents

C:\Users\Administrator\Documents>dir
Volume in drive C has no label.
Volume Serial Number is AC4A-04BB

Directory of C:\Users\Administrator\Documents

01/13/2026  09:14 PM    <DIR>        .
01/13/2026  09:14 PM    <DIR>        ..
07/18/2024  07:28 PM    <DIR>        Adobe
12/05/2023  01:02 PM    <DIR>        Custom Office Templates
11/21/2024  11:07 PM            356,352 Database1.accdb
01/13/2026  04:30 PM    <DIR>        newfolder
01/13/2026  04:27 PM            37 OS.txt
09/20/2023  12:01 PM    <DIR>        software
               2 File(s)   356,389 bytes
               6 Dir(s)  178,243,297,280 bytes free

C:\Users\Administrator\Documents>
```

3. Lists all the contents in the current working directory.

```
Directory of C:\Users\Administrator\Documents

01/13/2026  09:14 PM    <DIR>        .
01/13/2026  09:14 PM    <DIR>        ..
07/18/2024  07:28 PM    <DIR>        Adobe
12/05/2023  01:02 PM    <DIR>        Custom Office Templates
11/21/2024  11:07 PM            356,352 Database1.accdb
01/13/2026  04:30 PM    <DIR>        newfolder
01/13/2026  04:27 PM            37 OS.txt
09/20/2023  12:01 PM    <DIR>        software
               2 File(s)   356,389 bytes
               6 Dir(s)  178,243,297,280 bytes free
```

4. Read, modify or concatenate text files.

```
C:\Users\Administrator\Documents>type OS.txt
I am yet to complete my OS practical.
C:\Users\Administrator\Documents>
```

```
C:\Users\Administrator\Documents>type Kalyani.txt
I am Kalyani
C:\Users\Administrator\Documents>
```

5. Create a new directory under any directory.

```
C:\Users\Administrator\Documents>mkdir "CM24084"

C:\Users\Administrator\Documents>dir
Volume in drive C has no label.
Volume Serial Number is AC4A-04BB

Directory of C:\Users\Administrator\Documents

01/14/2026  04:33 PM    <DIR>          .
01/14/2026  04:33 PM    <DIR>          ..
07/18/2024  07:28 PM    <DIR>          Adobe
01/14/2026  04:33 PM    <DIR>          CM24084
12/05/2023  01:02 PM    <DIR>          Custom Office Templates
11/21/2024  11:07 PM          356,352 Database1.accdb
01/14/2026  04:29 PM          13 Kalyani.txt
01/13/2026  04:30 PM    <DIR>          newfolder
01/13/2026  04:27 PM          37 OS.txt
09/20/2023  12:01 PM    <DIR>          software
               3 File(s)        356,402 bytes
               7 Dir(s)   176,742,195,200 bytes free
```

6. Display the current working directory of the terminal.

```
C:\Users\Administrator\Documents>cd
C:\Users\Administrator\Documents

C:\Users\Administrator\Documents>
```

7. Write its arguments to standard output.

```
C:\Users\Administrator\Documents>echo
ECHO is on.

C:\Users\Administrator\Documents>_
```

8. Remove a file.

```
C:\Users\Administrator\Documents>del "CM24084"
C:\Users\Administrator\Documents\CM24084\*, Are you sure (Y/N)? _
```

9. Delete a directory.

```
C:\Users\Administrator\Documents>del "CM24084"
C:\Users\Administrator\Documents\CM24084\*, Are you sure (Y/N)? y

C:\Users\Administrator\Documents>_
```

10. Copy a file or directory.

```
C:\Users\Administrator\Documents>copy  
The syntax of the command is incorrect.  
  
C:\Users\Administrator\Documents>copy(CM24084)  
The system cannot find the file specified.  
  
C:\Users\Administrator\Documents>copy "CM24084"  
CM24084\*  
The system cannot find the file specified.  
      0 file(s) copied.  
  
C:\Users\Administrator\Documents>
```

11. Switch to root-user

```
C:\Users\Administrator\Documents>runas  
RUNAS USAGE:  
  
RUNAS [ [ /noprofile | /profile ] [ /env ] [ /savecred | /netonly ] ]  
      /user:<UserName> program  
  
RUNAS [ [ /noprofile | /profile ] [ /env ] [ /savecred ] ]  
      /smartcard [ /user:<UserName> ] program  
  
RUNAS /trustlevel:<TrustLevel> program  
  
  /noprofile      specifies that the user's profile should not be loaded.  
                  This causes the application to load more quickly, but  
                  can cause some applications to malfunction.  
  /profile        specifies that the user's profile should be loaded.  
                  This is the default.  
  /env            to use current environment instead of user's.  
  /netonly        use if the credentials specified are for remote  
                  access only.  
  /savecred       to use credentials previously saved by the user.  
  /smartcard      use if the credentials are to be supplied from a  
                  smartcard.  
  /user           <UserName> should be in form USER@DOMAIN or DOMAIN\USER  
  /showtrustlevels displays the trust levels that can be used as arguments  
                    to /trustlevel.  
  /trustlevel     <Level> should be one of levels enumerated  
                  in /showtrustlevels.  
  program         command line for EXE. See below for examples  
  
Examples:  
> runas /noprofile /user:mymachine\administrator cmd  
> runas /profile /env /user:mydomain\admin "mmc %windir%\system32\dsa.msc"  
> runas /env /user:user@domain.microsoft.com "notepad \"my file.txt\""
```

12. Moves files and directories from one directory to another

```
C:\Users\Administrator\Documents>move  
The syntax of the command is incorrect.
```

13. Search for a particular string/ word in a text file

```
C:\Users\Administrator\Documents>find "word" Kalyani.txt  
-----  
KALYANI.TXT
```

14. Print the top N number of data of the given input

```
C:\Users\Administrator\Documents>more Kalyani.txt  
I am Kalyani
```

15. Print the last N number of data of the given input

```
C:\Users\Administrator\Documents>more Kalyani.txt  
I am Kalyani
```

16. Remove read permission from owner of the file

```
C:\Users\Administrator\Documents>icacls "Kalyani.txt"  
Kalyani.txt NT AUTHORITY\SYSTEM:(I)(F)  
BUILTIN\Administrators:(I)(F)  
DESKTOP-NEII4G1\Administrator:(I)(F)  
  
Successfully processed 1 files; Failed processing 0 files  
C:\Users\Administrator\Documents>
```

17. Add read permission to owner plus remove write permission and add write permission to group

```
C:\Users\Administrator\Documents>icacls "OS.txt" /grant %username%:R /remove:d %username%:W /grant "GroupName":W  
Successfully processed 0 files; Failed processing 0 files  
C:\Users\Administrator\Documents>
```

18. Add write permission to owner no permission to others

```
C:\Users\Administrator\Documents>icacls "OS.txt" /grant %username%:W /inheritance:r  
processed file: OS.txt  
Successfully processed 1 files; Failed processing 0 files  
C:\Users\Administrator\Documents>
```

19. Assign permission to users

```
C:\Users\Administrator\Documents>icacls "OS.txt" /grant Users:R  
processed file: OS.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Administrator\Documents>
```

20. Assign R/W/X to others

```
C:\Users\Administrator\Documents>icacls "OS.txt" /grant Everyone:(R,W,X)  
processed file: OS.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Administrator\Documents>
```

21. Remove all permission from all users

```
C:\Users\Administrator\Documents>icacls "OS.txt" /reset  
processed file: OS.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Administrator\Documents>
```

22. Remove read permission from user using absolute mode

```
C:\Users\Administrator\Documents>icacls "OS.txt" /remove %username%:(R)  
Successfully processed 0 files; Failed processing 0 files  
  
C:\Users\Administrator\Documents>
```

23. Add R/W permission to owner no permission to group and no permission to other using absolute mode

```
C:\Users\Administrator\Documents>icacls "OS.txt" /inheritance:r /grant %username%:(R,W)  
processed file: OS.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Administrator\Documents>
```

24. Add execute permission to owner, read permission to group and other

```
C:\Users\Administrator\Documents>icacls "OS.txt" /grant %username%:(X) /grant "GroupName":R /grant Everyone:R  
GroupName: No mapping between account names and security IDs was done.  
Successfully processed 0 files; Failed processing 1 files  
  
C:\Users\Administrator\Documents>
```

25. Add execute permission to all user

```
C:\Users\Administrator\Documents>icacls "OS.txt" /grant Everyone:(X)
processed file: OS.txt
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Administrator\Documents>_
```