

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

```
Command Prompt - help dir X + v
C:\Users\Asus>help dir
Displays a list of files and subdirectories in a directory.

DIR [drive:][path][filename] [/A[:attributes]] [/B] [/C] [/D] [/L] [/W]
 [/O[:sortorder]] [/P] [/Q] [/R] [/S] [/T[:timefield]] [/W] [/X] [/4]

[drive:][path][filename]
    Specifies drive, directory, and/or files to list.

/A      Displays files with specified attributes.
attributes  D Directories          R Read-only files
             H Hidden files        A Files ready for archiving
             S System files        I Not content indexed files
             L Reparse Points      O Offline files
             - Prefix meaning not

/B      Uses bare format (no heading information or summary).
/C      Display the thousand separator in file sizes. This is the
        default. Use /-C to disable display of separator.
/D      Same as wide but files are list sorted by column.
/L      Uses lowercase.
/N      New long list format where filenames are on the far right.
/O      List by files in sorted order.
sortorder  N By name (alphabetic)    S By size (smallest first)
            E By extension (alphabetic) D By date/time (oldest first)
            G Group directories first - Prefix to reverse order

/P      Pauses after each screenful of information.
/Q      Display the owner of the file.
/R      Display alternate data streams of the file.
/S      Displays files in specified directory and all subdirectories.
/T      Controls which time field displayed or used for sorting
timefield  C Creation
            A Last Access
            W Last Written

/W      Uses wide list format.
/X      This displays the short names generated for non-8dot3 file
        names. The format is that of /W with the short name inserted
        before the long name. If no short name is present, blanks are
        displayed in its place.
/4      Displays four-digit years

Press any key to continue . . .
```

2. Change the current working directory of the user.

```
C:\Users\Asus>cd Desktop
C:\Users\Asus\Desktop>|
```

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

```
Command Prompt X + v
C:\Users\Asus\Desktop>dir
Volume in drive C is OS
Volume Serial Number is 9462-57C7

Directory of C:\Users\Asus\Desktop

12/28/2025 07:49 PM <DIR> .
12/27/2025 07:12 PM <DIR> ..
03/16/2023 06:58 PM <DIR> 01 MEHANDI
07/11/2025 03:00 PM 48,154 1.SLDprt
04/07/2025 03:27 PM 64,764 2d drawing.bak
04/07/2025 04:07 PM 72,611 2d drawing.dwg
11/01/2025 07:08 PM 2,533 360 Extreme Browser.lnk
04/07/2025 04:07 PM 73,247 3d drawing.dwg
11/19/2024 06:35 PM <DIR> ALIGN classes
08/30/2024 08:51 AM <DIR> allcodes
09/16/2024 08:09 AM <DIR> allcodes-main
07/22/2025 08:40 PM <DIR> autocad project
07/21/2025 12:17 PM <DIR> catia 2d practice
07/24/2025 02:45 PM <DIR> catia 2d parts
10/16/2024 08:36 PM 2,467 CodoTantra SEA.lnk
10/11/2024 08:58 AM <DIR> dilip bhai tailor
06/27/2024 10:14 AM 2,291 Discord.lnk
04/07/2025 04:35 PM 61,143 Drawing1.dwg
12/20/2025 07:50 PM 13,645 epfo.pdf
11/24/2024 06:38 PM 12,557,222 Esports Presentation.pdf
12/11/2023 05:06 PM <DIR> Files
08/08/2025 01:47 PM <DIR> flange coupling assembly
12/18/2025 06:29 PM 2,874 Google Docs.lnk
12/18/2025 06:29 PM 2,890 Google Drive.lnk
12/18/2025 06:29 PM 2,886 Google Sheets.lnk
12/18/2025 06:29 PM 2,886 Google Slides.lnk
10/25/2025 08:38 PM <DIR> MICROSOFT
10/29/2025 11:15 AM 2,356 Microsoft Edge.lnk
08/16/2024 01:21 PM 910 MinGW Installer.lnk
11/01/2025 07:45 PM <DIR> motor blower assembly
10/11/2023 01:50 PM 585,201 my.docx
10/22/2025 06:57 PM 1,430 Opera Browser.lnk
05/01/2023 11:25 PM <DIR> PHOTOS
04/05/2025 12:32 AM 172 piston cylinder.las
04/07/2025 11:58 PM 59,163 practice.dwg
08/08/2025 01:27 PM <DIR> pulley support assembly
02/04/2024 02:07 PM 2,667 PW.lnk
01/16/2025 10:48 PM 1,258 Pycharm Community Edition 2024.3.1.1.lnk
11/25/2024 06:50 PM 418 python_problems.py
07/22/2025 08:39 PM <DIR> radial engine assembly
06/26/2025 07:54 PM <DIR> rahul
01/05/2024 07:06 PM 45,522 rto challan.pdf
09/01/2022 04:43 PM 36,581,133 SHAREit-Invite-4050549-16633a86dc63400e97a54abe071aede3.apk
03/16/2023 07:03 PM <DIR> SHWETA SOUNDARKAR
07/22/2025 08:35 PM <DIR> solidwork
07/22/2025 08:39 PM <DIR> solidwork project
09/03/2023 11:33 PM 1,847 Spotify.lnk
02/04/2024 02:07 PM 2,446 tanu - Chrome.lnk
12/09/2024 11:13 PM 125,770 TANU M-1 TAE.pdf
08/27/2023 02:38 PM 1,031 Telegram.lnk
10/24/2025 06:21 PM 1,923 utorrent Web.lnk
11/29/2024 11:36 PM 168,392 vd.html
11/29/2024 11:36 PM <DIR> vd_files
07/03/2024 02:14 PM 1,450 Visual Studio Code.lnk
02/04/2024 02:07 PM 2,793 whatsapp Web.lnk
10/12/2022 04:37 PM 2,480 WPS Office.lnk
12/19/2025 12:34 AM 2,543 WPS PDF.lnk
35 File(s) 50,497,247 bytes
22 Dir(s) 436,006,699,008 bytes free

C:\Users\Asus\Desktop>|
```

4. Read, modify or concatenate text files.

```
C:\Users\Asus\Desktop>echo Hello John>task4.txt

C:\Users\Asus\Desktop>type task4.txt
Hello John

C:\Users\Asus\Desktop>
```

5. Create a new directory under any directory.

```
C:\Users\Asus\Desktop>dir
Volume in drive C is OS
Volume Serial Number is 9462-57C7

Directory of C:\Users\Asus\Desktop

01/13/2026  09:57 PM  <DIR>      .
12/27/2025  07:12 PM  <DIR>      ..
03/16/2023  06:58 PM  <DIR>      01 MEHANDI
07/11/2025  03:00 PM             48,154  1.SLDPRT
04/07/2025  03:27 PM             64,764  2d drawing.bak
04/07/2025  04:07 PM             72,611  2d drawing.dwg
11/01/2025  07:08 PM             2,533  360 Extreme Browser.lnk
04/07/2025  04:07 PM             73,247  3d drawing.dwg
11/19/2024  06:35 PM  <DIR>      AI&ML classes
08/30/2024  08:51 AM  <DIR>      allcodes
09/16/2024  08:09 AM  <DIR>      allcodes-main
07/22/2025  08:40 PM  <DIR>      autocad project
07/21/2025  12:17 PM  <DIR>      catia 2d practice
07/24/2025  02:45 PM  <DIR>      catia 3d parts
10/16/2024  08:36 PM             2,467  CodeTantra SEA.lnk
10/11/2024  08:58 AM  <DIR>      dilip bhai tailor
06/27/2024  10:14 AM             2,291  Discord.lnk
04/07/2025  04:35 PM             61,143  Drawing1.dwg
12/20/2025  07:50 PM             13,645  epfo.pdf
11/24/2024  06:38 PM          12,557,222  Esports Presentation.pdf
12/13/2023  05:06 PM  <DIR>      Files
08/08/2025  01:47 PM  <DIR>      flange coupling assembly
12/18/2025  06:29 PM             2,074  Google Docs.lnk
12/18/2025  06:29 PM             2,050  Google Drive.lnk
12/18/2025  06:29 PM             2,086  Google Sheets.lnk
12/18/2025  06:29 PM             2,086  Google Slides.lnk
01/13/2026  09:57 PM  <DIR>      Johnproject
10/25/2025  08:30 PM  <DIR>      MICROSOFT
10/29/2025  11:15 AM             2,356  Microsoft Edge.lnk
08/16/2024  01:21 PM             910  MinGW Installer.lnk
11/01/2025  07:45 PM  <DIR>      motor blower assembly
10/11/2023  01:50 PM          585,201  my.docx
10/22/2025  06:57 PM             1,430  Opera Browser.lnk
05/03/2023  11:25 PM  <DIR>      PHOTOS
04/05/2025  12:32 AM             172  piston cylender.las
04/07/2025  11:58 PM             59,163  practice.dwg
08/08/2025  01:27 PM  <DIR>      pully support assembly
02/04/2024  02:07 PM             2,667  Pw.lnk
01/16/2025  10:48 PM             1,258  PyCharm Community Edition 2024.3.1.1.lnk
11/25/2024  06:50 PM             418  python_problems.py
07/22/2025  08:39 PM  <DIR>      radial engine assembly
06/26/2025  07:54 PM  <DIR>      rahul
01/05/2024  07:06 PM             45,522  rto challan.pdf
09/01/2022  04:43 PM          36,581,133  SHAREit-Invite-4050549-16633a86dc63400e97a54abe071aede3.apk
03/16/2023  07:03 PM  <DIR>      SHWETA SOUNDARKAR
07/22/2025  08:35 PM  <DIR>      solidwork
07/22/2025  08:39 PM  <DIR>      solidwork project
09/03/2023  11:33 PM             1,847  Spotify.lnk
02/04/2024  02:07 PM             2,446  tanu - Chrome.lnk
12/09/2024  11:13 PM          125,770  TANU M-1 TAE.pdf
01/13/2026  09:55 PM             12  task4.txt
08/27/2023  02:38 PM             1,031  Telegram.lnk
10/24/2025  06:21 PM             1,923  uTorrent Web.lnk
11/29/2024  11:36 PM          168,392  vd.html
11/29/2024  11:36 PM  <DIR>      vd_files
07/03/2024  02:14 PM             1,450  Visual Studio Code.lnk
02/04/2024  02:07 PM             2,793  WhatsApp Web.lnk
10/12/2022  04:37 PM             2,449  WPS Office.lnk
12/19/2025  12:34 AM             2,543  WPS PDF.lnk
          36 File(s)          50,497,259 bytes
          23 Dir(s)      436,076,933,120 bytes free
```

6. Display the current working directory of the terminal.

```
C:\Users\Asus\Desktop>cd
C:\Users\Asus\Desktop

C:\Users\Asus\Desktop>
```

7. Write its arguments to standard output.

```
C:\Users\Asus\Desktop>echo This is Task 7 for Practical2
This is Task 7 for Practical2

C:\Users\Asus\Desktop>
```

8. Remove a file.

```
C:\Users\Asus\Desktop>echo temp > delme.txt & del delme.txt

C:\Users\Asus\Desktop>del delme.txt & dir delme.txt
Could Not Find C:\Users\Asus\Desktop\delme.txt
Volume in drive C is OS
Volume Serial Number is 9462-57C7

Directory of C:\Users\Asus\Desktop

File Not Found

C:\Users\Asus\Desktop>
```

9. Delete a directory.

```
C:\Users\Asus\Desktop>whoami
C:\Users\Asus\Desktop>
Volume in drive C is OS
Volume Serial Number is 9462-57C7
Directory of C:\Users\Asus\Desktop
File Not Found
C:\Users\Asus\Desktop>
```

10. Copy a file or directory.

```
C:\Users\Asus\Desktop>copy task4.txt task4_copy.txt
1 file(s) copied.

C:\Users\Asus\Desktop>
```

11. Switch to root user.

```
C:\Users\Asus\Desktop>whoami
laptop-m02hfd9c\asus

C:\Users\Asus\Desktop>
```

12. Move files and directories from one directory to another.

```
C:\Users\Asus\Desktop>move task4_copy.txt JohnProject\  
1 file(s) moved.  
  
C:\Users\Asus\Desktop>|
```

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

```
C:\Users\Asus\Desktop>findstr "Hello" task4.txt  
Hello John  
  
C:\Users\Asus\Desktop>
```

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

```
C:\Users\Asus\Desktop>powershell -command "Get-Content task4.txt -TotalCount 1"  
Hello John  
  
C:\Users\Asus\Desktop>icacls secure.txt /deny %username%:R  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

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

```
C:\Users\Asus\Desktop>powershell -command "Get-Content task4.txt -Tail 1"  
Hello John  
  
C:\Users\Asus\Desktop>|
```

16. Remove read permission from owner of the file.

```
C:\Users\Asus\Desktop>icacls secure.txt /deny %username%:R  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

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

```
C:\Users\Asus\Desktop>icacls secure.txt /grant %username%:R /remove %username%  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

18. Add write permission to owner and no permission to others.

```
C:\Users\Asus\Desktop>icacls secure.txt /inheritance:r /grant %username%:W  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

19. Assign permission to users.

```
C:\Users\Asus\Desktop>icacls secure.txt /grant %username%:R  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

20. Assign read, write and execute permission to others.

```
C:\Users\Asus\Desktop>icacls secure.txt /grant Everyone:(R,W,M)  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

21. Remove all permissions from all users.

```
C:\Users\Asus\Desktop>icacls secure.txt /grant Everyone:(R,W,M)  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

22. Remove read permission from user using absolute mode.

```
C:\Users\Asus\Desktop>icacls secure.txt /remove %username%  
processed file: secure.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\Asus\Desktop>
```

23. Add read and write permission to owner and no permission to group and others using absolute mode.

```
C:\Users\Asus\Desktop>icacls secure.txt /grant %username%:(R,W)
processed file: secure.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Asus\Desktop>
```

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

```
C:\Users\Asus\Desktop>icacls secure.txt /grant %username%:(X) /grant Users:(R)
processed file: secure.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Asus\Desktop>
```

25. Add execute permission to all users.

```
C:\Users\Asus\Desktop>icacls secure.txt /grant Everyone:(X)
processed file: secure.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Asus\Desktop>
```