

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

```
C:\Users\Asus>help dir
Displays a list of files and subdirectories in a directory.

DIR [drive:]|[path][filename] [/A[:attributes]] [/B] [/D] [/L] [/N]
    [/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 long list format.

/N      Uses long list format where filenames are on the far right.

/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      Displays files in specified directory and all subdirectories.

/S      Controls which time field displayed or used for sorting

/T      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 /N 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.

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

Directory of C:\Users\Asus\Desktop

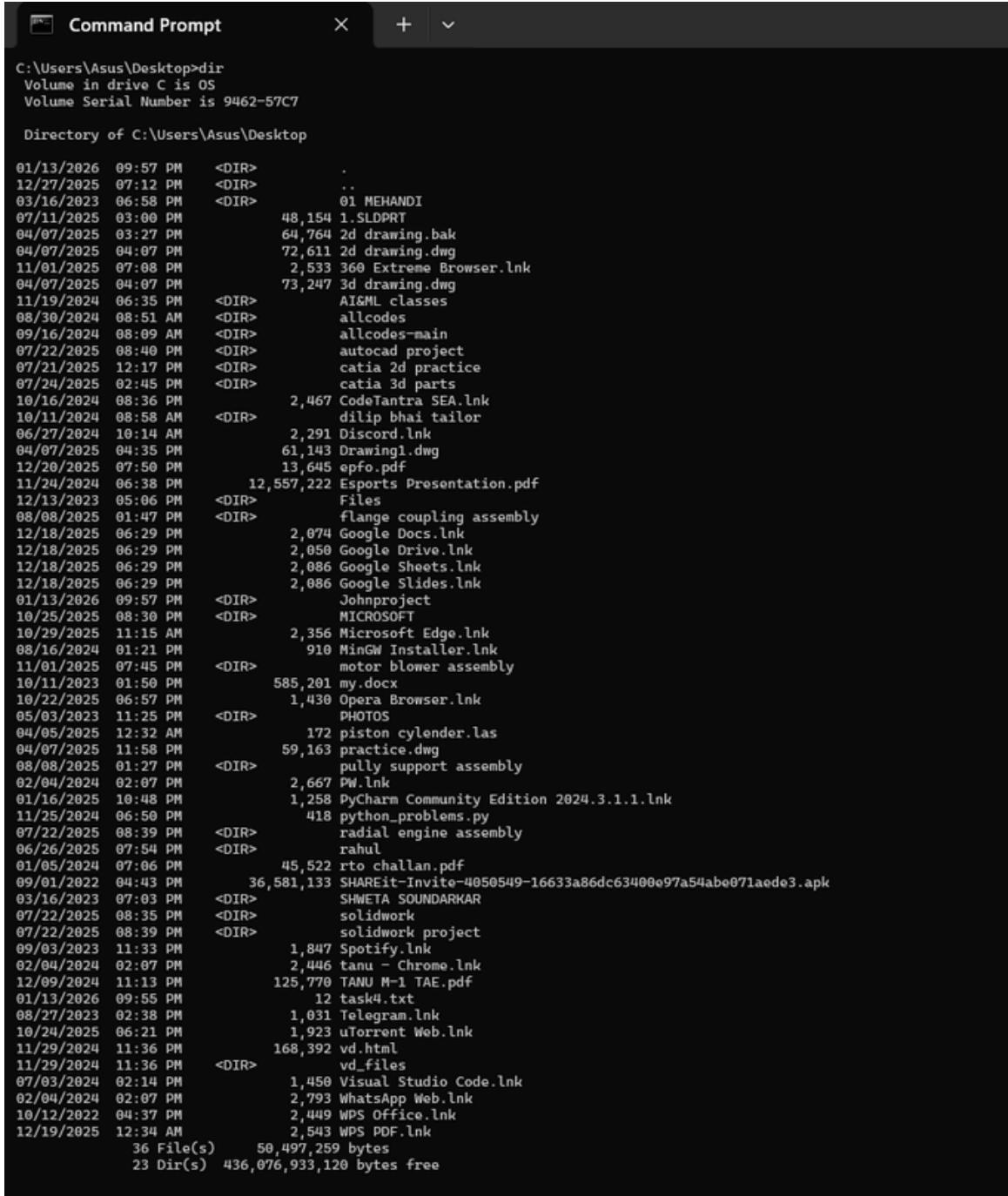
12/20/2025  07:49 PM  <DIR>          .
12/27/2025  07:12 PM  <DIR>          ..
03/16/2023  06:58 PM  <DIR>          01 MEHANDI
07/11/2025  03:00 PM  48,154 1.SLDPRT
04/07/2025  03:27 PM  64,764 2d drawing.bak
04/07/2025  04:07 PM  72,611 2d drawing.dwg
11/01/2025  07:08 PM  2,533 360 Extreme Browser.lnk
04/07/2025  04:07 PM  73,247 3d drawing.dwg
11/19/2025  08:36 PM  <DIR>          3d parts
08/30/2024  08:51 AM  <DIR>          allcodes
09/16/2024  08:09 AM  <DIR>          allcodes-main
07/22/2025  08:46 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
08/27/2024  10:14 AM  2,291 Discord.lnk
08/09/2024  08:45 PM  51,143 Drawing.dwg
12/28/2025  07:58 PM  13,645 EKF-OF
11/24/2024  06:38 PM  12,557,222 Expenses 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  2,088 Google Sheets.lnk
12/18/2025  06:29 PM  2,088 Google Slides.lnk
10/29/2025  11:15 AM  <DIR>          Microsoft Word
10/29/2025  11:15 AM  2,356 Microsoft Edge.lnk
08/16/2028  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
05/03/2025  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
05/01/2025  01:27 PM  <DIR>          pulley support assembly
05/04/2025  02:34 PM  2,667 PML.lnk
01/16/2025  10:48 PM  1,258 PythonCharm 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-#050549-16633a86dc63400e97a54abe071aede3.apk
03/16/2023  07:03 PM  <DIR>          SHREYA SOUNDARKAR
07/22/2025  08:35 PM  <DIR>          solidwork
07/22/2025  08:39 PM  <DIR>          solidwork project
09/03/2025  11:11 PM  1,887 solidarity
02/04/2028  02:07 PM  2,846 Team 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  2,000 WPS Office.lnk
12/19/2025  12:00 AM  2,543 ZS PDF.lnk
      35 File(s)   50,497,249 bytes
      22 Dir(s)   436,096,699,008 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.



```
Command Prompt
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    <DIR>        Opera Browser.lnk
05/03/2023  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
                                45,522 rto challan.pdf
09/01/2022  04:43 PM    36,581,133 SHAREit-Invite-#050549-16633a86dc63400e97a54abe071aede3.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\As c:\Users\Asus\Desktop>whoami  
Volume in laptop-m02hfd9c\asus  
Volume Ser C:\Users\Asus\Desktop>  
Directory  
  
File Not Fo  
C:\Users\As
```

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\Asu 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>
```