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



```
Command Prompt - help  dir

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

DIR [drive:][path][filename] [/A[[:]attributes]] [/B] [/C] [/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 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.
Press any key to continue . . . _
```

2. Change the current working directory of the user.



```
Command Prompt

C:\Users\VIDISHA>cd Desktop
The system cannot find the path specified.

C:\Users\VIDISHA> cd %userprofile%

C:\Users\VIDISHA>cd Desktop
The system cannot find the path specified.

C:\Users\VIDISHA>cd /d "%USERPROFILE%\OneDrive\Desktop"

C:\Users\VIDISHA\OneDrive\Desktop>
```

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



```
Command Prompt

C:\Users\VIDISHA\OneDrive\Desktop>dir
 Volume in drive C has no label.
 Volume Serial Number is AC2D-0026

 Directory of C:\Users\VIDISHA\OneDrive\Desktop

10-01-2026  14:55    <DIR>          .
10-01-2026  14:55    <DIR>          ..
07-10-2025  20:59            50,375 3rd sem exm form.pdf
14-12-2025  22:29    <DIR>          4th sem
16-04-2025  11:48         2,282,569 adh.docx
10-01-2026  15:26    <DIR>          CALMCARE1
09-01-2026  21:57    <DIR>          care
08-01-2026  23:05    <DIR>          career
09-12-2024  19:53             2,435 CodeTantra SEA.lnk
31-12-2025  19:16             4,418 DT.txt
07-10-2025  21:02            68,401 exam_registration_form.pdf
27-12-2025  22:19    <DIR>          GIT
14-09-2025  10:00                34 github.txt
02-07-2024  12:12               879 MinGW Installer.lnk
30-06-2025  09:48           175,573 nagpur income tax receipt.pdf
27-05-2024  20:21    <DIR>          New folder
14-09-2025  20:16            92,742 OIG2.webp
14-09-2025  20:20           194,748 oig3.jpeg
30-06-2025  09:58           175,804 PARATE PROP TAX.pdf
04-06-2025  12:46               164 password and imp data.txt
29-04-2025  07:49           144,308 pdf wd r (1).pdf
08-12-2025  00:32             2,454 Personal - Edge.lnk
21-06-2025  06:49    <DIR>          Photos vidisha
11-08-2025  21:38           361,158 Screenshot (283).png
11-08-2025  21:46           152,879 Screenshot (284).png
05-05-2025  07:33           179,845 Session.docx
30-06-2025  09:53           174,833 shilpa prop tax.pdf
23-08-2025  20:26           777,094 shreesha pan app.pdf
30-05-2024  21:05             1,328 Typing Master 11.lnk
15-07-2025  20:24             2,400 Vidisha - Chrome.lnk
23-08-2025  19:53           501,805 vidisha pan app.pdf
26-12-2025  18:21               789 Visual Studio Code.lnk
28-01-2022  20:50    <DIR>          Wub_v1.7
              23 File(s)      5,347,035 bytes
              10 Dir(s)  59,685,044,224 bytes free

C:\Users\VIDISHA\OneDrive\Desktop>
```

4. Read, modify or concatenate text files.

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

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

C:\Users\VIDISHA\OneDrive\Desktop>
```

5. Create a new directory under any directory.

```
C:\Users\VIDISHA\OneDrive\Desktop>mkdir Johnproject

C:\Users\VIDISHA\OneDrive\Desktop>dir
 Volume in drive C has no label.
 Volume Serial Number is AC2D-0026

 Directory of C:\Users\VIDISHA\OneDrive\Desktop

12-01-2026  23:03    <DIR>          .
12-01-2026  23:03    <DIR>          ..
07-10-2025  20:59            50,375 3rd sem exm form.pdf
14-12-2025  22:29    <DIR>          4th sem
16-04-2025  11:48         2,282,569 adh.docx
10-01-2026  15:26    <DIR>          CALMCARE1
09-01-2026  21:57    <DIR>          care
08-01-2026  23:05    <DIR>          career
09-12-2024  19:53             2,435 CodeTantra SEA.lnk
31-12-2025  19:16             4,418 DT.txt
07-10-2025  21:02            68,401 exam_registration_form.pdf
27-12-2025  22:19    <DIR>          GIT
14-09-2025  10:00                34 github.txt
12-01-2026  23:03    <DIR>          Johnproject
02-07-2024  12:12               879 MinGW Installer.lnk
30-06-2025  09:48           175,573 nagpur income tax receipt.pdf
27-05-2024  20:21    <DIR>          New folder
14-09-2025  20:16            92,742 OIG2.webp
14-09-2025  20:20           194,748 oig3.jpeg
30-06-2025  09:58           175,804 PARATE PROP TAX.pdf
04-06-2025  12:46               164 password and imp data.txt
29-04-2025  07:49           144,308 pdf wd r (1).pdf
08-12-2025  00:32             2,454 Personal - Edge.lnk
21-06-2025  06:49    <DIR>          Photos vidisha
11-08-2025  21:38           361,158 Screenshot (283).png
11-08-2025  21:46           152,879 Screenshot (284).png
05-05-2025  07:33           179,845 Session.docx
30-06-2025  09:53           174,833 shilpa prop tax.pdf
23-08-2025  20:26           777,094 shreesha pan app.pdf
12-01-2026  23:02                12 task4.txt
30-05-2024  21:05             1,328 Typing Master 11.lnk
15-07-2025  20:24             2,400 Vidisha - Chrome.lnk
```

6.

7. Display the current working directory of the terminal.

```
C:\Users\VIDISHA\OneDrive\Desktop>cd
C:\Users\VIDISHA\OneDrive\Desktop

C:\Users\VIDISHA\OneDrive\Desktop>
```

8. Write its arguments to standard output.



```
C:\Users\VIDISHA\OneDrive\Desktop>echo This is Task 7 for Practical 2
This is Task 7 for Practical 2

C:\Users\VIDISHA\OneDrive\Desktop>
```

9. Remove a file.



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

C:\Users\VIDISHA\OneDrive\Desktop>del delme.txt & dir delme.txt
Could Not Find C:\Users\VIDISHA\OneDrive\Desktop\delme.txt
 Volume in drive C has no label.
 Volume Serial Number is AC2D-0026

 Directory of C:\Users\VIDISHA\OneDrive\Desktop

File Not Found

C:\Users\VIDISHA\OneDrive\Desktop>
```

10. Delete a directory.



```
C:\Users\VIDISHA\OneDrive\Desktop>mkdir TempFolder & rd TempFolder & dir TempFolder
 Volume in drive C has no label.
 Volume Serial Number is AC2D-0026

 Directory of C:\Users\VIDISHA\OneDrive\Desktop

File Not Found
C:\Users\VIDISHA\OneDrive\Desktop>
```

11. Copy a file or directory.



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

C:\Users\VIDISHA\OneDrive\Desktop>
```

12. Switch to root user.

```
Command Prompt

C:\Users\VIDISHA\OneDrive\Desktop>whoami
desktop-khv52le\vidisha

C:\Users\VIDISHA\OneDrive\Desktop>_
```

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

```
Command Prompt

C:\Users\VIDISHA\OneDrive\Desktop>move task4_copy.txt JohnProject\
        1 file(s) moved.

C:\Users\VIDISHA\OneDrive\Desktop>
```

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

```
Command Prompt

C:\Users\VIDISHA\OneDrive\Desktop>findstr "Hello" task4.txt
Hello John

C:\Users\VIDISHA\OneDrive\Desktop>
```

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

```
Command Prompt

C:\Users\VIDISHA\OneDrive\Desktop>powershell -command "Get-Content task4.txt -TotalCount 1"
Hello John
C:\Users\VIDISHA\OneDrive\Desktop>
```

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

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

C:\Users\VIDISHA\OneDrive\Desktop>
```

17. Remove read permission from owner of the file.

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

C:\Users\VIDISHA\OneDrive\Desktop>
```

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

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

C:\Users\VIDISHA\OneDrive\Desktop>
```

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

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

C:\Users\VIDISHA\OneDrive\Desktop>_
```

19. Assign permission to users.

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

C:\Users\VIDISHA\OneDrive\Desktop>
```

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

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

C:\Users\VIDISHA\OneDrive\Desktop>_
```

21. Remove all permissions from all users.



```
C:\Users\VIDISHA\OneDrive\Desktop>icacls secure.txt /inheritance:r
processed file: secure.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\VIDISHA\OneDrive\Desktop>
```

22.Remove read permission from user using absolute mode.



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

C:\Users\VIDISHA\OneDrive\Desktop>
```

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



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

C:\Users\VIDISHA\OneDrive\Desktop>
```

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

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

C:\Users\VIDISHA\OneDrive\Desktop>
```

25.Add execute permission to all users.

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

C:\Users\VIDISHA\OneDrive\Desktop>
```