

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

```
C:\windows\system32\cmd.exe
REPLACE      Replaces files.
RMDIR        Removes a directory.
ROBOCOPY      Advanced utility to copy files and directory trees
SET           Displays, sets, or removes Windows environment variables.
SETLOCAL      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.

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

2. Change the current working directory of the user.

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

C:\Users\mankar\Desktop>cd %userprofile%

C:\Users\mankar>cd Desktop

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

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

```
C:\Users\mankar\Desktop>dir
Volume in drive C is Windows
Volume Serial Number is C8C8-8E8D

Directory of C:\Users\mankar\Desktop

11-12-2025  16:04    <DIR>          .
11-12-2025  16:04    <DIR>          ..
11-12-2025  16:04             2,445 Laxmi - Chrome.lnk
11-12-2025  15:10             2,489 Laxmi mankar - Chrome.lnk
21-09-2025  21:48    <DIR>          New folder
29-11-2021  05:02             0 New Microsoft PowerPoint Presentation.pptx
25-04-2025  08:30             1,394 Opera Browser.lnk
30-05-2024  22:38      421,019,048 QHAV64.EXE
14-09-2025  20:24             2,435 sbjit.lnk
14-05-2025  22:22             1,414 Visual Studio Code.lnk
26-10-2024  04:18             2,464 WPS Office.lnk
26-12-2025  22:10             2,558 WPS PDF.lnk
04-10-2024  17:10             871 Y200 5G - Shortcut.lnk
              10 File(s)      421,035,118 bytes
              3 Dir(s)   98,438,295,552 bytes free
```

4. Read, modify or concatenate text files.

```
C:\Users\mankar\Desktop>echo Hello World>task4.txt
```

```
C:\Users\mankar\Desktop>type task4.txt
```

```
Hello World
```

5. Create a new directory under any directory.

```
C:\Users\mankar\Desktop>mkdir Johnproject
```

```
C:\Users\mankar\Desktop>dir
```

```
Volume in drive C is Windows
```

```
Volume Serial Number is C8C8-8E8D
```

```
Directory of C:\Users\mankar\Desktop
```

```
13-01-2026 21:56 <DIR>      .
13-01-2026 21:56 <DIR>      ..
13-01-2026 21:56 <DIR>      Johnproject
11-12-2025 16:04          2,445 Laxmi - Chrome.lnk
11-12-2025 15:10          2,489 Laxmi mankar - Chrome.lnk
21-09-2025 21:48 <DIR>      New folder
29-11-2021 05:02          0 New Microsoft PowerPoint Presentation.pptx
25-04-2025 08:30          1,394 Opera Browser.lnk
30-05-2024 22:38       421,019,048 QHAV64.EXE
14-09-2025 20:24          2,435 sbjit.lnk
13-01-2026 21:55          13 task4.txt
14-05-2025 22:22          1,414 Visual Studio Code.lnk
26-10-2024 04:18          2,464 WPS Office.lnk
26-12-2025 22:10          2,558 WPS PDF.lnk
04-10-2024 17:10          871 Y200 5G - Shortcut.lnk
11 File(s)      421,035,131 bytes
4 Dir(s)      98,437,992,448 bytes free
```

6. Display the current working directory of the terminal.

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

```
C:\Users\mankar\Desktop
```

```
C:\Users\mankar\Desktop>
```

7. Write its arguments to standard output.

```
C:\Users\mankar\Desktop
```

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

```
This is Task 7 for Practical2
```

```
C:\Users\mankar\Desktop>_
```

8. Remove a file.

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

C:\Users\mankar\Desktop>del delme.txt & dir delme.txt
Could Not Find C:\Users\mankar\Desktop\delme.txt
Volume in drive C is Windows
Volume Serial Number is C8C8-8E8D

Directory of C:\Users\mankar\Desktop

File Not Found

C:\Users\mankar\Desktop>.
```

9. Delete a directory.

```
C:\Users\mankar\Desktop>mkdir TempFolder & rd TempFolder & dir TempFolder
Volume in drive C is Windows
Volume Serial Number is C8C8-8E8D

Directory of C:\Users\mankar\Desktop

File Not Found

C:\Users\mankar\Desktop>
```

10. Copy a file or directory.

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

C:\Users\mankar\Desktop>.
```

11. Switch to root user.

```
C:\Users\mankar\Desktop>whoami
laptop-tualch80\mankar

C:\Users\mankar\Desktop>.
```

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

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

C:\Users\mankar\Desktop>
```

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

```
2 1216(3) moved  
C:\Users\mankar\Desktop>findstr "Hello" task4.txt  
Hello World  
C:\Users\mankar\Desktop>
```

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

```
C:\Users\mankar\Desktop>powershell -command "Get-Content task4.txt -TotalCount 1"  
Hello World
```

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

```
C:\Users\mankar\Desktop>  
C:\Users\mankar\Desktop>powershell -command "Get-Content task4.txt -Tail 1"  
Hello World  
C:\Users\mankar\Desktop>.
```

16. Remove read permission from owner of the file.

```
C:\Users\mankar\Desktop>icacls secure.txt /deny %username%:R  
secure.txt: The system cannot find the file specified.  
Successfully processed 0 files; Failed processing 1 files  
C:\Users\mankar\Desktop>.
```

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

```
Invalid parameter /grant  
C:\Users\mankar\Desktop>icacls secure.txt /deny %username%:R  
secure.txt: The system cannot find the file specified.  
Successfully processed 0 files; Failed processing 1 files
```

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

```
C:\Users\mankar\Desktop>icacls secure.txt /grant %username%:R /remove %username%  
secure.txt: The system cannot find the file specified.  
Successfully processed 0 files; Failed processing 1 files
```

19. Assign permission to users.

```
C:\Users\mankar\Desktop>icacls secure.txt /grant %username%:R
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

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

```
C:\Users\mankar\Desktop>icacls secure.txt /grant Everyone:(R,W,M)
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

21. Remove all permissions from all users.

```
C:\Users\mankar\Desktop>icacls secure.txt /grant %username%:R /remove %username%
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

22. Remove read permission from user using absolute mode.

```
C:\Users\mankar\Desktop>icacls secure.txt /grant %username%:R
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

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

```
C:\Users\mankar\Desktop>icacls secure.txt /inheritance:r
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

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

```
C:\Users\mankar\Desktop>icacls secure.txt /inheritance:r /grant %username%:R
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

25. Add execute permission to all users.

```
C:\Users\mankar\Desktop>icacls secure.txt /grant Everyone:(X)
secure.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\mankar\Desktop>
```