

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 sbjitz.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 sbj1t.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.

```
1 file(s) 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.

```
Unapply 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:  
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>
```