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

```
Command Prompt        ×   +  ∨

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\Saniya Tagde>
```

2. Change the current working directory of the user.

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

C:\Users\Saniya Tagde>cd %userprofile%

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

C:\Users\Saniya Tagde>
```

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

```
C:\Users\Saniya Tagde>dir
 Volume in drive C is Windows
 Volume Serial Number is CA9B-F22D

 Directory of C:\Users\Saniya Tagde

15-01-2026  19:34    <DIR>          .
09-02-2025  13:17    <DIR>          ..
04-02-2025  19:43             6,579 -1.14-windows.xml
15-01-2026  19:34               126 .gitconfig
09-03-2025  12:17    <DIR>          .vscode
15-01-2026  19:30                 0 cd
09-02-2025  13:20    <DIR>          Contacts
06-11-2025  14:33    <DIR>          CrossDevice
19-01-2026  21:58                 0 dir
03-01-2025  13:31    <DIR>          Documents
16-01-2026  23:07    <DIR>          Downloads
09-02-2025  13:20    <DIR>          Favorites
09-02-2025  13:20    <DIR>          Links
09-02-2025  13:20    <DIR>          Music
19-01-2026  21:08    <DIR>          OneDrive
09-02-2025  13:20    <DIR>          Saved Games
09-02-2025  13:20    <DIR>          Searches
31-10-2025  07:42    <DIR>          Videos
               4 File(s)          6,705 bytes
              14 Dir(s)  122,117,001,216 bytes free
```

4. Read, modify or concatenate text files.

```
C:\Users\Saniya Tagde>echo Hello World>task4.txt

C:\Users\Saniya Tagde>type task4.txt
Hello World
```

5. Create a new directory under any directory.

```
C:\Users\Saniya Tagde>mkdir Johnproject

C:\Users\Saniya Tagde>dir
 Volume in drive C is Windows
 Volume Serial Number is CA9B-F22D

 Directory of C:\Users\Saniya Tagde

19-01-2026  22:04    <DIR>          .
09-02-2025  13:17    <DIR>          ..
04-02-2025  19:43             6,579 -1.14-windows.xml
15-01-2026  19:34               126 .gitconfig
09-03-2025  12:17    <DIR>          .vscode
15-01-2026  19:30                 0 cd
09-02-2025  13:20    <DIR>          Contacts
06-11-2025  14:33    <DIR>          CrossDevice
19-01-2026  21:58                 0 dir
03-01-2025  13:31    <DIR>          Documents
16-01-2026  23:07    <DIR>          Downloads
09-02-2025  13:20    <DIR>          Favorites
19-01-2026  22:04    <DIR>          Johnproject
09-02-2025  13:20    <DIR>          Links
09-02-2025  13:20    <DIR>          Music
19-01-2026  21:08    <DIR>          OneDrive
09-02-2025  13:20    <DIR>          Saved Games
09-02-2025  13:20    <DIR>          Searches
19-01-2026  22:01                13 task4.txt
31-10-2025  07:42    <DIR>          Videos
               5 File(s)          6,718 bytes
              15 Dir(s)  122,101,465,088 bytes free
```

6. Display the current working directory of the terminal.

```
C:\Users\Saniya Tagde>cd
C:\Users\Saniya Tagde

C:\Users\Saniya Tagde>
```

7. Write its arguments to standard output.

```
C:\Users\Saniya Tagde>
C:\Users\Saniya Tagde>echo This is Task 7 for Practical2
This is Task 7 for Practical2

C:\Users\Saniya Tagde>
```

8. Remove a file.

```
C:\Users\Saniya Tagde>echo temp > delme.txt & del delme.txt

C:\Users\Saniya Tagde>del delme.txt & dir delme.txt
Could Not Find C:\Users\Saniya Tagde\delme.txt
 Volume in drive C is Windows
 Volume Serial Number is CA9B-F22D

 Directory of C:\Users\Saniya Tagde

File Not Found

C:\Users\Saniya Tagde>
```

9. Delete a directory.

```
C:\Users\Saniya Tagde>mkdir TempFolder & rd TempFolder & dir TempFolder
 Volume in drive C is Windows
 Volume Serial Number is CA9B-F22D

 Directory of C:\Users\Saniya Tagde

File Not Found

C:\Users\Saniya Tagde>
```

10. Copy a file or directory.

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

C:\Users\Saniya Tagde>
```

11. Switch to root user.

```
C:\Users\Saniya Tagde>whoami
laptop-fsouomfo\saniya tagde

C:\Users\Saniya Tagde>
```

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

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

C:\Users\Saniya Tagde>
```

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

```
C:\Users\Saniya Tagde>findstr "Hello" task4.txt
Hello World

C:\Users\Saniya Tagde>
```

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

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

C:\Users\Saniya Tagde>
```

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

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

C:\Users\Saniya Tagde>
```

16. Remove read permission from owner of the file.

```
C:\Users\Saniya Tagde>icacls secure.txt /deny %saniya%:R
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

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

```
C:\Users\Saniya Tagde>icacls secure.txt /deny %saniya%:R
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

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

```
C:\Users\Saniya Tagde>icacls saniya.txt /grant %saniya%:R /remove %saniya%
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

19. Assign permission to users.

```
C:\Users\Saniya Tagde>icacls secure.txt /grant %saniya%:R
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

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

```
C:\Users\Saniya Tagde>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

C:\Users\Saniya Tagde>
```

21. Remove all permissions from all users.

```
C:\Users\Saniya Tagde>icacls saniya.txt /grant %saniya%:R /remove %saniya%
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

22. Remove read permission from user using absolute mode.

```
C:\Users\Saniya Tagde>icacls secure.txt /grant %saniya%:R
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

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

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

C:\Users\Saniya Tagde>
```

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

```
C:\Users\Saniya Tagde>icacls secure.txt /inheritance:r /grant %saniya%:R
%saniya%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Saniya Tagde>
```

25. Add execute permission to all users.

```
C:\Users\Saniya Tagde>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\Saniya Tagde>
```