Q1 .Display the user manual of any command that we can run on the terminal'

```
C:\Users\Ankit>help
For more information on a specific command, type HELP command-name
ASSOC          Displays or modifies file extension associations.
ATTRIB         Displays or changes file attributes.
BREAK          Sets or clears extended CTRL+C checking.
BCDEDIT        Sets properties in boot database to control boot loading.
CACLS          Displays or modifies access control lists (ACLs) of files.
CALL           Calls one batch program from another.
CD             Displays the name of or changes the current directory.
CHCP           Displays or sets the active code page number.
CHDIR          Displays the name of or changes the current directory.
CHKDSK         Checks a disk and displays a status report.
CHKNTFS        Displays or modifies the checking of disk at boot time.
CLS            Clears the screen.
CMD            Starts a new instance of the Windows command interpreter.
COLOR          Sets the default console foreground and background colors.
COMP           Compares the contents of two files or sets of files.
COMPACT        Displays or alters the compression of files on NTFS partitions.
CONVERT        Converts FAT volumes to NTFS.  You cannot convert the
               current drive.
COPY           Copies one or more files to another location.
DATE           Displays or sets the date.
DEL            Deletes one or more files.
DIR            Displays a list of files and subdirectories in a directory.
DISKPART       Displays or configures Disk Partition properties.
DOSKEY         Edits command lines, recalls Windows commands, and
               creates macros.
DRIVERQUERY    Displays current device driver status and properties.
ECHO           Displays messages, or turns command echoing on or off.
ENDLOCAL       Ends localization of environment changes in a batch file.
ERASE          Deletes one or more files.
EXIT           Quits the CMD.EXE program (command interpreter).
FC             Compares two files or sets of files, and displays the
               differences between them.
FIND           Searches for a text string in a file or files.
FINDSTR        Searches for strings in files.
FOR            Runs a specified command for each file in a set of files.
FORMAT         Formats a disk for use with Windows.
FSUTIL         Displays or configures the file system properties.
FTYPE          Displays or modifies file types used in file extension
```

```
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.
```

```
                       associations.
GOTO                   Directs the Windows command interpreter to a labeled line in
                       a batch program.
GPRESULT               Displays Group Policy information for machine or user.
HELP                   Provides Help information for Windows commands.
ICACLS                 Display, modify, backup, or restore ACLs for files and
                       directories.
IF                     Performs conditional processing in batch programs.
LABEL                  Creates, changes, or deletes the volume label of a disk.
MD                     Creates a directory.
MKDIR                  Creates a directory.
MKLINK                 Creates Symbolic Links and Hard Links
MODE                   Configures a system device.
MORE                   Displays output one screen at a time.
MOVE                   Moves one or more files from one directory to another
                       directory.
OPENFILES              Displays files opened by remote users for a file share.
PATH                   Displays or sets a search path for executable files.
PAUSE                  Suspends processing of a batch file and displays a message.
POPD                   Restores the previous value of the current directory saved by
                       PUSHD.
PRINT                  Prints a text file.
PROMPT                 Changes the Windows command prompt.
PUSHD                  Saves the current directory then changes it.
RD                     Removes a directory.
RECOVER                Recovers readable information from a bad or defective disk.
REM                    Records comments (remarks) in batch files or CONFIG.SYS.
REN                    Renames a file or files.
RENAME                 Renames a file or files.
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.
```

Q2. Change the current working directory of the user

```
C:\Users\Ankit>cd/

C:\>DRT
'DRT' is not recognized as an internal or external command,
operable program or batch file.

C:\>DTR
'DTR' is not recognized as an internal or external command,
operable program or batch file.

C:\>DIR
 Volume in drive C is Windows
 Volume Serial Number is 2A91-9DD6

 Directory of C:\

29-12-2025  00:41    <DIR>          Dev-Cpp
29-12-2025  13:40            12,288 DumpStack.log
13-12-2025  10:05    <DIR>          hp
18-12-2025  15:53    <DIR>          inetpub
22-12-2025  19:10    <DIR>          os
27-12-2025  19:29    <DIR>          OS_CM24067
01-04-2024  12:56    <DIR>          PerfLogs
12-01-2026  21:17    <DIR>          Program Files
08-01-2026  19:07    <DIR>          Program Files (x86)
01-01-2026  23:26    <DIR>          ShareHub
13-12-2025  22:45    <DIR>          swsetup
18-12-2025  16:08    <DIR>          Users
12-01-2026  21:18    <DIR>          Windows
               1 File(s)         12,288 bytes
              12 Dir(s)  423,585,304,576 bytes free

C:\>OS*
'OS*' is not recognized as an internal or external command,
operable program or batch file.

C:\>cd/OS*

C:\os>
```

Q3 . List all the contents in the current working directory

```
29-12-2025  00:41    <DIR>              Dev-Cpp
29-12-2025  13:40             12,288 DumpStack.log
13-12-2025  10:05    <DIR>              hp
18-12-2025  15:53    <DIR>              inetpub
22-12-2025  19:10    <DIR>              os
27-12-2025  19:29    <DIR>              OS_CM24067
01-04-2024  12:56    <DIR>              PerfLogs
12-01-2026  21:17    <DIR>              Program Files
08-01-2026  19:07    <DIR>              Program Files (x86)
01-01-2026  23:26    <DIR>              ShareHub
13-12-2025  22:45    <DIR>              swsetup
18-12-2025  16:08    <DIR>              Users
12-01-2026  21:18    <DIR>              Windows
              1 File(s)         12,288 bytes
             12 Dir(s)  423,585,304,576 bytes free
```

Q4 . Read, modify or concatenate text files.

```
C:\Users\Ankit>type
The syntax of the command is incorrect.

C:\Users\Ankit>icacls "ankit.txt" /grant %username%:(M)
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files
```

Q5 . Create a new directory under any directory.

```
C:\Users\Ankit>mkdir "Ankit"

C:\Users\Ankit>dir
 Volume in drive C is Windows
 Volume Serial Number is 2A91-9DD6

 Directory of C:\Users\Ankit

12-01-2026  22:15    <DIR>          .
18-12-2025  16:08    <DIR>          ..
27-12-2025  23:38             2,300 .bash_history
26-12-2025  11:52                70 .gitconfig
13-12-2025  10:04    <DIR>          .vscode
12-01-2026  22:15    <DIR>          Ankit
18-12-2025  22:16    <DIR>          Contacts
28-12-2025  23:58    <DIR>          CrossDevice
12-12-2025  21:05    <DIR>          Documents
08-01-2026  19:47    <DIR>          Downloads
18-12-2025  22:16    <DIR>          Favorites
18-12-2025  22:16    <DIR>          Links
18-12-2025  22:16    <DIR>          Music
12-01-2026  19:43    <DIR>          OneDrive
18-12-2025  22:16    <DIR>          Saved Games
18-12-2025  22:16    <DIR>          Searches
28-12-2025  20:33    <DIR>          Videos
               2 File(s)          2,370 bytes
              15 Dir(s)  423,813,853,184 bytes free

C:\Users\Ankit>
```

Q6. Display the current working directory of the terminal.

```
C:\Users\Ankit>cd
C:\Users\Ankit

C:\Users\Ankit>
```

Q7 . Write its arguments to standard output.

```
C:\Users\Ankit>echo
ECHO is on.

C:\Users\Ankit>
```

Q8. Remove a file

```
C:\Users\Ankit>del
The syntax of the command is incorrect.

C:\Users\Ankit>del ANKIT.txt
C:\Users\Ankit\ANKIT.txt\*, Are you sure (Y/N)? Y

C:\Users\Ankit>
```

Q9. Delete a directory

```
C:\Users\Ankit>del ANKIT
Could Not Find C:\Users\Ankit\ANKIT

C:\Users\Ankit>del ANKIT.txt
C:\Users\Ankit\ANKIT.txt\*, Are you sure (Y/N)? Y

C:\Users\Ankit>
```

Q10 . Copy a file or directory

```
C:\Users\Ankit>copy
The syntax of the command is incorrect.

C:\Users\Ankit>xcopy
Invalid number of parameters
0 File(s) copied

C:\Users\Ankit>
```

Q11. Switch to root-user.

```
C:\Users\Ankit>runas /user:Administrator cmd
Enter the password for Administrator:
Attempting to start cmd as user "ANKIT\Administrator" ...
RUNAS ERROR: Unable to run - cmd
1326: The user name or password is incorrect.

C:\Users\Ankit>runas /user:Administrator cmd
Enter the password for Administrator:
Attempting to start cmd as user "ANKIT\Administrator" ...
RUNAS ERROR: Unable to run - cmd
1326: The user name or password is incorrect.
```

Q12. Moves files and directory from one directory to another.

```
C:\Users\Ankit>move ANKIT
The system cannot find the file specified.

C:\Users\Ankit>MOVE ANKIT.txt
        1 dir(s) moved.
```

Q13 . Search for a particular string/word in a text file.

```
C:\Users\Ankit>find "word" filename.txt
File not found - FILENAME.TXT

C:\Users\Ankit>find "word" ANKIT.txt
Access denied - ANKIT.TXT
```

Q14. Print the top N-number of data of the given input

```
C:\Users\Ankit>more ankit.txt
Cannot access file C:\Users\Ankit\ankit.txt

C:\Users\Ankit>more ankit.txt
Cannot access file C:\Users\Ankit\ankit.txt

C:\Users\Ankit>more ANKIT.txt
Cannot access file C:\Users\Ankit\ANKIT.txt
```

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

```
C:\Users\Ankit>more data.txt
Cannot access file C:\Users\Ankit\data.txt

C:\Users\Ankit>more ankit.txt
Cannot access file C:\Users\Ankit\ankit.txt

C:\Users\Ankit>
```

Q16. Remove read permission from owner of the file

```
C:\Users\Ankit>icacls "ankit.txt" /deny %username%:R
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files
```

Q17. Add read permission to owner plus re move write permission and add write

Permission to group

```
C:\Users\Ankit>
C:\Users\Ankit>:: 2. Add Write Permission for a specific Group (e.g., "Users")
C:\Users\Ankit>icacls "ankit.txt" /grant "Users":(W)
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files
```

Q18. Add write permission to owner no permission to others.

```
C:\Users\Ankit>:: 1. Disable inheritance and copy current permissions
C:\Users\Ankit>icacls "filename.txt" /inheritance:d
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
C:\Users\Ankit>:: 2. Remove all permissions for 'Everyone' and 'Users' groups
C:\Users\Ankit>icacls "filename.txt" /remove "Everyone"
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>icacls "filename.txt" /remove "Users"
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
C:\Users\Ankit>:: 3. Grant the Owner (you) Full/Write access
C:\Users\Ankit>icacls "ankit.txt" /grant %username%:(W,R)
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Ankit>
```

Q19. Assign permission to users.

```
C:\Users\Ankit>icacls "C:\MyFolder\ankit.txt" /grant JohnDoe:(R,W)
JohnDoe: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
```

Q20 . Assign R/W/X to others.

```
C:\Users\Ankit>icacls "ankit.txt" /grant Everyone:(R,W,RX)
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Ankit>
```

Q21. Remove all permission from all users

```
C:\Users\Ankit>:: 1. Disable inheritance and remove all inherited permissions
C:\Users\Ankit>icacls "filename.txt" /inheritance:r
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
C:\Users\Ankit>:: 2. Remove all permissions for common groups
C:\Users\Ankit>icacls "filename.txt" /remove "Everyone"
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>icacls "filename.txt" /remove "Users"
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>icacls "filename.txt" /remove "Authenticated Users"
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>icacls "ankit.txt" /remove "Administrators"
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Ankit>
```

Q22. Remove read permission from user using absolute mode

```
C:\Users\Ankit>icacls "ankit.txt" /deny UserName:(R)
UserName: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
```

Q23. Add R/w permission to owner no permission to group and no permission to

Other using absolute mode

```
C:\Users\Ankit>:: 1. Disable inheritance and remove all existing permissions (The "Clean Slate")
C:\Users\Ankit>icacls "filename.txt" /inheritance:r
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
C:\Users\Ankit>:: 2. Grant the Owner Read (R) and Write (W) permissions only
C:\Users\Ankit>icacls "filename.txt" /grant %username%:(R,W)
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
C:\Users\Ankit>:: 3. Explicitly deny access to 'Everyone' (Others) and 'Users' (Group)
C:\Users\Ankit>icacls "filename.txt" /remove "Users"
filename.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>icacls "ankit.txt" /remove "Everyone"
processed file: ankit.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Ankit>
```

Q24. Add execute permission to owner, read permission to group and other.

```
C:\Users\Ankit>:: 1. Add Execute (and Read) permission to the Owner
C:\Users\Ankit>icacls "script.exe" /grant %username%:(RX)
script.exe: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>
C:\Users\Ankit>:: 2. Add Read permission to the Group (Users) and Others (Everyone)

C:\Users\Ankit>icacls "script.exe" /grant Users:(R)
script.exe: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\Ankit>icacls "script.exe" /grant Everyone:(R)
script.exe: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```

Q25 . Add execute permission to all user.

```
C:\Users\Ankit>icacls "ankit.exe" /grant Everyone:(RX)
ankit.exe: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
```