

COMMANDS

1. Display User Manual of a Command



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The text inside the window is as follows:

```
Microsoft Windows [Version 10.0.26100.7462]
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C:\Users\user>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.
```

FTYPE	Displays or modifies file types used in file extension 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 PUSH.
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.

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\user>dir
Volume in drive C is Windows
Volume Serial Number is 463B-D231
```

2. Change Current Working Directory.

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

3. List Contents of the Current Directory.

```
C:\Users\user>dir  
Volume in drive C is Windows  
Volume Serial Number is 463B-D231  
  
Directory of C:\Users\user  
  
19-01-2026  15:52    <DIR>          .  
25-03-2025  16:38    <DIR>          ..  
19-01-2026  15:41             1,527 .bash_history  
18-01-2026  20:39              65 .gitconfig  
18-01-2026  20:44              20 .lessht  
26-11-2024  03:39    <DIR>          .ms-ad  
11-03-2025  12:40    <DIR>          .vscode  
25-03-2025  19:56    <DIR>          Contacts  
19-01-2026  15:41    <DIR>          Desktop  
13-12-2025  22:01    <DIR>          Documents  
19-01-2026  15:08    <DIR>          Downloads  
25-03-2025  19:56    <DIR>          Favorites  
25-03-2025  19:56    <DIR>          Links  
25-03-2025  19:56    <DIR>          Music  
27-11-2024  04:42    <DIR>          OneDrive  
18-01-2026  18:14    <DIR>          OS_CD24003  
01-09-2025  20:51    <DIR>          Pictures  
12-03-2025  16:49             1,125 practical-2.html  
12-03-2025  16:38             1,927 rupali4.html  
25-03-2025  19:56    <DIR>          Saved Games  
25-03-2025  19:56    <DIR>          Searches  
06-10-2025  23:29    <DIR>          Videos  
                5 File(s)              4,664 bytes  
                17 Dir(s)  385,939,640,320 bytes free
```

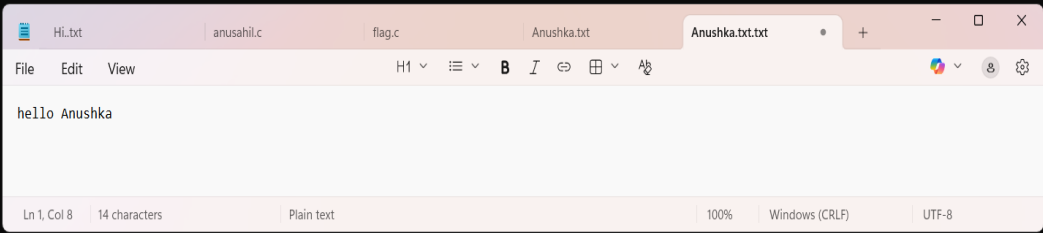
4. Read/Modify/Concatenate Text Files.

- Read a text file:

```
C:\Users\user\Desktop>echo hello > Anushka > Anushka.txt.txt  
  
C:\Users\user\Desktop>type Anushka.txt.txt  
hello  
  
C:\Users\user\Desktop>echo hello Anushka > Anushka.txt.txt  
  
C:\Users\user\Desktop>type Anushka.txt.txt  
hello Anushka
```

- Modify a text file

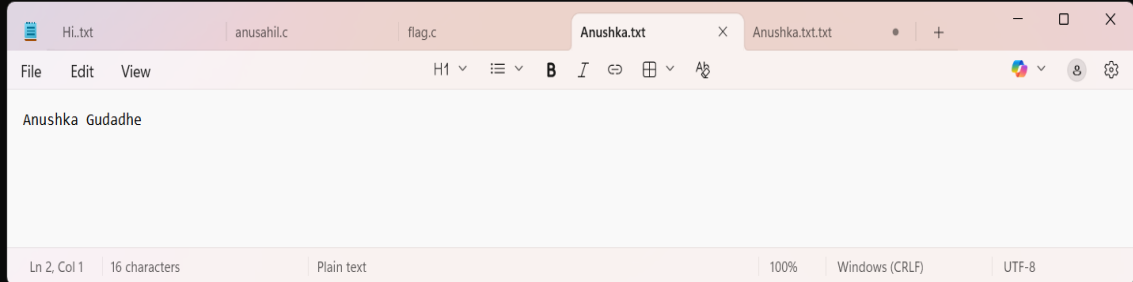
```
C:\Users\user\Desktop>notepad Anushka.txt.txt
C:\Users\user\Desktop>
```



The screenshot shows a Notepad window titled 'Anushka.txt.txt'. The menu bar includes 'File', 'Edit', and 'View'. The text 'hello Anushka' is entered. The status bar at the bottom indicates 'Ln 1, Col 8', '14 characters', 'Plain text', '100%', 'Windows (CRLF)', and 'UTF-8'.

- Concatenate text file

```
C:\Users\user\Desktop>Anushka.txt.txt Name Anushkas.txt
C:\Users\user\Desktop>
```



The screenshot shows a Notepad window titled 'Anushka.txt.txt'. The menu bar includes 'File', 'Edit', and 'View'. The text 'Anushka Gudadhe' is entered. The status bar at the bottom indicates 'Ln 2, Col 1', '16 characters', 'Plain text', '100%', 'Windows (CRLF)', and 'UTF-8'.

5. Create a New Directory.

```
C:\Users\user\Desktop> mkdir Practical

C:\Users\user\Desktop>md Practical
A subdirectory or file Practical already exists.
```

6. Display Current Working Directory.

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

7. Write its Arguments to Standard Output.

```
C:\Users\user\Desktop>echo Practical 0s  
Practical 0s
```

8. Remove a File.

```
C:\Users\user\Desktop>del A.txt  
  
C:\Users\user\Desktop>|
```

9. Delete a Directory.

```
C:\Users\user\Desktop>rmdir/s Anushka  
Anushka, Are you sure (Y/N)?  
Anushka, Are you sure (Y/N)? y  
The system cannot find the file specified.  
  
C:\Users\user\Desktop>|
```

10. Copy a File or Directory.

```
C:\Users\user\Desktop>copy Anushka.txt.txt Anushka.txt  
Overwrite Anushka.txt? (Yes/No/All): All  
1 file(s) copied.  
  
C:\Users\user\Desktop>|
```

11. Switch to Root User.

```
C:\Users\user\Desktop>runas /user:Administrator
RUNAS USAGE:

RUNAS [ [/noprofile | /profile] [/env] [/savecred | /netonly] ]
        /user:<UserName> program

RUNAS [ [/noprofile | /profile] [/env] [/savecred] ]
        /smartcard [/user:<UserName>] program

RUNAS [ [/machine:<MachineType>] ] /trustlevel:<TrustLevel> program

        /noprofile      specifies that the user's profile should not be loaded.
                        This causes the application to load more quickly, but
                        can cause some applications to malfunction.
        /profile        specifies that the user's profile should be loaded.
                        This is the default.
        /env            to use current environment instead of user's.
        /netonly        use if the credentials specified are for remote
                        access only.
        /savecred       to use credentials previously saved by the user.
        /smartcard      use if the credentials are to be supplied from a
                        smartcard.
        /user           <UserName> should be in form USER@DOMAIN or DOMAIN\USER
        /showtrustlevels displays the trust levels that can be used as arguments
                        to /trustlevel.
        /trustlevel     <Level> should be one of levels enumerated
                        in /showtrustlevels.
        /machine        specifies the machine architecture of the process.
                        <MachineType> should be one of x86|amd64|arm|arm64.
        program         command line for EXE. See below for examples

Examples:
> runas /noprofile /user:mymachine\administrator cmd
> runas /profile /env /user:mydomain\admin "mmc %windir%\system32\dsa.msc"
> runas /env /user:user@domain.microsoft.com "notepad \"my file.txt\""

NOTE: Enter user's password only when prompted.
NOTE: /profile is not compatible with /netonly.
NOTE: /savecred is not compatible with /smartcard.
```

12. Move Files or Directories

```
C:\Users\user\Desktop>move Anushka.txt.txt D:\Desktop
The system cannot find the drive specified.

C:\Users\user\Desktop>>move Anushka.txt D:\Desktop
```

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

```
C:\Users\user\Desktop>find "anushka" Anushka.txt  
  
----- ANUSHKA.TXT  
  
C:\Users\user\Desktop>|
```

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

```
C:\Users\user\Desktop>more Anushka.txt  
Anushka  
Palak  
Rupali  
Nandini  
Deepika  
Ayushi
```

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

```
C:\Users\user\Desktop>type Anushka.txt  
Anushka  
Palak  
Rupali  
Nandini  
Deepika  
Ayushi
```

16. Remove Read Permission from Owner.

```
C:\Users\user\Desktop>icacls Anushka.txt /deny "user":R  
processed file: Anushka.txt  
Successfully processed 1 files; Failed processing 0 files
```

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

```
C:\Users\user\Desktop>icacls Anushka.txt /grant "user":R  
processed file: Anushka.txt  
Successfully processed 1 files; Failed processing 0 files
```

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

```
C:\Users\user\Desktop>icacls Anushka.txt /grant "user":W  
processed file: Anushka.txt  
Successfully processed 1 files; Failed processing 0 files
```

19. Assign Permissions to Users.

```
C:\Users\user\Desktop>icacls Anushka.txt /grant "user":F  
processed file: Anushka.txt  
Successfully processed 1 files; Failed processing 0 files
```

20. Assign R/W/X to Others.

```
C:\Users\user\Desktop>icacls Anushkas.txt /grant "user":F  
Anushkas.txt: The system cannot find the file specified.  
Successfully processed 0 files; Failed processing 1 files  
  
C:\Users\user\Desktop>|
```

21. Remove All Permissions from All Users.

```
C:\Users\user\Desktop>icacls Anushka.txt /remove Everyone  
processed file: Anushka.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\user\Desktop>|
```


22. Remove Read Permission Using Absolute Mode.

```
C:\Users\user\Desktop>icacls Anushka.txt /deny "user":R
processed file: Anushka.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\user\Desktop>|
```

23. Set R/W for Owner, None for Group/Other.

```
C:\Users\user\Desktop>icacls Anushka.txt /grant "user":RW
processed file: Anushka.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\user\Desktop>|
```

```
C:\Users\user\Desktop>icacls Anushka.txt /remove Everyone
processed file: Anushka.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\user\Desktop>|
```

24. Add Execute for Owner, Read for Group/Others.

```
C:\Users\user\Desktop>icacls Anushka.txt /grant "user":RX Everyone:R
processed file: Anushka.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\user\Desktop>|
```

25. Add Execute Permission to All Users.

```
C:\Users\user\Desktop>icacls Anushka.txt /grant Everyone:RX  
processed file: Anushka.txt  
Successfully processed 1 files; Failed processing 0 files  
  
C:\Users\user\Desktop>
```