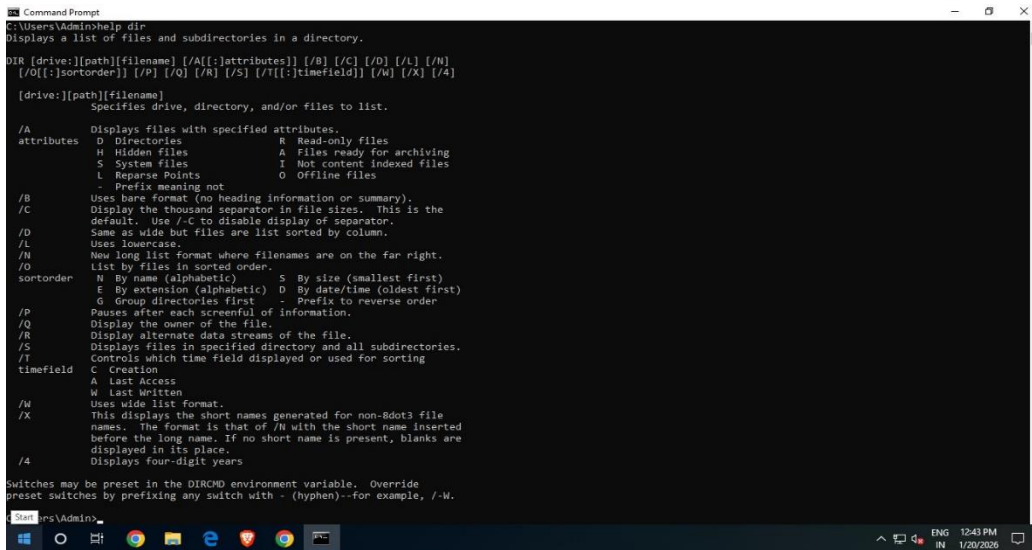


•9 Commands:

I . Display User Manual of a Command



```
Command Prompt
C:\Users\Admin>dir
Displays a list of files and subdirectories in a directory.

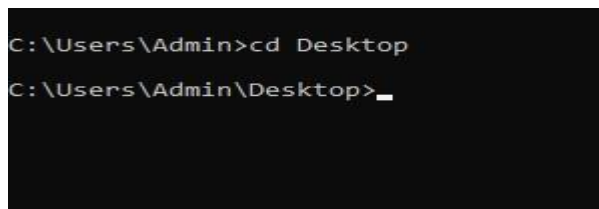
DIR [drive:][path][filename] [/A[:attributes]] [/B] [/C] [/D] [/L] [/N]
[/O[:sortorder]] [/P] [/Q] [/R] [/S] [/T[:timefield]] [/W] [/X] [/4]

[drive:][path][filename]
    Specifies drive, directory, and/or files to list.

/A
    Displays files with specified attributes.
attributes
    D Directories          R Read-only files
    H Hidden files        A Files ready for archiving
    S System files         I Not content indexed files
    L Reparse Points       O Offline files
    - Prefix meaning not
/B
    Uses bare format (no heading information or summary).
/C
    Display the thousand separator in file sizes. This is the
    default. Use /-C to disable display of separator.
/D
    Same as /W but files are list sorted by column.
/L
    Uses lowercase.
/N
    New long list format where filenames are on the far right.
/O
    List by files in sorted order.
sortorder
    N By name (alphabetic)      S By size (smallest first)
    E By extension (alphabetic) D By date/time (oldest first)
    G Group directories first   - Prefix to reverse order
/P
    Pauses after each screenful of information.
/Q
    Display the owner of the file.
/R
    Display alternate data streams of the file.
/S
    Displays files in specified directory and all subdirectories.
/T
    Controls which time field displayed or used for sorting
timefield
    C Creation
    A Last Access
    W Last Written
/W
    Uses wide list format.
/X
    This displays the short names generated for non-8dot3 file
    names. The format is that of /N with the short name inserted
    before the long name. If no short name is present, blanks are
    displayed in its place.
/4
    Displays four-digit years

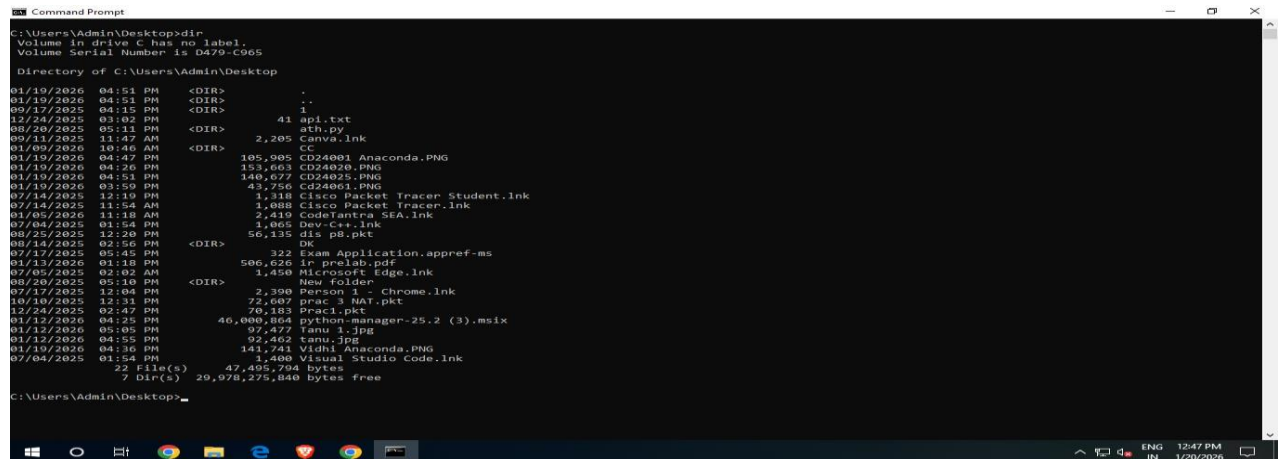
Switches may be preset in the DIRCMD environment variable. Override
preset switches by prefixing any switch with - (hyphen)--for example, /-W.
```

2. Change Current Working Directory.



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

3. List Contents of the Current Directory.



```
Command Prompt
C:\Users\Admin\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is D479-C965

Directory of C:\Users\Admin\Desktop

01/19/2026  04:51 PM  <DIR>          .
01/19/2026  04:51 PM  <DIR>          ..
12/24/2025  03:02 PM  <DIR>          1
08/20/2025  05:11 PM  <DIR>          41 apl.txt
09/11/2025  11:47 AM  <DIR>          2,205 Canva.lnk
01/09/2026  10:46 AM  <DIR>          CC
01/19/2026  04:47 PM  <DIR>          185,985 CD24001 Anaconda.PNG
01/19/2026  04:26 PM  <DIR>          153,663 CD24020.PNG
01/19/2026  04:51 PM  <DIR>          140,677 CD24025.PNG
01/19/2026  03:50 PM  <DIR>          43,756 CD24001.PNG
07/14/2025  12:19 PM  <DIR>          1,318 Cisco Packet Tracer Student.lnk
07/14/2025  11:54 AM  <DIR>          1,888 Cisco Packet Tracer.lnk
01/05/2026  11:18 AM  <DIR>          2,419 CodeTetra SEA.lnk
07/04/2025  01:54 PM  <DIR>          1,065 Dev-C++.lnk
08/25/2025  12:20 PM  <DIR>          56,135 dis p8.pkt
08/14/2025  02:56 PM  <DIR>          DK
07/17/2025  05:45 PM  <DIR>          322 Exam Application.appref-ms
01/13/2026  01:18 PM  <DIR>          506,626 lr prelab.pdf
07/05/2025  02:02 AM  <DIR>          1,450 Microsoft Edge.lnk
08/20/2025  05:10 PM  <DIR>          New folder
07/17/2025  12:04 PM  <DIR>          2,390 Person 1 - Chrome.lnk
10/10/2025  12:31 PM  <DIR>          72,607 prac 3 IAT.pkt
12/24/2025  02:47 PM  <DIR>          70,183 Prac1.pkt
01/12/2026  04:25 PM  <DIR>          46,000,864 python-manager-25.2 (3).msix
01/12/2026  05:05 PM  <DIR>          97,477 tanu.1.jpg
01/12/2026  04:55 PM  <DIR>          92,462 tanu.jpg
01/19/2026  04:36 PM  <DIR>          141,741 Vidhi Anaconda.PNG
07/04/2025  01:54 PM  <DIR>          1,400 Visual Studio Code.lnk

22 File(s)      47,405,794 bytes
7 Dir(s)        29,978,275,840 bytes free

C:\Users\Admin\Desktop>
```

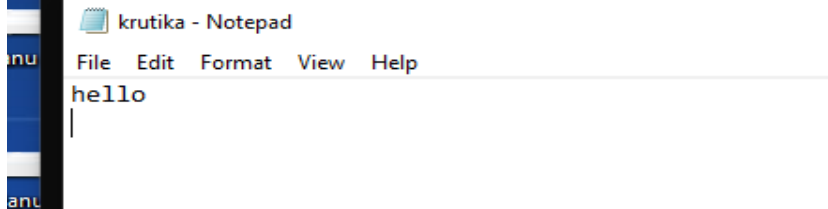
4. Read/Modify/Concatenate Text Files.

```
C:\Users\Admin\Desktop>type krutika.txt
hello

C:\Users\Admin\Desktop>
```

```
Select Command Prompt

C:\Users\Admin\Desktop>notepad krutika.txt
(3)
C:\Users\Admin\Desktop>
```



```
Command Prompt

C:\Users\Admin\Desktop>echo World > krutika2.txt
C:\Users\Admin\Desktop>type krutika.txt krutika2.txt > merged.txt
krutika.txt
krutika2.txt

C:\Users\Admin\Desktop>type merged.txt
hello
world
C:\Users\Admin\Desktop>
```

5. Create a New Directory.

```
Select Command Prompt

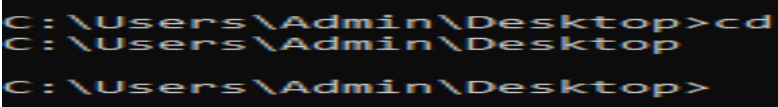
C:\Users\Admin\Desktop>mkdir Testos

C:\Users\Admin\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is D479-C965

Directory of C:\Users\Admin\Desktop

01/20/2026  01:07 PM  <DIR>          .
01/20/2026  01:07 PM  <DIR>          ..
09/17/2025  04:15 PM  <DIR>          1
12/24/2025  03:02 PM          41 apl.txt
08/20/2025  05:11 PM          ath.py
09/11/2025  11:47 AM  <DIR>          2,205 Canva.lnk
01/09/2026  10:46 AM  <DIR>          CC
01/19/2026  04:47 PM    105,905 CD24001 Anaconda.PNG
01/19/2026  04:26 PM    153,663 CD24020.PNG
01/19/2026  04:51 PM    140,677 CD24025.PNG
01/19/2026  03:59 PM    43,756 Cd24061.PNG
07/14/2025  12:19 PM    1,318 Cisco Packet Tracer Student.lnk
07/14/2025  11:54 AM    1,088 Cisco Packet Tracer.lnk
01/05/2026  11:18 AM    2,419 CodeTantra SEA.lnk
07/04/2025  01:54 PM    1,065 Dev-C++.lnk
08/25/2025  12:20 PM    56,135 dis p8.pkt
08/14/2025  02:56 PM  <DIR>          DK
07/17/2025  05:45 PM    322 Exam Application.appref-ms
01/13/2026  01:18 PM    506,626 ir prelab.pdf
01/20/2026  12:56 PM          8 krutika1.txt
01/20/2026  12:55 PM          8 krutika2.txt
01/20/2026  01:02 PM          8 krutika2.txt
01/20/2026  01:03 PM    16 merged.txt
07/05/2025  02:02 AM    1,450 Microsoft Edge.lnk
08/20/2025  05:10 PM  <DIR>          New folder
01/20/2026  01:07 PM          3 os.txt
07/17/2025  12:04 PM    2,390 Person 1 - Chrome.lnk
10/10/2025  12:31 PM    72,607 prac 3 NAT.pkt
12/24/2025  02:47 PM    70,183 Prac1.pkt
01/12/2026  04:25 PM   46,000,864 python-manager-25.2 (3).msix
01/12/2026  05:05 PM    97,477 Tanu 1.jpg
01/12/2026  04:55 PM    92,462 tanu.jpg
01/20/2026  01:07 PM  <DIR>          Testos
01/20/2026  12:48 PM  <DIR>          text.txt
01/19/2026  04:36 PM   141,741 Vidhi Anaconda.PNG
```

6. Display Current Working Directory.



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

A screenshot of a Windows command prompt window with a black background and white text. The prompt shows the user is in the directory C:\Users\Admin\Desktop. The user enters 'cd' to display the current directory, and the command prompt returns the same path. The prompt then returns to the command line.

7. Write Arguments to Standard Output.

```
Command Prompt - cmd
C:\Users\Admin\Desktop>echo Operating System Practical
Operating System Practical
C:\Users\Admin\Desktop>
```

8. Remove a File.

```
Command Prompt - cmd
C:\Users\Admin\Desktop>del krutika2.txt
C:\Users\Admin\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is D479-C965

Directory of C:\Users\Admin\Desktop

01/20/2026 01:11 PM <DIR> .
01/20/2026 01:11 PM <DIR> ..
09/17/2025 04:15 PM <DIR> 1
12/24/2025 03:02 PM          41 api.txt
08/20/2025 05:11 PM          ath.py
09/11/2025 11:47 AM          2,205 Canva.lnk
01/09/2026 10:46 AM          CC
01/19/2026 04:47 PM    105,905 CD24001 Anaconda.PNG
01/19/2026 04:26 PM    153,663 CD24020.PNG
01/19/2026 04:51 PM    140,677 CD24025.PNG
01/19/2026 03:59 PM    43,756 CD24061.PNG
07/14/2025 12:19 PM    1,318 Cisco Packet Tracer Student.lnk
07/14/2025 11:54 AM    1,088 Cisco Packet Tracer.lnk
01/05/2026 11:18 AM    2,419 Codeantra SEA.lnk
07/04/2025 01:54 PM    1,065 Dev-C++.lnk
08/25/2025 12:20 PM    56,135 dis p8.pkt
08/14/2025 02:56 PM          DK
07/17/2025 05:45 PM    322 Exam Application.appref-ms
01/13/2026 01:18 PM    506,626 ir prelab.pdf
01/20/2026 12:56 PM          8 krutika.txt
01/20/2026 12:55 PM          8 krutika1.txt
01/20/2026 01:03 PM    16 merged.txt
07/05/2025 02:02 AM    1,450 Microsoft Edge.lnk
08/20/2025 05:10 PM          New folder
01/20/2026 01:07 PM          3 os.txt
07/17/2025 12:04 PM    2,390 Person 1 - Chrome.lnk
10/10/2025 12:31 PM    72,607 prac 3 NAT.pkt
12/24/2025 02:47 PM    70,183 Prac1.pkt
01/12/2026 04:25 PM    46,000,864 python-manager-25.2 (3).msix
01/12/2026 05:05 PM    97,477 Tanu 1.jpg
01/12/2026 04:55 PM    92,462 tanu.jpg
01/20/2026 01:07 PM          <DIR> Testos
01/20/2026 12:48 PM          <DIR> text.txt
01/19/2026 04:36 PM    141,741 Vidhi Anaconda.PNG
07/04/2025 01:54 PM    1,400 Visual Studio Code.lnk
```

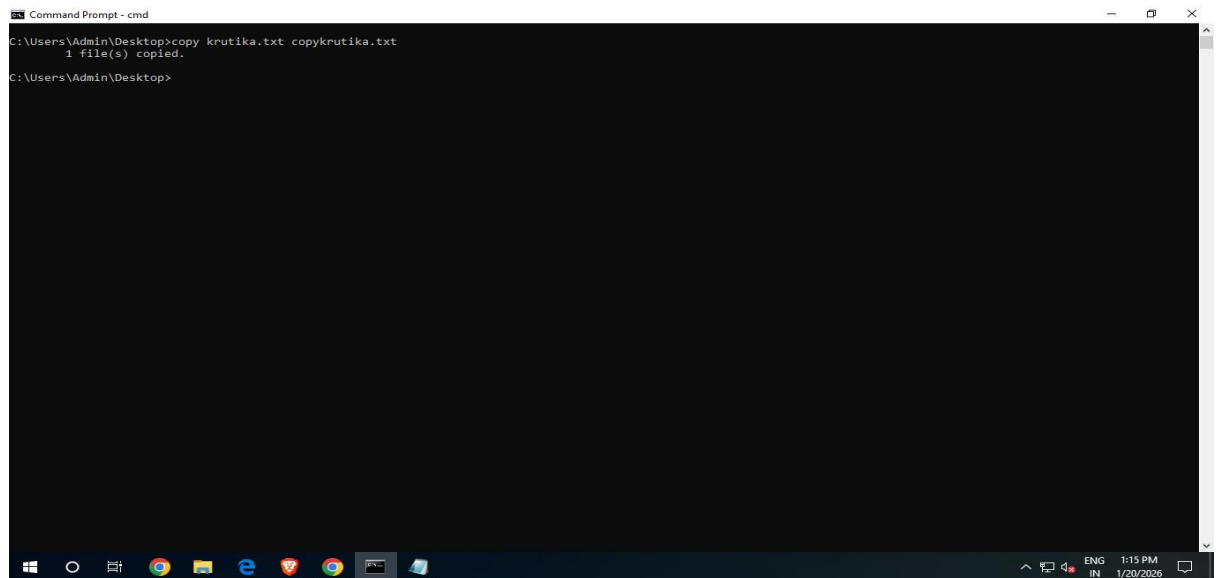
9. Delete a Directory.

```
Command Prompt - cmd
C:\Users\Admin\Desktop>rmdir Testos
C:\Users\Admin\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is D479-C965

Directory of C:\Users\Admin\Desktop

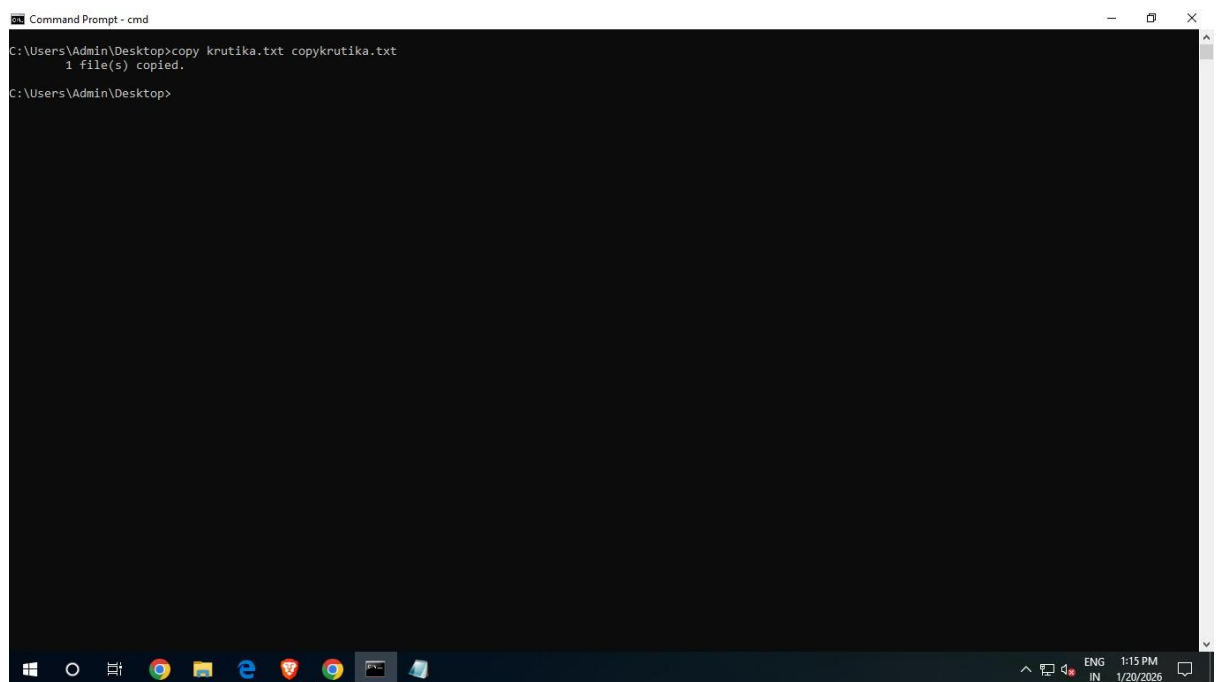
01/20/2026 01:13 PM <DIR> .
01/20/2026 01:13 PM <DIR> ..
09/17/2025 04:15 PM <DIR> 1
12/24/2025 03:02 PM          41 api.txt
08/20/2025 05:11 PM          ath.py
09/11/2025 11:47 AM          2,205 Canva.lnk
01/09/2026 10:46 AM          CC
01/19/2026 04:47 PM    105,905 CD24001 Anaconda.PNG
01/19/2026 04:26 PM    153,663 CD24020.PNG
01/19/2026 04:51 PM    140,677 CD24025.PNG
01/19/2026 03:59 PM    43,756 CD24061.PNG
07/14/2025 12:19 PM    1,318 Cisco Packet Tracer Student.lnk
07/14/2025 11:54 AM    1,088 Cisco Packet Tracer.lnk
01/05/2026 11:18 AM    2,419 Codeantra SEA.lnk
07/04/2025 01:54 PM    1,065 Dev-C++.lnk
08/25/2025 12:20 PM    56,135 dis p8.pkt
08/14/2025 02:56 PM          DK
07/17/2025 05:45 PM    322 Exam Application.appref-ms
01/13/2026 01:18 PM    506,626 ir prelab.pdf
01/20/2026 12:56 PM          8 krutika.txt
01/20/2026 12:55 PM          8 krutika1.txt
01/20/2026 01:03 PM    16 merged.txt
07/05/2025 02:02 AM    1,450 Microsoft Edge.lnk
08/20/2025 05:10 PM          New folder
01/20/2026 01:07 PM          3 os.txt
07/17/2025 12:04 PM    2,390 Person 1 - Chrome.lnk
10/10/2025 12:31 PM    72,607 prac 3 NAT.pkt
12/24/2025 02:47 PM    70,183 Prac1.pkt
01/12/2026 04:25 PM    46,000,864 python-manager-25.2 (3).msix
01/12/2026 05:05 PM    97,477 Tanu 1.jpg
01/12/2026 04:55 PM    92,462 tanu.jpg
01/20/2026 12:48 PM          <DIR> text.txt
01/19/2026 04:36 PM    141,741 Vidhi Anaconda.PNG
07/04/2025 01:54 PM    1,400 Visual Studio Code.lnk
26 File(s)
47,495,829 bytes
```

10. Copy a File or Directory.



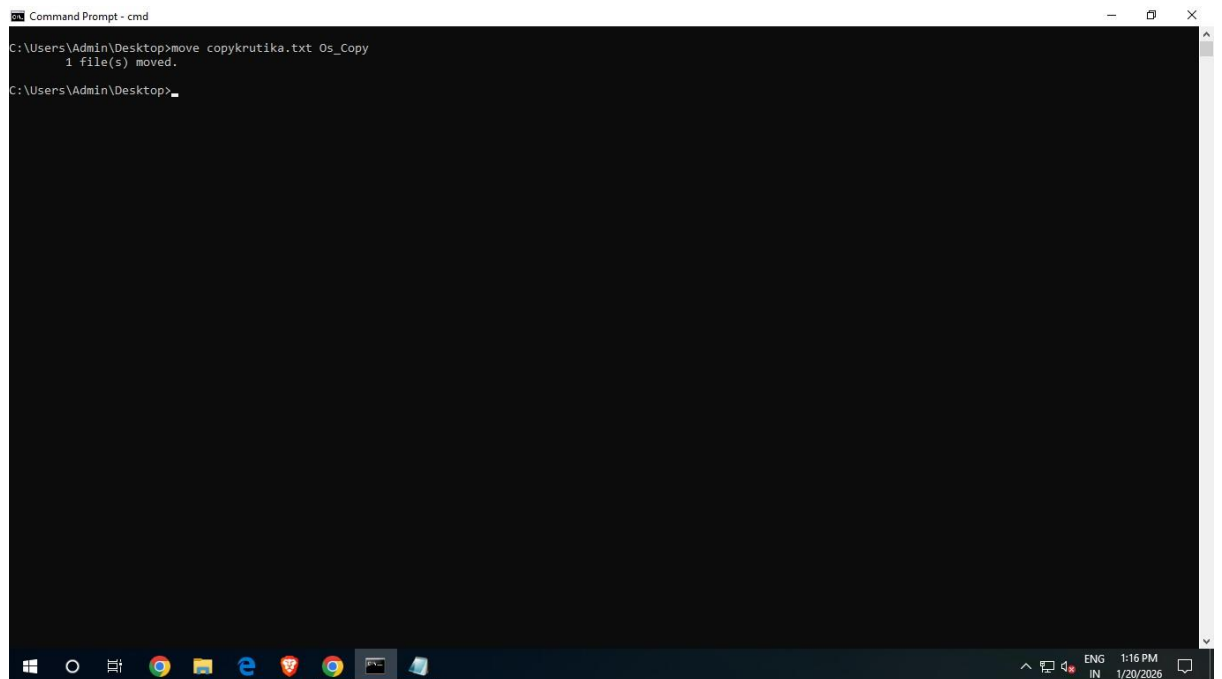
A screenshot of a Windows Command Prompt window titled "Command Prompt - cmd". The window has a black background with white text. The command prompt shows the following text:
C:\Users\Admin\Desktop>copy krutika.txt copykrutika.txt
1 file(s) copied.
C:\Users\Admin\Desktop>
The window is maximized, and the Windows taskbar is visible at the bottom. The taskbar includes the Start button, a search bar, and several application icons (Task View, File Explorer, Edge, Chrome, and the Command Prompt). The system tray on the right shows the date and time as 1:15 PM on 1/20/2026, along with language and volume icons.

11. Switch to Root User.



A screenshot of a Windows Command Prompt window titled "Command Prompt - cmd". The window has a black background with white text. The command prompt shows the following text:
C:\Users\Admin\Desktop>copy krutika.txt copykrutika.txt
1 file(s) copied.
C:\Users\Admin\Desktop>
The window is maximized, and the Windows taskbar is visible at the bottom. The taskbar includes the Start button, a search bar, and several application icons (Task View, File Explorer, Edge, Chrome, and the Command Prompt). The system tray on the right shows the date and time as 1:15 PM on 1/20/2026, along with language and volume icons.

12. Move Files or Directories.

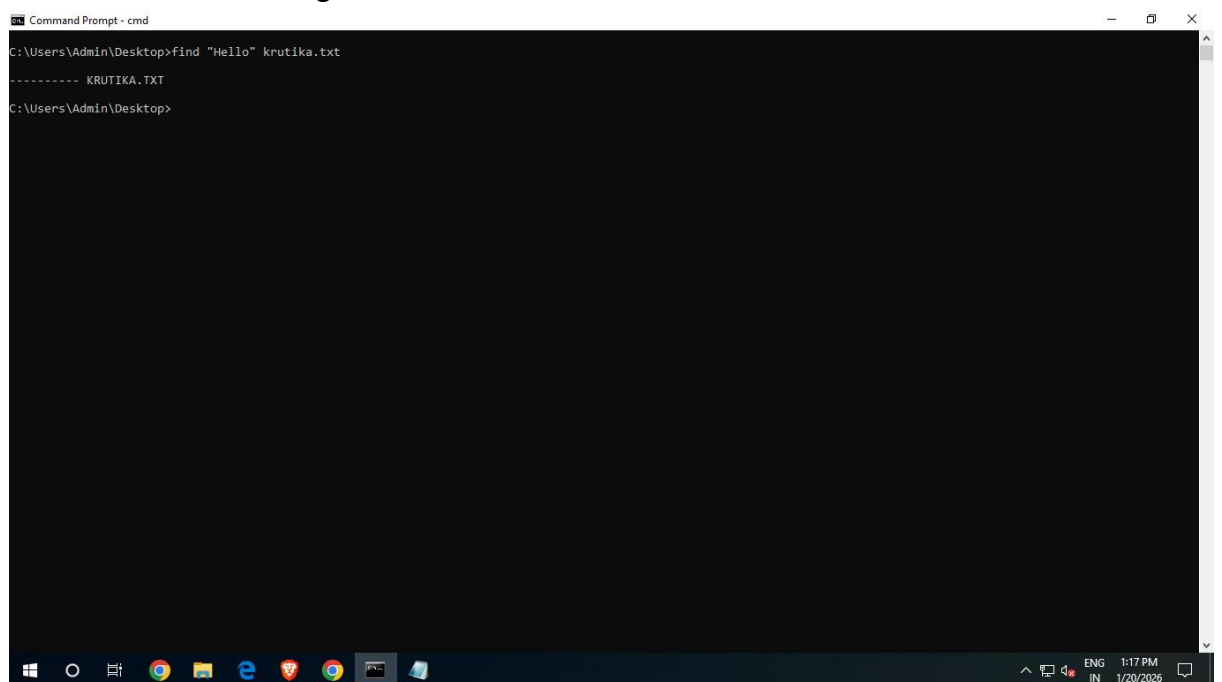


A screenshot of a Windows Command Prompt window titled "Command Prompt - cmd". The window shows the following text:

```
C:\Users\Admin\Desktop>move copykrutika.txt Os_Copy
1 file(s) moved.
C:\Users\Admin\Desktop>
```

The taskbar at the bottom shows various application icons, including Windows, Edge, Chrome, and File Explorer. The system tray on the right indicates the language is "ENG IN" and the date is "1/20/2026".

13. Search for a String in a File.

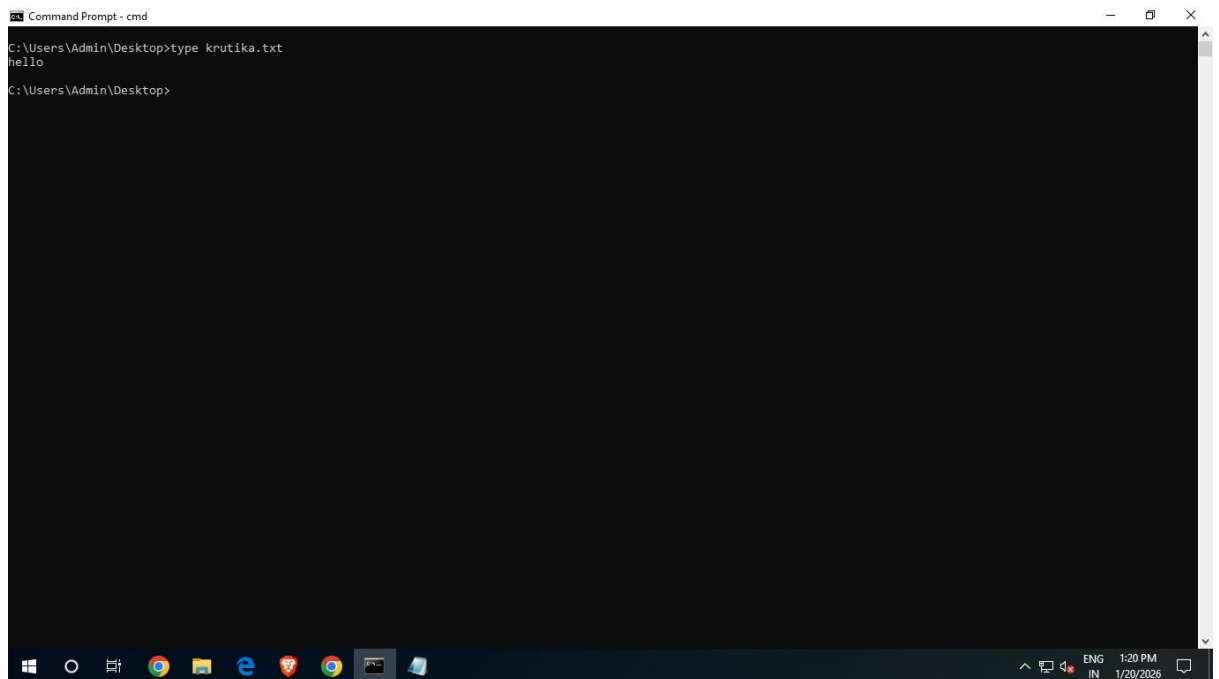


A screenshot of a Windows Command Prompt window titled "Command Prompt - cmd". The window shows the following text:

```
C:\Users\Admin\Desktop>find "Hello" krutika.txt
----- KRUTIKA.TXT
C:\Users\Admin\Desktop>
```

The taskbar at the bottom is identical to the previous screenshot, showing the same application icons and system tray information.

14. Print Top N Lines of a File.

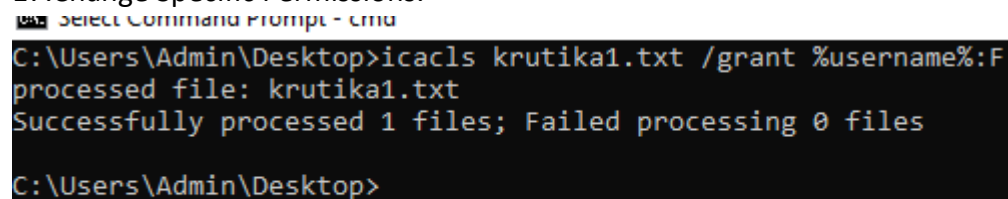


```
Command Prompt - cmd
C:\Users\Admin\Desktop>type krutika.txt
hello
C:\Users\Admin\Desktop>
```

16.Remove Read Permission from Owner.

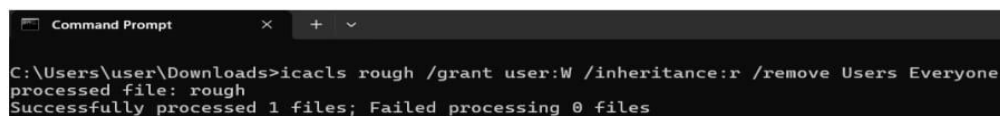
```
C:\Users\Admin\Desktop>icacls krutika1.txt /grant %username%:W /remove Everyone
processed file: krutika1.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\Admin\Desktop>Ss
```

17.Change Specific Permissions.



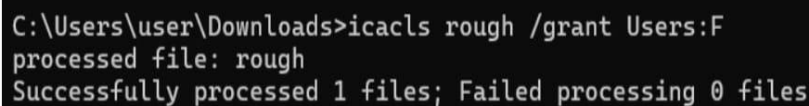
```
Select Command Prompt - cmd
C:\Users\Admin\Desktop>icacls krutika1.txt /grant %username%:F
processed file: krutika1.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\Admin\Desktop>
```

18.Add Write Permission to Owner, None to Others19



```
Command Prompt
C:\Users\user\Downloads>icacls rough /grant user:W /inheritance:r /remove Users Everyone
processed file: rough
Successfully processed 1 files; Failed processing 0 files
```

19.Assign Permissions to Users.



```
C:\Users\user\Downloads>icacls rough /grant Users:F
processed file: rough
Successfully processed 1 files; Failed processing 0 files
```

20.Assign R/W/X to Others.

```
C:\Users\91762\Desktop>icacls "%USERPROFILE%\Desktop\krutika.txt" /grant Everyone:(RX,W)
processed file: C:\Users\91762\Desktop\krutika.txt
Successfully processed 1 files; Failed processing 0 files
```

21.Remove All Permissions from All Users.

```
C:\Users\91762\Desktop>icacls "%USERPROFILE%\Desktop\krutika.txt" /inheritance:r
processed file: C:\Users\91762\Desktop\krutika.txt
Successfully processed 1 files; Failed processing 0 files
```

22.Remove Read Permission Using Absolute Mode.

```
C:\Users\91762\Desktop>icacls "%USERPROFILE%\Desktop\krutika.txt" /deny Everyone:R
processed file: C:\Users\91762\Desktop\krutika.txt
Successfully processed 1 files; Failed processing 0 files
```

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

```
C:\Users\91762\Desktop>icacls "%USERPROFILE%\Desktop\krutika.txt" /grant %username%:RW /remove Everyone
processed file: C:\Users\91762\Desktop\krutika.txt
Successfully processed 1 files; Failed processing 0 files
```

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

```
C:\Users\91762\Desktop> icacls file.txt /grant %username%:(X) /grant Everyone:R
file.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\91762\Desktop>icacls "%USERPROFILE%\Desktop\test.bat" /grant Everyone:(X)
processed file: C:\Users\91762\Desktop\test.bat
Successfully processed 1 files; Failed processing 0 files
```