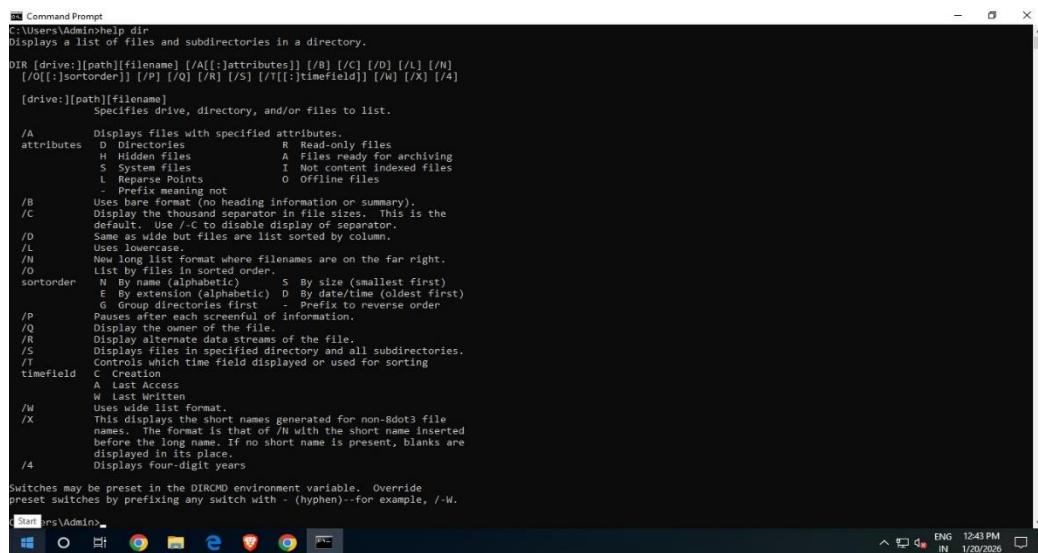


•9 Commands:

I. Display User Manual of a Command



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

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

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

/A
  Displays files with specified attributes:
    D Directories
    R Recursively
    H Hidden files
    A Files ready for archiving
    S System files
    I Not content indexed files
    L Reparse Points
    . Prefix meaning not

/B
  Uses bare format (no heading information or summary).

/C
  Delimits the numbered separator in file sizes. This is the
  default. Use /C to disable display of separator.

/D
  Same as wide but files are list sorted by column.

/L
  Uses lowercase.

/N
  New long list format where filenames are on the far right.

/O
  List of files in sorting order:
    E By name (alphabetic)      S By size (smallest first)
    B 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 file owner of files.

/R
  Displays alternate data streams of the file.

/S
  Displays files in specified directory and all subdirectories.

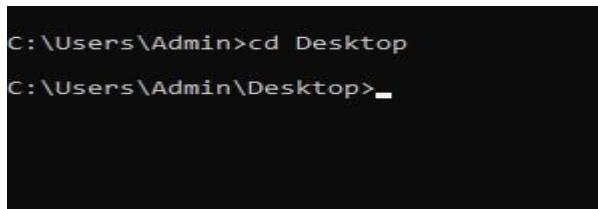
/T
  Controls which time field displayed or used for sorting.

/timefield
    C Creation
    A Last Access
    M Last Written
    W Last Written
    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.

C:\Users\Admin>
```

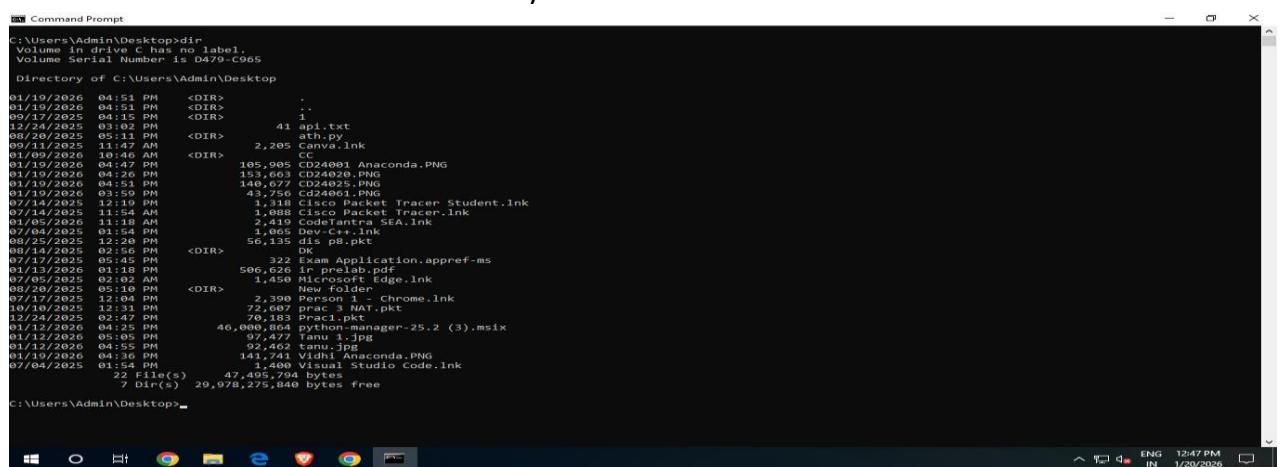
2. Change Current Working Directory.



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

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

3. List Contents of the Current Directory.



```
C:\Users\Admin\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is 0479-C965

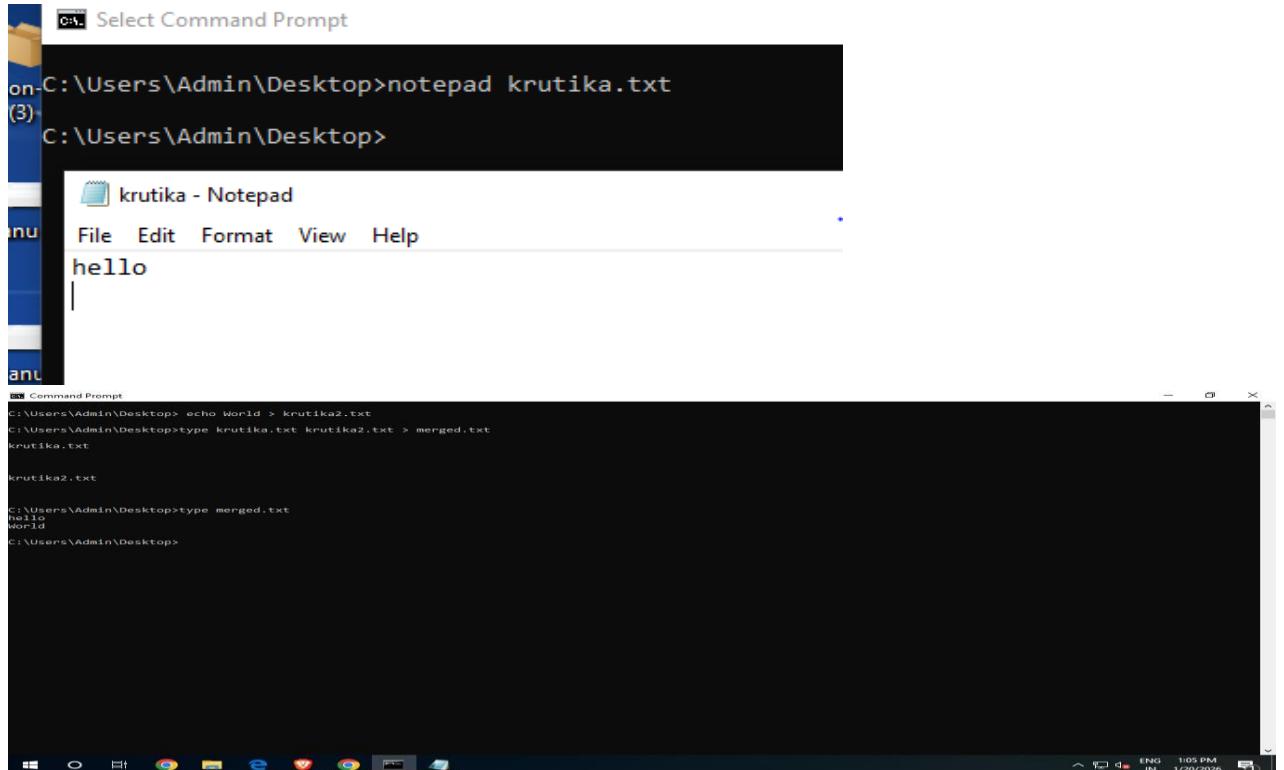
Directory of C:\Users\Admin\Desktop

01/19/2026  04:51 PM <DIR>          .
01/19/2026  04:51 PM <DIR>          ..
09/17/2025  04:15 PM <DIR>          i
12/20/2025  04:15 PM <DIR>          43 api.txt
08/20/2025  05:11 PM <DIR>          ath.py
09/11/2025  11:47 AM <DIR>          2,205 Canva.lnk
03/05/2025  04:47 PM <DIR>          c
01/19/2026  04:47 PM          105,905 CD24001 Anaconda.PNG
01/19/2026  04:26 PM          153,663 CD24020.PNG
03/05/2025  04:47 PM          146,000 Cisco Packet Tracer Student.lnk
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  12:19 PM          1,318 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
09/04/2025  01:54 PM          56,135 dls pb.pkt
08/14/2025  02:56 PM <DIR>          OK
07/17/2025  05:45 PM          322 Exam Application.appref-ms
01/19/2026  04:45 PM          506,626 Microsoft Edge.pdf
07/05/2025  02:02 PM          1,400 Microsoft Edge.lnk
08/20/2025  05:16 PM <DIR>          New Folder
07/14/2025  12:04 PM          2,300 Person - Chrome.lnk
10/18/2025  04:47 PM          72,007 Python - NAT.pkt
12/24/2025  02:47 PM          76,183 Prac1.pkt
01/12/2026  04:30 PM          46,000,864 python-Manager-25.2 (3).msix
01/12/2026  04:05 PM          97,160 Python - 1-JPB
01/12/2026  04:55 PM          92,462 tanu.JPG
01/19/2026  04:36 PM          141,743 Vdjh1 Anaconda.PNG
07/04/2025  01:54 PM          1,065 Visual Studio Code.lnk
22 File(s)          47,495,794 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
```



5. Create a New Directory.

```
C:\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

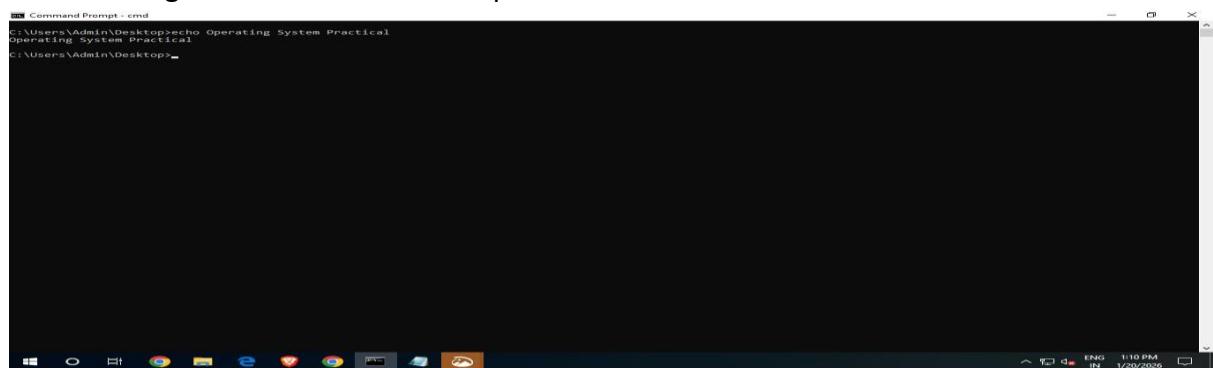
Directory of C:\Users\Admin\Desktop

01/20/2026  01:07 PM    <DIR>          .
01/20/2026  01:07 PM    <DIR>          ..
09/17/2025  04:15 PM    <DIR>          i
12/24/2025  03:02 PM           41 api.txt
08/20/2025  05:11 PM    <DIR>          ath.py
09/11/2025  11:47 AM           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 krutika.txt
01/20/2026  12:55 PM           8 krutika1.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           1,458 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           2,396 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.

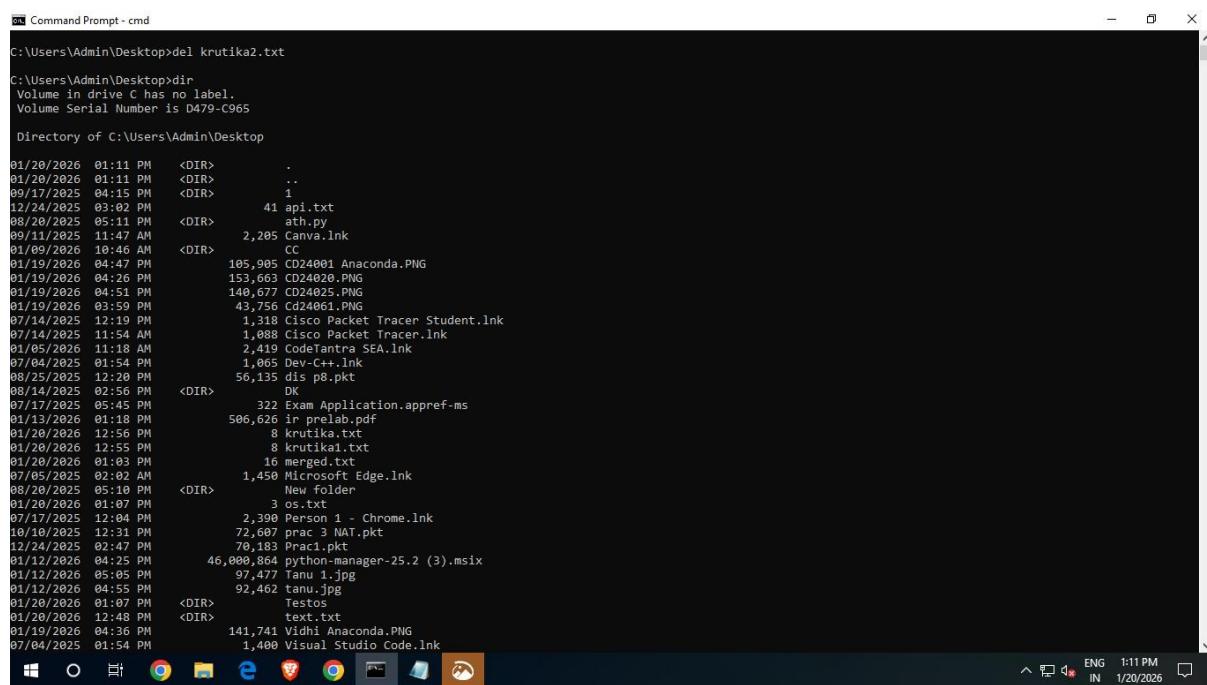
```
C:\Users\Admin\Desktop>cd  
C:\Users\Admin\Desktop  
C:\Users\Admin\Desktop>
```

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.



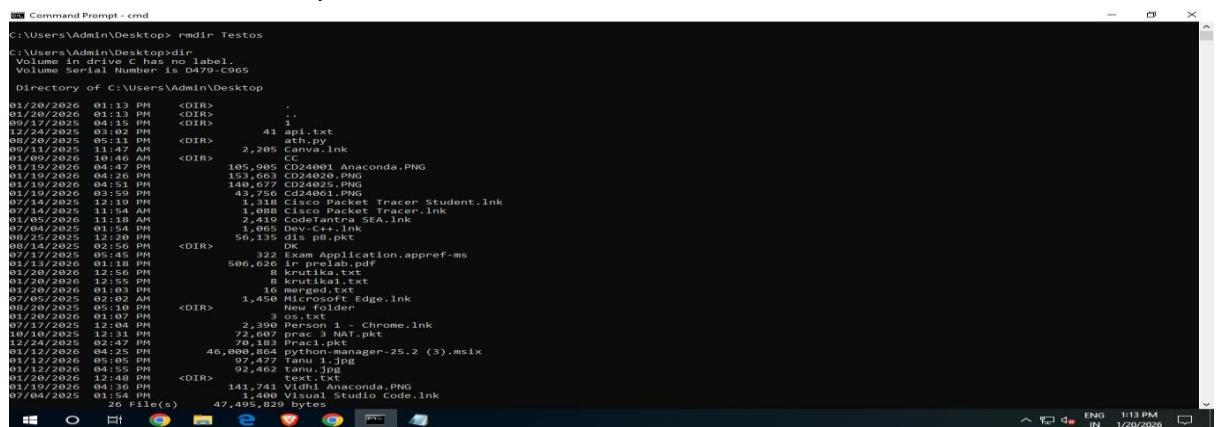
```
Command Prompt - cmd
C:\Users\Admin\Desktop>del krutika2.txt

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

Directory of C:\Users\Admin\Desktop

01/29/2026  01:11 PM    <DIR>          .
01/29/2026  01:11 PM    <DIR>          ..
09/17/2025  04:15 PM    <DIR>          1
12/24/2025  03:07 PM          41 api.txt
08/20/2025  05:11 PM    <DIR>          ath.py
09/11/2025  11:47 AM          2,205 Canva.ink
01/09/2026  10:46 AM    <DIR>          CC
01/19/2026  04:47 PM          185,985 CD24001 Anaconda.PNG
01/19/2026  04:26 PM          153,663 CD24020.PNG
01/19/2026  04:51 PM          148,677 CD24025.PNG
01/19/2026  03:59 PM          43,756 CD24061.PNG
07/14/2025  12:19 PM          1,318 Cisco Packet Tracer Student.link
07/14/2025  11:54 AM          1,088 Cisco Packet Tracer.link
01/05/2026  11:18 AM          2,419 CodeAntra SEA.link
07/04/2025  01:54 PM          1,065 Dev-C++.link
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
01/28/2026  12:56 PM          8 krutika.txt
01/28/2026  12:55 PM          8 krutika1.txt
01/28/2026  01:03 PM          16 merged.txt
07/05/2025  02:02 AM          1,458 Microsoft Edge.link
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.link
10/10/2025  12:31 PM          72,607 prac 3 NAT.pkt
12/24/2025  02:47 PM          78,183 Prac1.pkt
01/13/2026  04:25 PM          46,000,864 python-manager-25.2 (3).msix
01/13/2026  05:05 PM          97,477 tanu 1.jpg
01/13/2026  04:55 PM          92,462 tanu.jpg
01/28/2026  01:07 PM    <DIR>          Testos
01/28/2026  12:49 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.link
```

9. Delete a Directory.

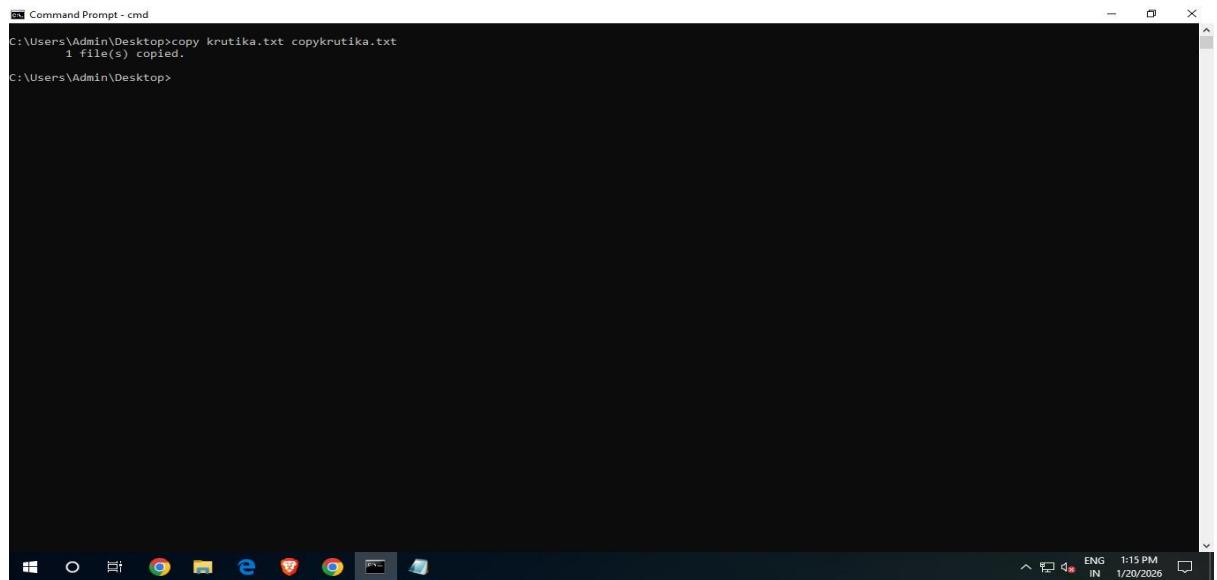


```
Command Prompt - cmd
C:\Users\Admin\Desktop>rmdir Testos
Volume in drive C has no label.
Volume Serial Number is D479-C965

Directory of C:\Users\Admin\Desktop

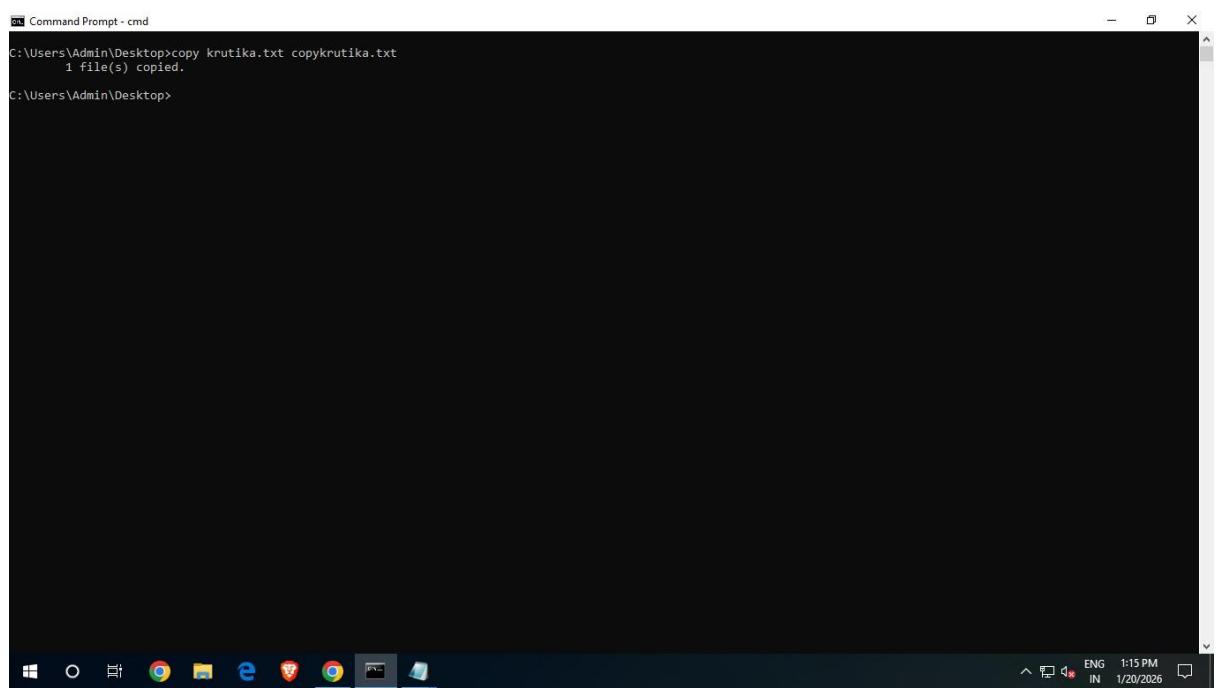
01/20/2026  01:13 PM    <DIR>          .
01/20/2026  01:13 PM    <DIR>          ..
09/17/2025  04:15 PM    <DIR>          1
12/24/2025  03:02 PM          41 api.txt
08/20/2025  05:10 PM    <DIR>          ath.py
09/11/2025  11:47 AM          2,205 Canva.ink
01/09/2026  10:46 AM    <DIR>          CC
01/19/2026  04:26 PM          105,985 CD24001 Anaconda.PNG
01/19/2026  04:51 PM          153,663 CD24020.PNG
01/19/2026  04:51 PM          148,677 CD24025.PNG
07/14/2025  12:19 PM          1,318 Cisco Packet Tracer Student.link
07/14/2025  11:54 AM          1,088 Cisco Packet Tracer.link
01/05/2026  11:18 AM          2,419 CodeAntra SEA.link
07/04/2025  01:54 PM          1,065 Dev-C++.link
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
01/28/2026  12:56 PM          8 krutika.txt
01/28/2026  12:55 PM          8 krutika1.txt
01/28/2026  01:03 PM          16 merged.txt
07/05/2025  02:02 AM          1,458 Microsoft Edge.link
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.link
10/10/2025  12:31 PM          72,607 prac 3 NAT.pkt
12/24/2025  02:47 PM          78,183 Prac1.pkt
01/13/2026  04:25 PM          46,000,864 python-manager-25.2 (3).msix
01/13/2026  05:05 PM          97,477 tanu 1.jpg
01/12/2026  04:55 PM          92,462 tanu.jpg
01/19/2026  04:36 PM    <DIR>          141,741 Vidhi Anaconda.PNG
07/04/2025  01:54 PM          1,400 Visual Studio Code.link
2 File(s) 47,495,820 Bytes
```

10. Copy a File or Directory.



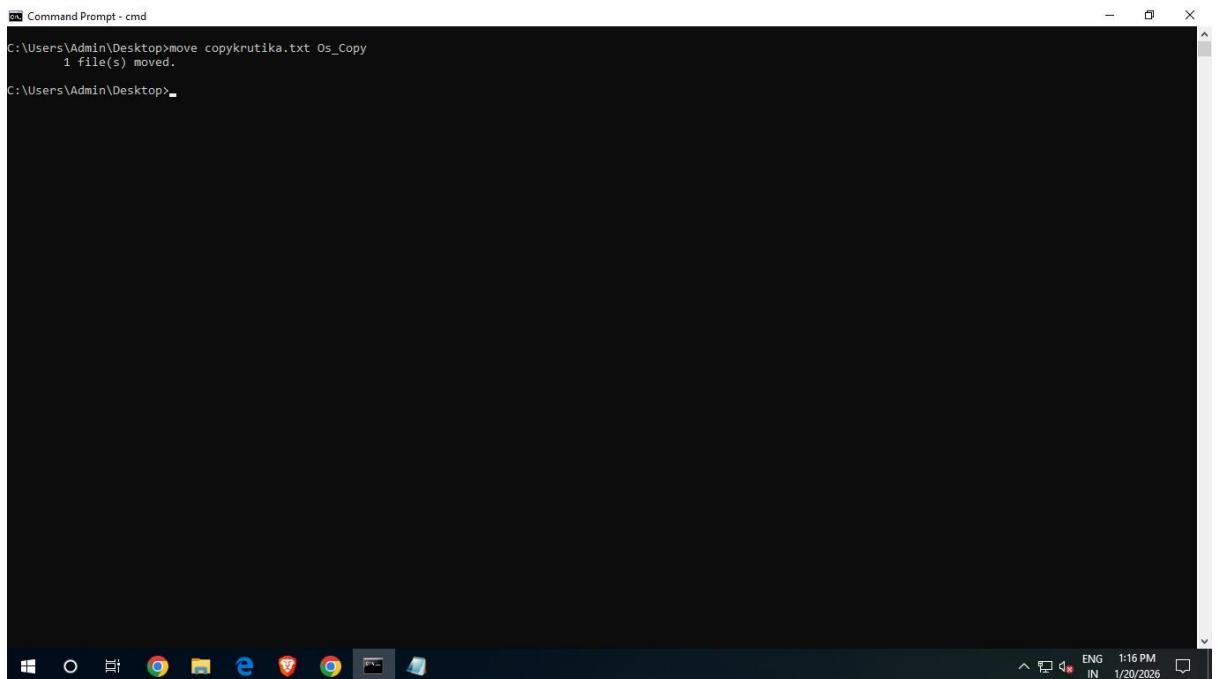
```
Command Prompt - cmd
C:\Users\Admin\Desktop>copy krutika.txt copykrutika.txt
1 file(s) copied.
C:\Users\Admin\Desktop>
```

11. Switch to Root User.



```
Command Prompt - cmd
C:\Users\Admin\Desktop>copy krutika.txt copykrutika.txt
1 file(s) copied.
C:\Users\Admin\Desktop>
```

12. Move Files or Directories.



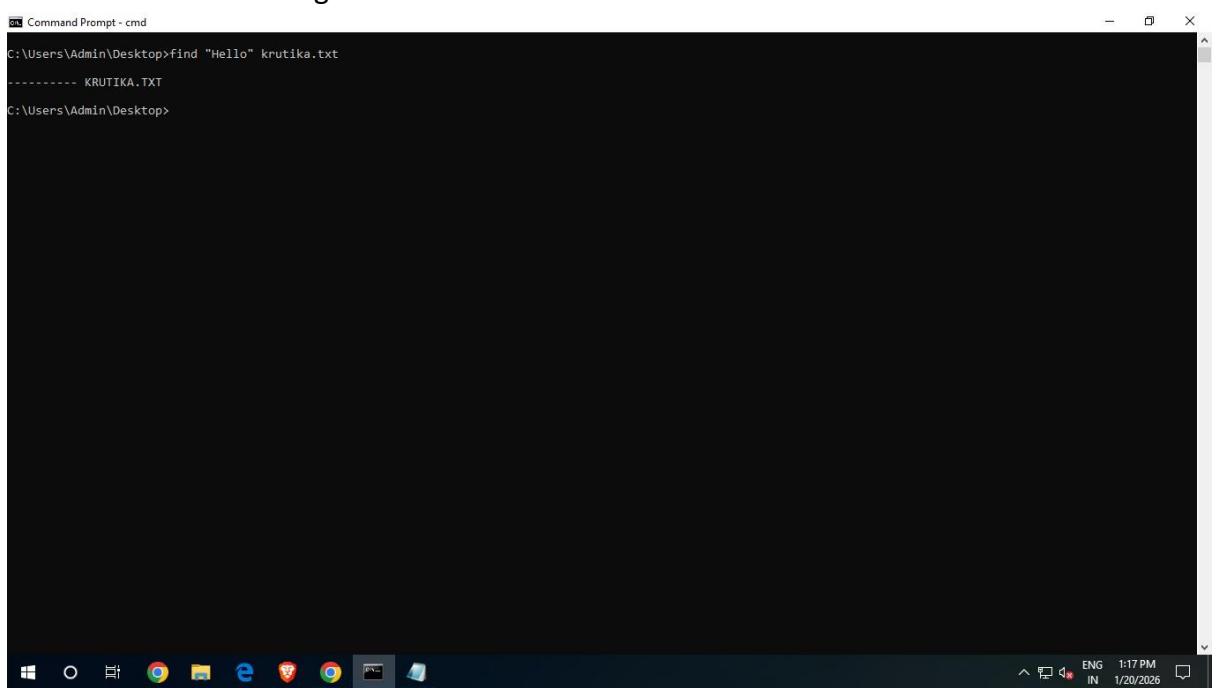
Command Prompt - cmd

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

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

The screenshot shows a Windows Command Prompt window titled "Command Prompt - cmd". The command "move copykrutika.txt Os_Copy" is entered and executed, resulting in the message "1 file(s) moved.". The window has standard minimize, maximize, and close buttons at the top right. The taskbar at the bottom shows various pinned icons like File Explorer, Edge, and Task View, along with system status indicators for battery level, signal strength, and date/time (1/20/2026, 1:16 PM).

13. Search for a String in a File.



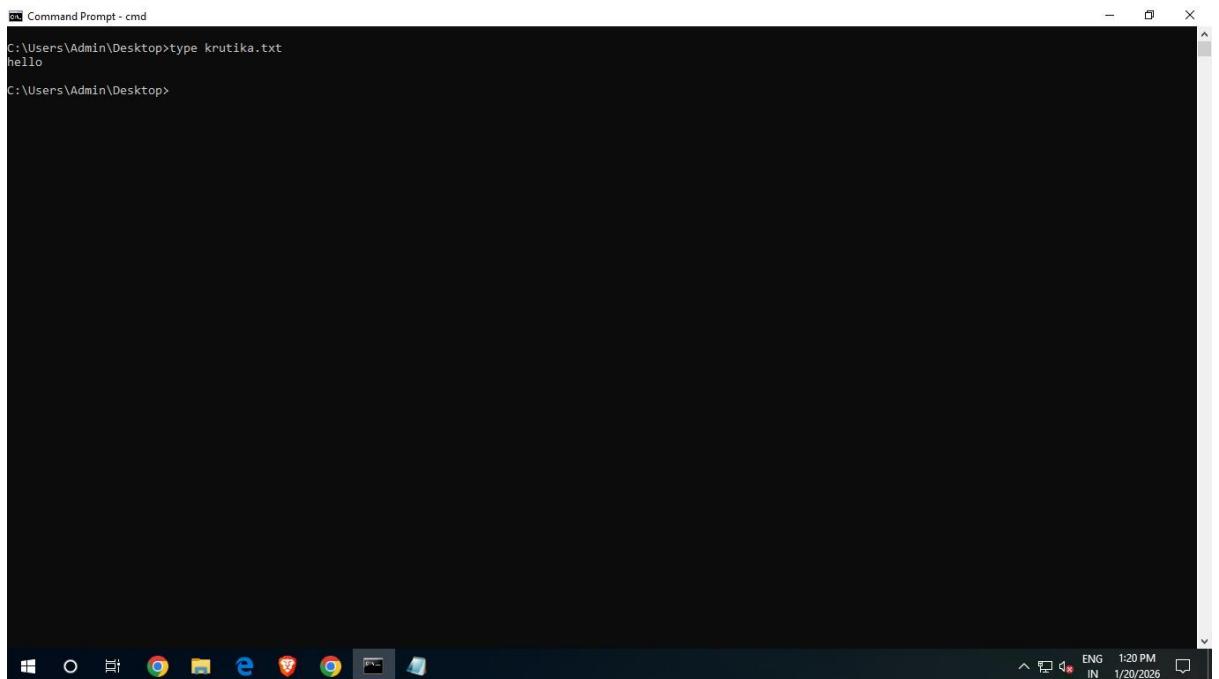
Command Prompt - cmd

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

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

The screenshot shows a Windows Command Prompt window titled "Command Prompt - cmd". The command "find "Hello" krutika.txt" is entered and executed, resulting in the output "----- KRUTIKA.TXT". The window has standard minimize, maximize, and close buttons at the top right. The taskbar at the bottom shows various pinned icons like File Explorer, Edge, and Task View, along with system status indicators for battery level, signal strength, and date/time (1/20/2026, 1:17 PM).

14. Print Top N Lines of a File.



```
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.

```
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 Others

```
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.

```
I:\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.

```
I:\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
```