

LINUX TERMINAL :

```
Jan 17 18:15
ubuntu@ubuntu: ~
ubuntu@ubuntu:~$ man ls
ubuntu@ubuntu:~$ cd Documents
ubuntu@ubuntu:~/Documents$ cd
ubuntu@ubuntu:~$ ls
Desktop  Downloads  Pictures  Templates  file.txt  newdir  output.txt
Documents Music    Public    Videos    filenameo outfile  snap
ubuntu@ubuntu:~$ nano file1.txt
ubuntu@ubuntu:~$ nanp file2.txt
Command 'nanp' not found, did you mean:
  command 'nano' from deb nano (7.2-2ubuntu0.1)
Try: sudo apt install <deb name>
ubuntu@ubuntu:~$ nano file2.txt
ubuntu@ubuntu:~$ cat file1.txt
hello barkha
ubuntu@ubuntu:~$ cat file1.txt file2.txt >> output.txt
ubuntu@ubuntu:~$ cat output.txt
hello barkha
hello barkha 2
ubuntu@ubuntu:~$ mkdir newdir1
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ echo Hello World
Hello World
ubuntu@ubuntu:~$ rm file1.txt
ubuntu@ubuntu:~$ rmdir newdir
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ ls
Desktop  Downloads  Pictures  Templates  file.txt  filenameo  outfile  snap
```

```
Jan 17 18:16
ubuntu@ubuntu: ~
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ ls
Desktop  Downloads  Pictures  Templates  file.txt  filenameo  outfile  snap
Documents Music    Public    Videos    file2.txt newdir1    output.txt
ubuntu@ubuntu:~$ cp file2.txt Documents/
ubuntu@ubuntu:~$ cd Documents
ubuntu@ubuntu:~/Documents$ ls
file2.txt
ubuntu@ubuntu:~/Documents$ cd
ubuntu@ubuntu:~$ sudo su'
> ^C
ubuntu@ubuntu:~$ sudo su
root@ubuntu:/home/ubuntu#
root@ubuntu:/home/ubuntu# mv file.txt newdir/
mv: cannot move 'file.txt' to 'newdir/': Not a directory
root@ubuntu:/home/ubuntu# mkdir newdir/
root@ubuntu:/home/ubuntu# mv file.txt newdir/
root@ubuntu:/home/ubuntu# cd newdir/
root@ubuntu:/home/ubuntu/newdir# ls
file.txt
root@ubuntu:/home/ubuntu/newdir# cd
root@ubuntu:~# ^C
root@ubuntu:~# sudo s
sudo: s: command not found
root@ubuntu:~# sudo ubuntu
sudo: ubuntu: command not found
root@ubuntu:~# exit
exit
ubuntu@ubuntu:~$ grep "barkha" file2.txt
hello barkha 2
```



```
Jan 17 18:16
ubuntu@ubuntu: ~
ubuntu@ubuntu: ~
sudo: ubuntu: command not found
root@ubuntu:~# exit
exit
ubuntu@ubuntu:~$ grep "barkha" file2.txt
hello barkha 2
ubuntu@ubuntu:~$ gedit file.txt
Command 'gedit' not found, but can be installed with:
sudo apt install gedit
ubuntu@ubuntu:~$ gedit file.txt
ubuntu@ubuntu:~$ head -n 5 file.txt
i
am
an
student
doing
ubuntu@ubuntu:~$ tail -n 1 file.txt
ubuntu@ubuntu:~$ tail -n 2 file.txt
undergraduate
ubuntu@ubuntu:~$ chmod u-r file.txt
ubuntu@ubuntu:~$ chmod u+r,w-x,g+w file.txt
chmod: invalid mode: 'u+r,w-x,g+w'
Try 'chmod --help' for more information.
ubuntu@ubuntu:~$ chmod u+w,o-rwx file.txt
ubuntu@ubuntu:~$ chmod u+rwx,g+rx,o+r file.txt
ubuntu@ubuntu:~$ chmod o+rwx file.txt
ubuntu@ubuntu:~$ chmod a-rwx file.txt
ubuntu@ubuntu:~$ chmod 700 file.txt
ubuntu@ubuntu:~$ chmod 600 file.txt
ubuntu@ubuntu:~$ chmod u+x,g+r,o+r file.txt
```

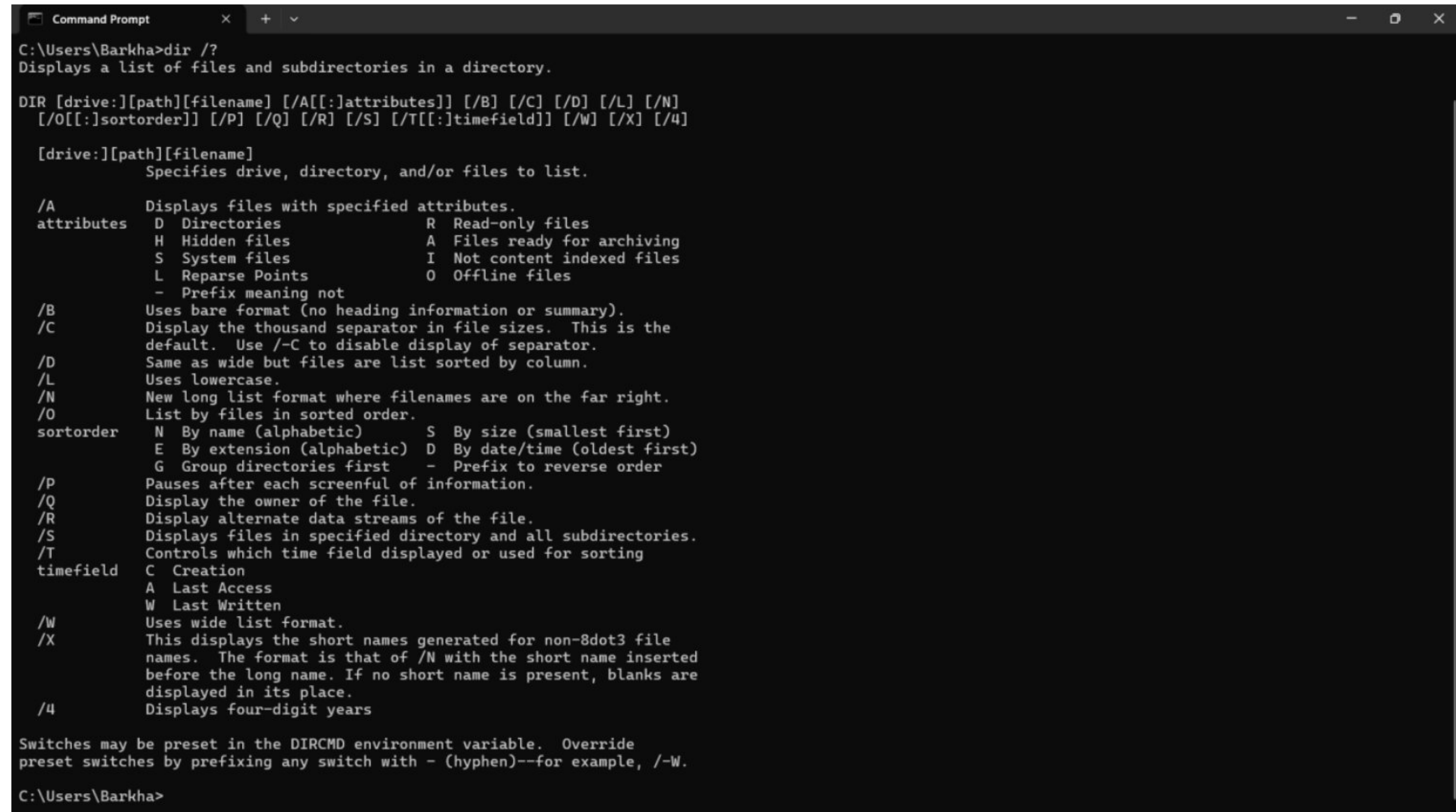
```
Jan 17 18:17
ubuntu@ubuntu: ~
ubuntu@ubuntu: ~
ubuntu@ubuntu:~$ head -n 5 file.txt
i
am
an
student
doing
ubuntu@ubuntu:~$ tail -n 1 file.txt
ubuntu@ubuntu:~$ tail -n 2 file.txt
undergraduate
ubuntu@ubuntu:~$ chmod u-r file.txt
ubuntu@ubuntu:~$ chmod u+r,w-x,g+w file.txt
chmod: invalid mode: 'u+r,w-x,g+w'
Try 'chmod --help' for more information.
ubuntu@ubuntu:~$ chmod u+w,o-rwx file.txt
ubuntu@ubuntu:~$ chmod u+rwx,g+rx,o+r file.txt
ubuntu@ubuntu:~$ chmod o+rwx file.txt
ubuntu@ubuntu:~$ chmod a-rwx file.txt
ubuntu@ubuntu:~$ chmod 700 file.txt
ubuntu@ubuntu:~$ chmod 600 file.txt
ubuntu@ubuntu:~$ chmod u+x,g+r,o+r file.txt
ubuntu@ubuntu:~$ ls
Desktop  Downloads  Pictures  Templates  file.txt  filenameo  newdir1  output.txt
Documents Music    Public   Videos   file2.txt newdir    outfile  snap
ubuntu@ubuntu:~$ touch script.sh
ubuntu@ubuntu:~$ chmod a+x script.sh
ubuntu@ubuntu:~$ ls -l script.sh
-rwxrwxr-x 1 ubuntu ubuntu 0 Jan 17 18:14 script.sh
ubuntu@ubuntu:~$
```

CD24011

COMMAND PROMPT :-

Commands:

1. Display User Manual of a Command Functionality:



```
Command Prompt
C:\Users\Barkha>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 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 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

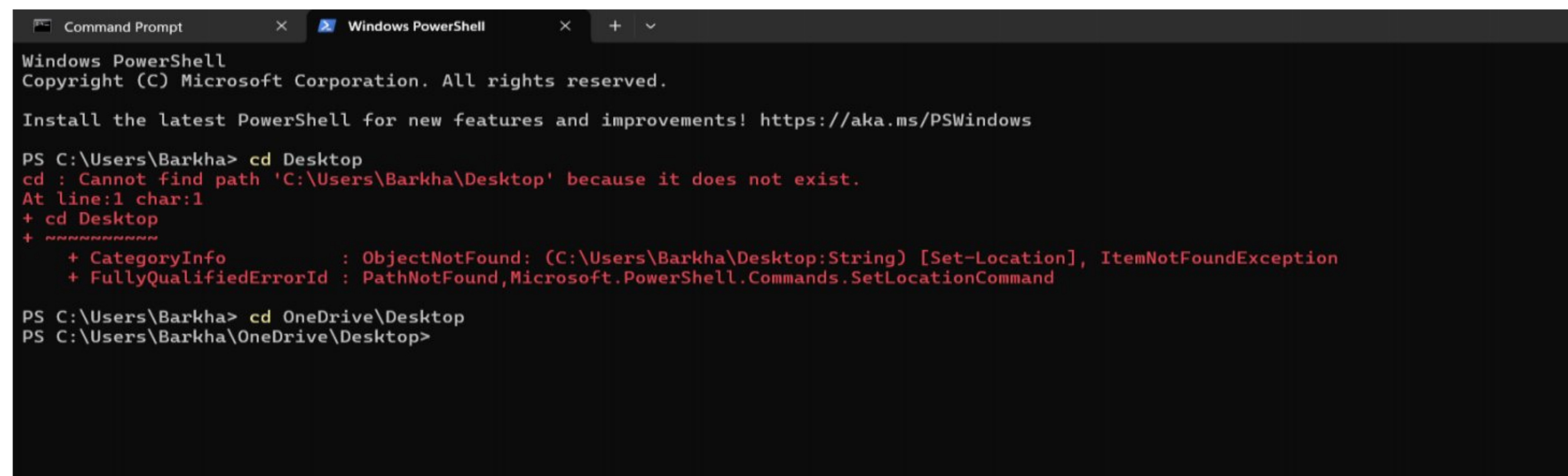
/W      Uses wide list format.
/X      This displays the short names generated for non-8dot3 file
        names. The format is that of /N with the short name inserted
        before the long name. If no short name is present, blanks are
        displayed in its place.

/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.

C:\Users\Barkha>
```

2. Change Current Working Directory. -



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Barkha> cd Desktop
cd : Cannot find path 'C:\Users\Barkha\Desktop' because it does not exist.
At line:1 char:1
+ cd Desktop
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\Desktop:String) [Set-Location], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS C:\Users\Barkha> cd OneDrive\Desktop
PS C:\Users\Barkha\OneDrive\Desktop>
```

3. List Contents of the Current Directory.


```
Command Prompt x Windows PowerShell x + v
At line:1 char:1
+ cd Desktop
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\Desktop:String) [Set-Location], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS C:\Users\Barkha> cd OneDrive\Desktop
PS C:\Users\Barkha\OneDrive\Desktop> ls

Directory: C:\Users\Barkha\OneDrive\Desktop

Mode                LastWriteTime         Length Name
----                -
dar--l             17-01-2026      11:35         Barkha
dar--l             19-01-2026      11:08      git_practical
dar--l             05-07-2025      13:10         new
dar--l             02-01-2026      22:02      New folder (2)
-a---l             15-01-2026      15:43      2400 Barkha (Person 1) - Chrome.lnk
-a---l             20-12-2025      10:52      2256 Discord.lnk
-a---l             27-11-2024      22:26     3086876 DSC_0960.JPG
-a---l             03-10-2025       00:23     1389306 EBC25.pdf
-a---l             15-01-2026      17:38     2928617 IMG_0011.JPG
-a---l             15-01-2026      17:38     2997951 IMG_0018.JPG
-a---l             02-11-2025      13:40      2356 Microsoft Edge.lnk
-a---l             02-01-2026      22:10      2244 Notion.lnk
-a----             19-01-2026      14:42     945137 practical 1 (1).pdf
-a---l             02-04-2025      20:35      1863 Spotify.lnk
-a---l             29-07-2025      21:18      2525 Spyder 6.lnk
-a---l             19-08-2025      22:37     29354 toothless.webp
-a---l             25-12-2025      23:34      9340 translate-v1.zip
-a---l             29-07-2025      20:50      1411 Visual Studio Code.lnk
-a---l             15-01-2026      15:46     49551 WhatsApp Image 2026-01-15 at 15.45.37.jpeg
-a---l             17-01-2026      15:35     132846 WhatsApp Image 2026-01-17 at 15.35.22 (1).jpeg
-a---l             17-01-2026      15:35     153929 WhatsApp Image 2026-01-17 at 15.35.22.jpeg
-a---l             17-01-2026      15:35     126617 WhatsApp Image 2026-01-17 at 15.35.23 (1).jpeg
-a---l             17-01-2026      15:35     121677 WhatsApp Image 2026-01-17 at 15.35.23.jpeg
-a---l             17-01-2026      15:35     150371 WhatsApp Image 2026-01-17 at 15.35.24 (1).jpeg
-a---l             17-01-2026      15:35     140895 WhatsApp Image 2026-01-17 at 15.35.24 (2).jpeg
-a---l             17-01-2026      15:35     143623 WhatsApp Image 2026-01-17 at 15.35.24.jpeg

PS C:\Users\Barkha\OneDrive\Desktop> |
```

4. Read/Modify/Concatenate Text Files.

```
Command Prompt x Windows PowerShell x + v
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Barkha> cd OS_Practical
PS C:\Users\Barkha\OS_Practical> dir

Directory: C:\Users\Barkha\OS_Practical

Mode                LastWriteTime         Length Name
----                -
d-----             19-01-2026      20:22         OS_Practical

PS C:\Users\Barkha\OS_Practical> echo Hello > file1.txt
PS C:\Users\Barkha\OS_Practical> type file1.txt
Hello
PS C:\Users\Barkha\OS_Practical>
```

```
Command Prompt x Windows PowerShell x + v
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> type Practical1.txt
Barkha Practical 1:
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> notepad Practical1.txt
PS C:\Users\Barkha\OneDrive\

NetMirror (1).apk 6.3 Bucket and Chianing.txt 6.1Linear Probing (1).txt Practical1.txt
File Edit View H1 i B I A
Barkha Practical 1:

Ln 2, Col 1 20 characters Plain text 100% Windows (CRLF) UTF-8
```

5. Create a New Directory.


```
Command Prompt x Windows PowerShell x Windows PowerShell x + v
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Barkha> mkdir TestFolder

Directory: C:\Users\Barkha

Mode                LastWriteTime         Length Name
----                -
d-----          19-01-2026    20:24             TestFolder

PS C:\Users\Barkha>
```

6. Display Current Working Directory

```
Command Prompt x Windows PowerShell x + v
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> mkdir newdir

Directory: C:\Users\Barkha\OneDrive\Desktop\Barkha

Mode                LastWriteTime         Length Name
----                -
d-----          19-01-2026    14:58             newdir

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> pwd

Path
----
C:\Users\Barkha\OneDrive\Desktop\Barkha

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> |
```

7. Write Arguments to Standard Output.

```
Command Prompt x Windows PowerShell x + v
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> mkdir newdir

Directory: C:\Users\Barkha\OneDrive\Desktop\Barkha

Mode                LastWriteTime         Length Name
----                -
d-----          19-01-2026    14:58             newdir

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> pwd

Path
----
C:\Users\Barkha\OneDrive\Desktop\Barkha

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> echo Hello World
Hello
World
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> |
```

8. Remove a File.


```
Command Prompt x Windows PowerShell x + v
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> mkdir newdir

Directory: C:\Users\Barkha\OneDrive\Desktop\Barkha

Mode                LastWriteTime         Length Name
----                -
d-----          19-01-2026         14:58         newdir

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> pwd

Path
----
C:\Users\Barkha\OneDrive\Desktop\Barkha

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> echo Hello World
Hello
World
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> rm Practical1.txt
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> |
```

9. Delete a Directory.

```
Command Prompt x Windows PowerShell x + v
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> mkdir newdir

Directory: C:\Users\Barkha\OneDrive\Desktop\Barkha

Mode                LastWriteTime         Length Name
----                -
d-----          19-01-2026         14:58         newdir

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> pwd

Path
----
C:\Users\Barkha\OneDrive\Desktop\Barkha

PS C:\Users\Barkha\OneDrive\Desktop\Barkha> echo Hello World
Hello
World
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> rm Practical1.txt
PS C:\Users\Barkha\OneDrive\Desktop\Barkha> rmdir newdir
PS C:\Users\Barkha\OneDrive\Desktop\Barkha>
```

10. Copy a File or Directory.

```
Command Prompt x Windows PowerShell x Windows PowerShell x + v
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Barkha> mkdir TestFolder

Directory: C:\Users\Barkha

Mode                LastWriteTime         Length Name
----                -
d-----          19-01-2026         20:24         TestFolder

PS C:\Users\Barkha> cd
PS C:\Users\Barkha> echo Operating System Practical
Operating
System
Practical
PS C:\Users\Barkha>
```

11. Switch to Root User

Steps:

- 1. Close CMD
- 2. Right-click **Command Prompt**
- 3. Click **Run as Administrator**

12. Move Files or Directories. Functionality:

```
Command Prompt x Windows PowerShell x Windows PowerShell x Windows PowerShell x + v
PS C:\Users\Barkha> xcopy OS_Practical OS_Copy /E
Does OS_Copy specify a file name
or directory name on the target
(F = file, D = directory)? f
OS_Practical\file1.txt
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? s
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? y
OS_Practical\file2.txt
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? e
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? s
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? a
OS_Practical\merged.txt
3 File(s) copied
PS C:\Users\Barkha>
```

13. Search for a String in a File. Functionality:

```
Command Prompt x Windows PowerShell x Windows PowerShell x Windows PowerShell x + v
PS C:\Users\Barkha> xcopy OS_Practical OS_Copy /E
Does OS_Copy specify a file name
or directory name on the target
(F = file, D = directory)? f
OS_Practical\file1.txt
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? s
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? y
OS_Practical\file2.txt
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? e
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? s
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? a
OS_Practical\merged.txt
3 File(s) copied
PS C:\Users\Barkha> move copyfile.txt OS_Copy
move : Cannot find path 'C:\Users\Barkha\copyfile.txt' because it does not exist.
At line:1 char:1
+ move copyfile.txt OS_Copy
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\copyfile.txt:String) [Move-Item], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.MoveItemCommand

PS C:\Users\Barkha> find "Hello" file1.txt
FIND: Parameter format not correct
PS C:\Users\Barkha> more file1.txt
Get-Content : Cannot find path 'C:\Users\Barkha\file1.txt' because it does not exist.
```

14. Print Top N Lines of a File. Functionality:

15. Print Last N Lines of a File.


```
Command Prompt x Windows PowerShell x Windows PowerShell x Windows PowerShell x + v
PS C:\Users\Barkha> xcopy OS_Practical OS_Copy /E
Does OS_Copy specify a file name
or directory name on the target
(F = file, D = directory)? f
OS_Practical\file1.txt
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? s
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? y
OS_Practical\file2.txt
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? e
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? s
Overwrite C:\Users\Barkha\OS_Copy (Yes/No/All)? a
OS_Practical\merged.txt
3 File(s) copied
PS C:\Users\Barkha> move copyfile.txt OS_Copy
move : Cannot find path 'C:\Users\Barkha\copyfile.txt' because it does not exist.
At line:1 char:1
+ move copyfile.txt OS_Copy
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\copyfile.txt:String) [Move-Item], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.MoveItemCommand

PS C:\Users\Barkha> find "Hello" file1.txt
FIND: Parameter format not correct
PS C:\Users\Barkha> more file1.txt
Get-Content : Cannot find path 'C:\Users\Barkha\file1.txt' because it does not exist.
At line:7 char:9
+ Get-Content $file | more.com
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\file1.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

PS C:\Users\Barkha> type file1.txt
type : Cannot find path 'C:\Users\Barkha\file1.txt' because it does not exist.
At line:1 char:1
+ type file1.txt
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\file1.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

PS C:\Users\Barkha> icacls file1.txt /deny %username%:R
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:R
```

16. Remove Read Permission from Owner. - Functionality:

17. Change Specific Permissions. Functionality:

18. Add Write Permission to Owner, None to Others. -Functionality:

19. Assign Permissions to Users. Functionality:

20. Assign R/W/X to Others. - Functionality:

```
Command Prompt x Windows PowerShell x Windows PowerShell x Windows PowerShell x + v
PS C:\Users\Barkha> type file1.txt
type : Cannot find path 'C:\Users\Barkha\file1.txt' because it does not exist.
At line:1 char:1
+ type file1.txt
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\file1.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

PS C:\Users\Barkha> icacls file1.txt /deny %username%:R
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:R
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:W /remove Everyone
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:F
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant Everyone:(R,W,X)
At line:1 char:36
+ icacls file1.txt /grant Everyone:(R,W,X)
+ ~~~~~
+ Missing argument in parameter list.
+ CategoryInfo          : ParserError: (:) [], ParentContainsErrorRecordException
+ FullyQualifiedErrorId : MissingArgument

PS C:\Users\Barkha> icacls file1.txt /inheritance:r
file1.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /deny Everyone:R
file1.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:RW /remove Everyone
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:X /grant Everyone:R
Invalid parameter "%username%:X"
PS C:\Users\Barkha> icacls file1.txt /grant %username%:X /grant Everyone:R
Invalid parameter "%username%:X"
PS C:\Users\Barkha> icacls file1.txt /grant Everyone:X
Invalid parameter "Everyone:X"
PS C:\Users\Barkha> |
```

21. Remove All Permissions from All Users. Functionality:

22. Remove Read Permission Using Absolute Mode. - Functionality:

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

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

25. Add Execute Permission to All Users:

```
Command Prompt X Windows PowerShell X Windows PowerShell X Windows PowerShell X + v
PS C:\Users\Barkha> type file1.txt
type : Cannot find path 'C:\Users\Barkha\file1.txt' because it does not exist.
At line:1 char:1
+ type file1.txt
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\Barkha\file1.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

PS C:\Users\Barkha> icacls file1.txt /deny %username%:R
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:R
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:W /remove Everyone
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:F
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant Everyone:(R,W,X)
At line:1 char:36
+ icacls file1.txt /grant Everyone:(R,W,X)
+ ~~~~~
Missing argument in parameter list.
+ CategoryInfo          : ParserError: (:) [], ParentContainsErrorRecordException
+ FullyQualifiedErrorId : MissingArgument

PS C:\Users\Barkha> icacls file1.txt /inheritance:r
file1.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /deny Everyone:R
file1.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%:RW /remove Everyone
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\Barkha> icacls file1.txt /grant %username%X /grant Everyone:R
Invalid parameter "%username%X"
PS C:\Users\Barkha> icacls file1.txt /grant %username%X /grant Everyone:R
Invalid parameter "%username%X"
PS C:\Users\Barkha> icacls file1.txt /grant Everyone:X
Invalid parameter "Everyone:X"
PS C:\Users\Barkha> |
```