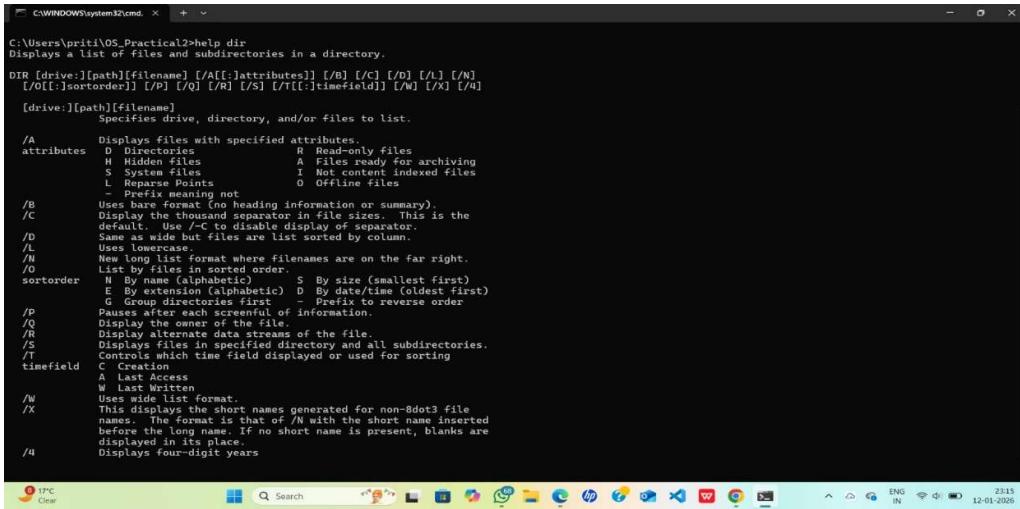


1. Display the user manual of any command that can be run on the terminal.



```
C:\Users\priti\OS_Practical2>help dir
Displays a list of files and subdirectories in a directory.

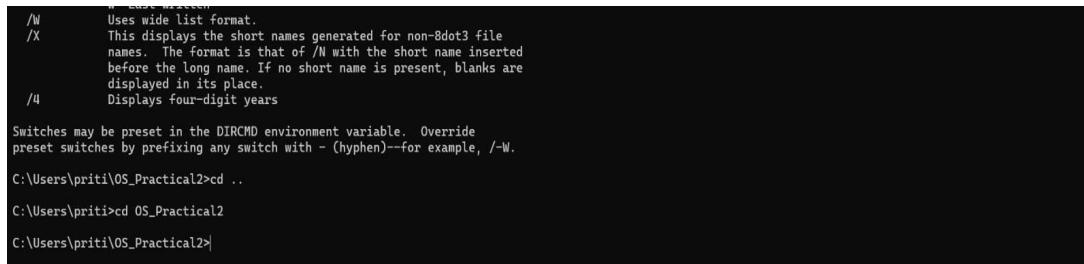
DIR [drive:]path[filename] [/A[[[:]]attributes] [/B] [/C] [/D] [/L] [/N]
    [/O[[[:]]sortorder] [/P] [/Q] [/R] [/S] [/T[[[:]]timefield] [/W] [/X] [/4]
    [drive:]path[filename]
        Specifies drive, directory, and/or files to list.

/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 Long file names       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 if no /C is present.
/D      Sorts 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.
/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
                W Last Written
/W      Uses wide list format.
/X      This displays 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\priti\OS_Practical2>
```

2. Change the current working directory of the user.

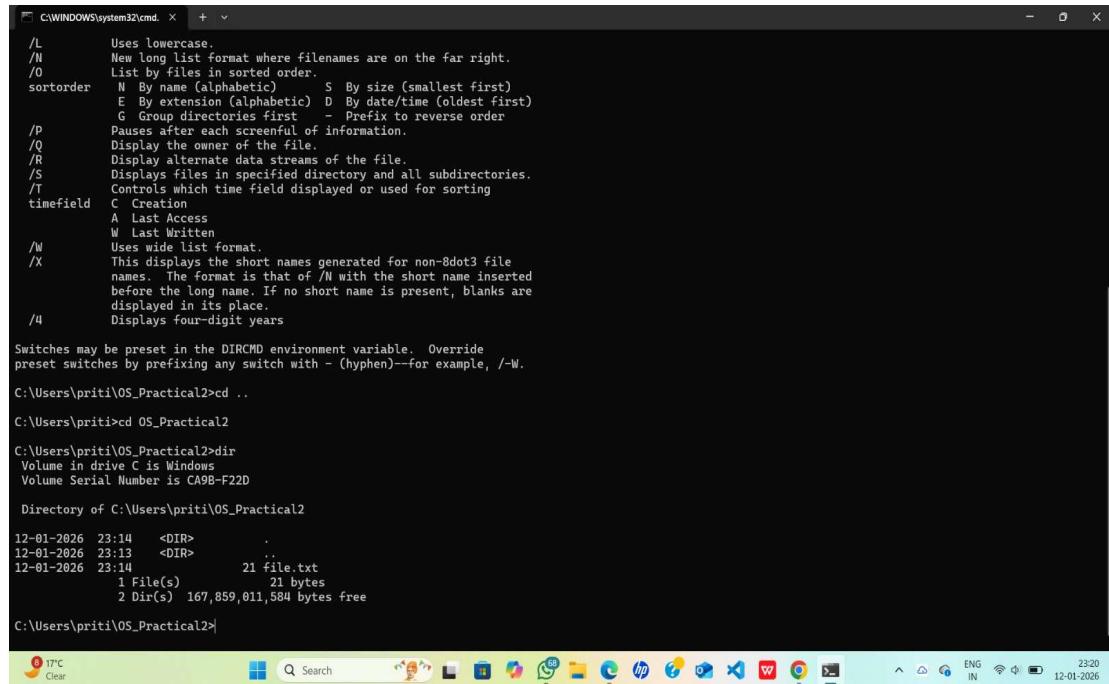


```
/W      Uses wide list format.
/X      This displays the short names generated for non-8dot3 file
        names. The format is that of /N with the short name inserted
        before the long name. If no short name is present, blanks are
        displayed in its place.
/4      Displays four-digit years

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

C:\Users\priti\OS_Practical2>cd ..
C:\Users\priti>cd OS_Practical2
C:\Users\priti\OS_Practical2>
```

3. List all the contents in the current working directory.



```
/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\priti\OS_Practical2>cd ..
C:\Users\priti>cd OS_Practical2
C:\Users\priti\OS_Practical2>dir
Volume in drive C is Windows
Volume Serial Number is C49B-F22D

Directory of C:\Users\priti\OS_Practical2

12-01-2026 23:14 <DIR> .
12-01-2026 23:13 <DIR> ..
12-01-2026 23:14           21 file.txt
               1 File(s)   21 bytes
               2 Dir(s)  167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>
```

4. Read, modify or concatenate text files.

The screenshot shows a Windows desktop environment. In the foreground, a command prompt window titled 'C:\WINDOWS\system32\cmd.' is open, displaying the help documentation for the 'dir' command. In the background, a Notepad window titled 'file.txt' is open, containing the text 'Hello OS Practical'. The taskbar at the bottom shows various pinned icons and the date '12-01-2026'.

```
G Group directories first - Prefix to reverse order
/P Pauses after each screenful of information.
/V Displays the owner of the file.
/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
/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.
```

5. Create a new directory under any directory.

The screenshot shows a Windows desktop environment. A command prompt window titled 'C:\WINDOWS\system32\cmd.' is open, demonstrating the creation of a new directory named 'TestFolder' within the current working directory. The taskbar at the bottom shows various pinned icons and the date '12-01-2026'.

```
/Q Display the owner of the file.
/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
/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\priti\OS_Practical2>cd ..

C:\Users\priti>cd OS_Practical2

C:\Users\priti\OS_Practical2>dir
 Volume in drive C is Windows
 Volume Serial Number is CA9B-F22D

 Directory of C:\Users\priti\OS_Practical2

12-01-2026 23:14 <DIR> .
12-01-2026 23:13 <DIR> ..
12-01-2026 23:14 21 file.txt
               1 File(s)      21 bytes
               2 Dir(s) 167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>type file.txt
Hello OS Practical

C:\Users\priti\OS_Practical2>notepad file.txt

C:\Users\priti\OS_Practical2>mkdir TestFolder
C:\Users\priti\OS_Practical2>
```

6. Display the current working directory of the terminal.

The screenshot shows a Windows desktop environment. A command prompt window titled 'C:\WINDOWS\system32\cmd.' is open, demonstrating the use of the 'dir' command to display the current working directory. The taskbar at the bottom shows various pinned icons and the date '12-01-2026'.

```
/T Controls which time field displayed or used for sorting
/timefield C Creation
/A Last Access
/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\priti\OS_Practical2>cd ..

C:\Users\priti>cd OS_Practical2

C:\Users\priti\OS_Practical2>dir
 Volume in drive C is Windows
 Volume Serial Number is CA9B-F22D

 Directory of C:\Users\priti\OS_Practical2

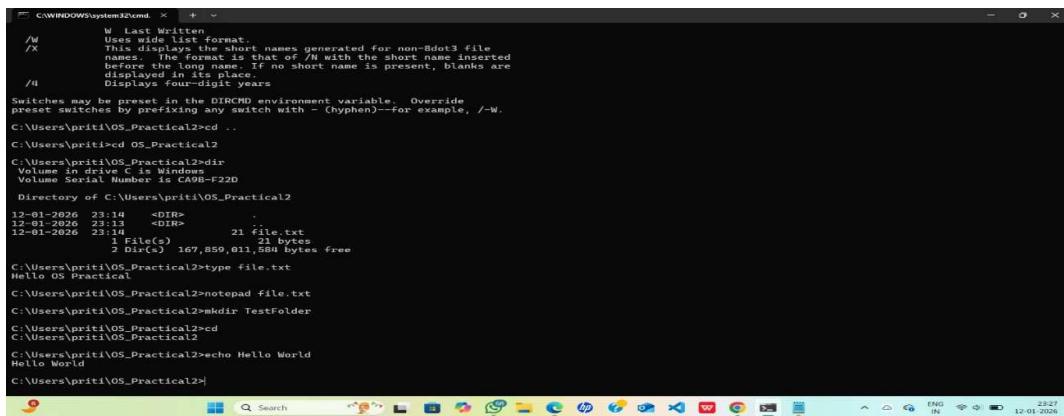
12-01-2026 23:14 <DIR> .
12-01-2026 23:13 <DIR> ..
12-01-2026 23:14 21 file.txt
               1 File(s)      21 bytes
               2 Dir(s) 167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>type file.txt
Hello OS Practical

C:\Users\priti\OS_Practical2>notepad file.txt

C:\Users\priti\OS_Practical2>mkdir TestFolder
C:\Users\priti\OS_Practical2>cd
C:\Users\priti\OS_Practical2>
```

7. Write its arguments to standard output.



```
C:\WINDOWS\system32\cmd > + >
/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.
/N Displays four-digit years

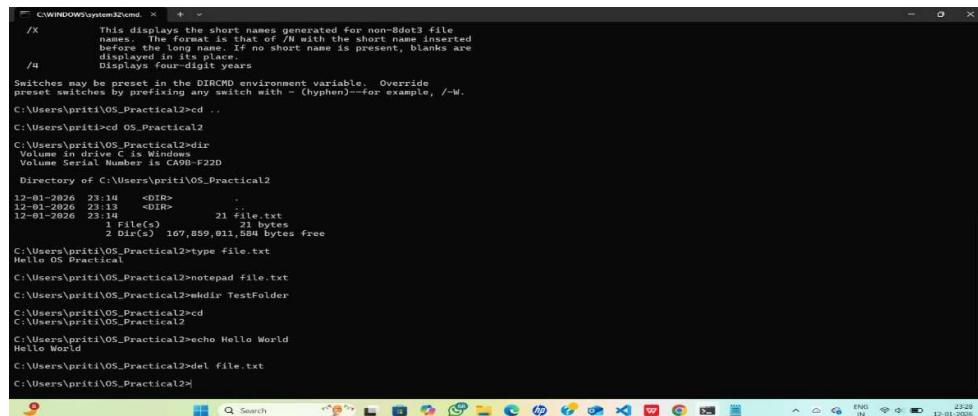
Switches may be preset in the DIRCMD environment variable. Override
preset switches by prefixing any switch with -(hyphen)--for example, /-W.

C:\Users\priti\OS_Practical2>cd ..
C:\Users\priti>c OS_Practical2
C:\Users\priti\OS_Practical2>dir
Volume in drive C is Windows
Volume Serial Number is CA98-F22D
Directory of C:\Users\priti\OS_Practical2
12-01-2026 23:13 <DIR> .
12-01-2026 23:13 <DIR> ..
12-01-2026 23:14 21 file.txt
               21 bytes
               2 Dir(s) 167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>type file.txt
Hello OS Practical

C:\Users\priti\OS_Practical2>notepad file.txt
C:\Users\priti\OS_Practical2>mkdir TestFolder
C:\Users\priti\OS_Practical2>cd
C:\Users\priti\OS_Practical2>
C:\Users\priti\OS_Practical2>echo Hello World
Hello World
C:\Users\priti\OS_Practical2>
```

8. Remove a file.



```
C:\WINDOWS\system32\cmd > + >
/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.
/N Displays four-digit years

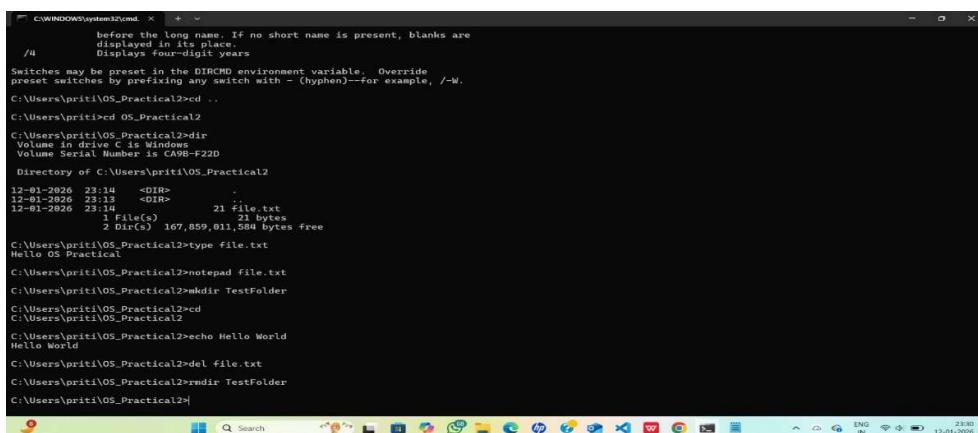
Switches may be preset in the DIRCMD environment variable. Override
preset switches by prefixing any switch with -(hyphen)--for example, /-W.

C:\Users\priti\OS_Practical2>cd ..
C:\Users\priti>c OS_Practical2
C:\Users\priti\OS_Practical2>dir
Volume in drive C is Windows
Volume Serial Number is CA98-F22D
Directory of C:\Users\priti\OS_Practical2
12-01-2026 23:14 <DIR> .
12-01-2026 23:14 <DIR> ..
12-01-2026 23:14 21 file.txt
               21 bytes
               2 Dir(s) 167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>type file.txt
Hello OS Practical

C:\Users\priti\OS_Practical2>notepad file.txt
C:\Users\priti\OS_Practical2>mkdir TestFolder
C:\Users\priti\OS_Practical2>cd
C:\Users\priti\OS_Practical2>
C:\Users\priti\OS_Practical2>echo Hello World
Hello World
C:\Users\priti\OS_Practical2>del file.txt
C:\Users\priti\OS_Practical2>
```

9. Delete a directory.



```
C:\WINDOWS\system32\cmd > + >
before the long name. If no short name is present, blanks are
displayed in its place.
/N Displays four-digit years

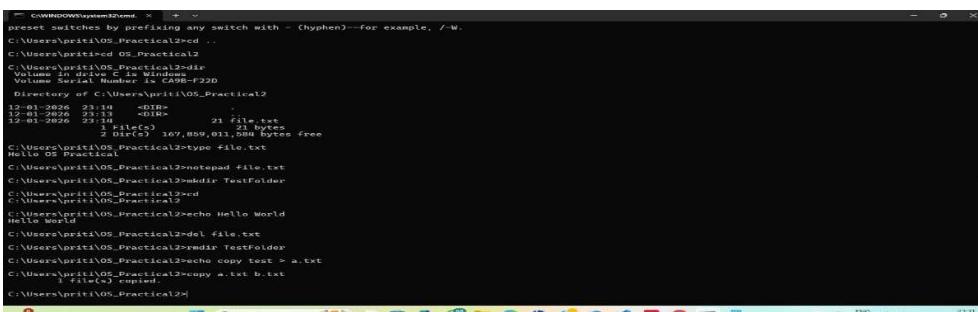
Switches may be preset in the DIRCMD environment variable. Override
preset switches by prefixing any switch with -(hyphen)--for example, /-W.

C:\Users\priti\OS_Practical2>cd ..
C:\Users\priti>c OS_Practical2
C:\Users\priti\OS_Practical2>dir
Volume in drive C is Windows
Volume Serial Number is CA98-F22D
Directory of C:\Users\priti\OS_Practical2
12-01-2026 23:14 <DIR> .
12-01-2026 23:14 <DIR> ..
12-01-2026 23:14 21 file.txt
               21 bytes
               2 Dir(s) 167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>type file.txt
Hello OS Practical

C:\Users\priti\OS_Practical2>notepad file.txt
C:\Users\priti\OS_Practical2>mkdir TestFolder
C:\Users\priti\OS_Practical2>cd
C:\Users\priti\OS_Practical2>
C:\Users\priti\OS_Practical2>echo Hello World
Hello World
C:\Users\priti\OS_Practical2>del file.txt
C:\Users\priti\OS_Practical2>rmdir TestFolder
C:\Users\priti\OS_Practical2>
```

10. Copy a file or directory.



```
C:\WINDOWS\system32\cmd > + >
preset switches by prefixing any switch with -(hyphen)--for example, /-W.

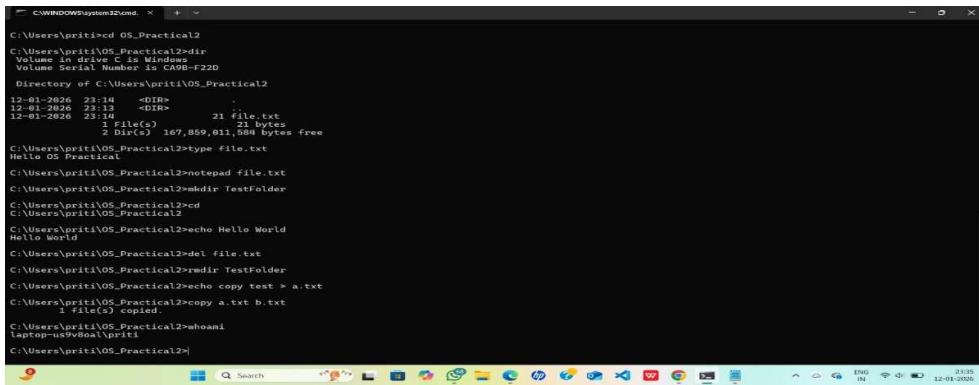
C:\Users\priti\OS_Practical2>cd ..
C:\Users\priti>c OS_Practical2
C:\Users\priti\OS_Practical2>dir
Volume in drive C is Windows
Volume Serial Number is CA98-F22D
Directory of C:\Users\priti\OS_Practical2
12-01-2026 23:14 <DIR> .
12-01-2026 23:14 <DIR> ..
12-01-2026 23:14 21 file.txt
               21 bytes
               2 Dir(s) 167,859,011,584 bytes free

C:\Users\priti\OS_Practical2>type file.txt
Hello OS Practical

C:\Users\priti\OS_Practical2>notepad file.txt
C:\Users\priti\OS_Practical2>mkdir TestFolder
C:\Users\priti\OS_Practical2>cd
C:\Users\priti\OS_Practical2>
C:\Users\priti\OS_Practical2>echo Hello World
Hello World
C:\Users\priti\OS_Practical2>del file.txt
C:\Users\priti\OS_Practical2>rmdir TestFolder
C:\Users\priti\OS_Practical2>copy test = a.txt
C:\Users\priti\OS_Practical2>copy a.txt b.txt
               1 File(s) copied

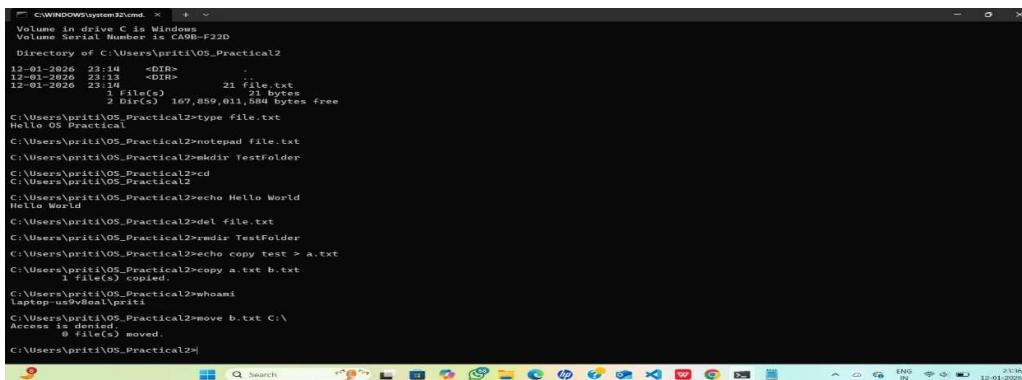
C:\Users\priti\OS_Practical2>
```

11. Switch to root user.



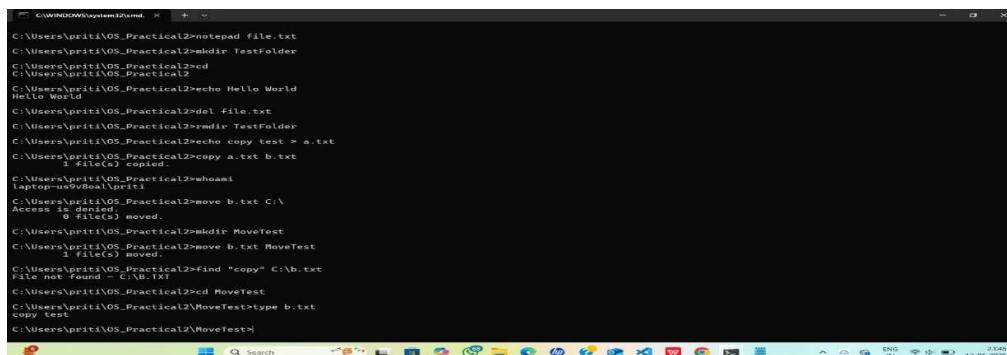
```
C:\Windows\system32\cmd.exe + - C:\Users\priti>cd OS_Practical2
C:\Users\priti>cd OS_Practical2>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2
12-01-2026 23:14 <DIR> .
12-01-2026 23:14 <DIR> ..
12-01-2026 23:14 21 file.txt
               1 File(s)      21 bytes
               2 Dir(s) 167,859,011,584 bytes free
C:\Users\priti>OS_Practical2>type file.txt
Hello OS Practical
C:\Users\priti>OS_Practical2>notepad file.txt
C:\Users\priti>OS_Practical2>mkdir TestFolder
C:\Users\priti>OS_Practical2>cd
C:\Users\priti>OS_Practical2>
C:\Users\priti>OS_Practical2>echo Hello World
Hello World
C:\Users\priti>OS_Practical2>del file.txt
C:\Users\priti>OS_Practical2>rmdir TestFolder
C:\Users\priti>OS_Practical2>echo copy test > a.txt
C:\Users\priti>OS_Practical2>copy a.txt b.txt
1 file(s) copied.
C:\Users\priti>OS_Practical2>whoami
laptop-us980a\priti
C:\Users\priti>OS_Practical2>
```

12. Move files and directories from one directory to another.



```
C:\Windows\system32\cmd.exe + - C:\Users\priti>cd OS_Practical2
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2
12-01-2026 23:14 <DIR> .
12-01-2026 23:14 <DIR> ..
12-01-2026 23:14 21 file.txt
               1 File(s)      21 bytes
               2 Dir(s) 167,859,011,584 bytes free
C:\Users\priti>OS_Practical2>type file.txt
Hello OS Practical
C:\Users\priti>OS_Practical2>notepad file.txt
C:\Users\priti>OS_Practical2>mkdir TestFolder
C:\Users\priti>OS_Practical2>cd
C:\Users\priti>OS_Practical2>
C:\Users\priti>OS_Practical2>echo Hello World
Hello World
C:\Users\priti>OS_Practical2>del file.txt
C:\Users\priti>OS_Practical2>rmdir TestFolder
C:\Users\priti>OS_Practical2>echo copy test > a.txt
C:\Users\priti>OS_Practical2>copy a.txt b.txt
1 file(s) copied.
C:\Users\priti>OS_Practical2>whoami
laptop-us980a\priti
C:\Users\priti>OS_Practical2>move b.txt C:\
Access is denied.
0 file(s) moved.
C:\Users\priti>OS_Practical2>
```

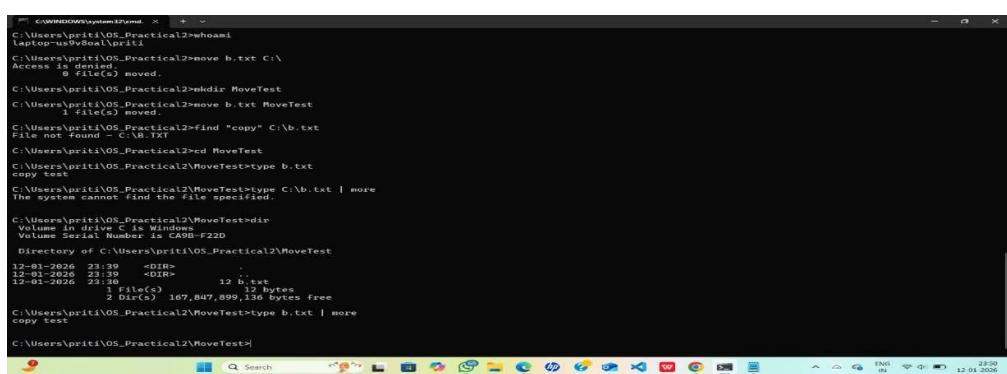
13. Search for a particular string/word in a text file.



```
C:\Windows\system32\cmd.exe + - C:\Users\priti>OS_Practical2>notepad file.txt
C:\Users\priti>OS_Practical2>mdir TestFolder
C:\Users\priti>OS_Practical2>cd
C:\Users\priti>OS_Practical2>
C:\Users\priti>OS_Practical2>echo Hello World
Hello World
C:\Users\priti>OS_Practical2>del file.txt
C:\Users\priti>OS_Practical2>rmdir TestFolder
C:\Users\priti>OS_Practical2>echo copy test > a.txt
C:\Users\priti>OS_Practical2>copy a.txt b.txt
1 file(s) copied.
C:\Users\priti>OS_Practical2>whoami
laptop-us980a\priti
C:\Users\priti>OS_Practical2>move b.txt C:\
Access is denied.
0 file(s) moved.
C:\Users\priti>OS_Practical2>mkdir MoveTest
C:\Users\priti>OS_Practical2>move b.txt MoveTest
C:\Users\priti>OS_Practical2>move b.txt MoveTest
C:\Users\priti>OS_Practical2>find "copy" C:\b.txt
File not found - C:\b.txt
C:\Users\priti>OS_Practical2>cd MoveTest
C:\Users\priti>OS_Practical2>MoveTest>type b.txt
copy test
C:\Users\priti>OS_Practical2>MoveTest>type C:\b.txt | more
The system cannot find the file specified.

C:\Users\priti>OS_Practical2>MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:39 12 b.txt
               2 Dir(s) 167,847,899,12 bytes free
C:\Users\priti>OS_Practical2>MoveTest>type b.txt | more
copy test
C:\Users\priti>OS_Practical2>MoveTest>
```

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



```
C:\Windows\system32\cmd.exe + - C:\Users\priti>OS_Practical2>whoami
laptop-us980a\priti
C:\Users\priti>OS_Practical2>move b.txt C:\
Access is denied.
0 file(s) moved.
C:\Users\priti>OS_Practical2>mkdir MoveTest
C:\Users\priti>OS_Practical2>move b.txt MoveTest
C:\Users\priti>OS_Practical2>move b.txt MoveTest
C:\Users\priti>OS_Practical2>find "copy" C:\b.txt
File not found - C:\b.txt
C:\Users\priti>OS_Practical2>cd MoveTest
C:\Users\priti>OS_Practical2>MoveTest>type b.txt
copy test
C:\Users\priti>OS_Practical2>MoveTest>type C:\b.txt | more
The system cannot find the file specified.

C:\Users\priti>OS_Practical2>MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:39 12 b.txt
               2 Dir(s) 167,847,899,12 bytes free
C:\Users\priti>OS_Practical2>MoveTest>type b.txt | more
copy test
C:\Users\priti>OS_Practical2>MoveTest>
```

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

```
C:\WINDOWS\system32\cmd. x + ~
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D

Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 bytes
2 Dir(s) 167,847,899,136 bytes free

C:\Users\priti\OS_Practical2\MoveTest>type b.txt | more
copy test

C:\Users\priti\OS_Practical2\MoveTest>powershell Get-Content C:\b.txt -Tail 1
Get-Content : Cannot find path 'C:\b.txt' because it does not exist.
At line:1 char:1
+ Get-Content C:\b.txt -Tail 1
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\b.txt:String) [Get-Content], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.GetContentCommand

C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D

Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 bytes
2 Dir(s) 167,852,474,368 bytes free

C:\Users\priti\OS_Practical2\MoveTest>powershell Get-Content b.txt -Tail 1
copy test
C:\Users\priti\OS_Practical2\MoveTest>
```

16. Remove read permission from owner of the file.

```
C:\WINDOWS\system32\cmd. x + ~
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D

Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 bytes
2 Dir(s) 167,852,474,368 bytes free

C:\Users\priti\OS_Practical2\MoveTest>powershell Get-Content b.txt -Tail 1
copy test

C:\Users\priti\OS_Practical2\MoveTest>iacals C:\b.txt /deny %username%:R
C:\b.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\priti\OS_Practical2\MoveTest>cd MoveTest
The system cannot find the path specified.

C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D

Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 bytes
2 Dir(s) 167,851,630,592 bytes free

C:\Users\priti\OS_Practical2\MoveTest>iacals b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\priti\OS_Practical2\MoveTest>
```

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

```
C:\WINDOWS\system32\cmd. x + ~
Volume Serial Number is CA9B-F22D

Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 bytes
2 Dir(s) 167,852,474,368 bytes free

C:\Users\priti\OS_Practical2\MoveTest>powershell Get-Content b.txt -Tail 1
copy test

C:\Users\priti\OS_Practical2\MoveTest>iacals C:\b.txt /deny %username%:R
C:\b.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files

C:\Users\priti\OS_Practical2\MoveTest>cd MoveTest
The system cannot find the path specified.

C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D

Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 bytes
2 Dir(s) 167,851,630,592 bytes free

C:\Users\priti\OS_Practical2\MoveTest>iacals b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\priti\OS_Practical2\MoveTest>iacals b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\priti\OS_Practical2\MoveTest>
```

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

```
C:\WINDOWS\system32\cmd. x + ~
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 b.txt
2 Dir(s) 167,852,474,368 bytes free
copy test
C:\Users\priti\OS_Practical2\MoveTest>powershell Get-Content b.txt -Tail 1
C:\Users\priti\OS_Practical2\MoveTest>icacls C:\b.txt /deny %username%:R
C:\b.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
C:\Users\priti\OS_Practical2\MoveTest>cd MoveTest
The system cannot find the path specified.
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 b.txt
2 Dir(s) 167,851,630,592 bytes free
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant %username%:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>
C:\Users\priti\OS_Practical2\MoveTest>
```

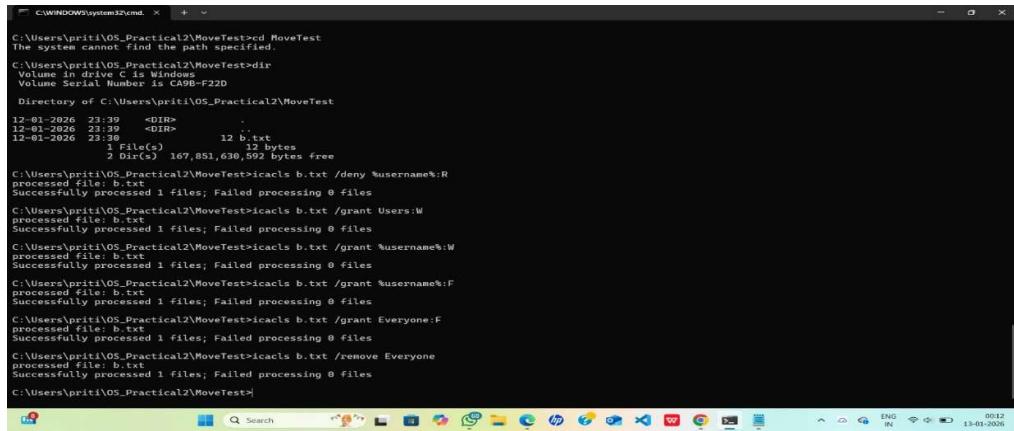
19. Assign permission to users.

```
C:\WINDOWS\system32\cmd. x + ~
2 Dir(s) 167,852,474,368 bytes free
copy test
C:\Users\priti\OS_Practical2\MoveTest>powershell Get-Content b.txt -Tail 1
C:\Users\priti\OS_Practical2\MoveTest>icacls C:\b.txt /deny %username%:R
C:\b.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
C:\Users\priti\OS_Practical2\MoveTest>cd MoveTest
The system cannot find the path specified.
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 b.txt
2 Dir(s) 167,851,630,592 bytes free
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant %username%:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant %username%:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant Everyone:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>
C:\Users\priti\OS_Practical2\MoveTest>
```

20. Assign read, write and execute permission to others.

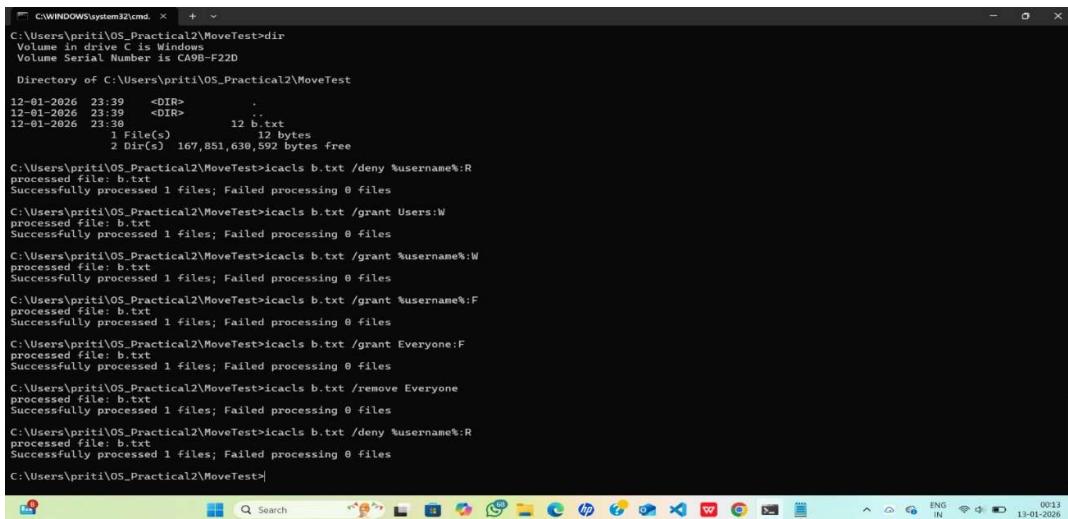
```
C:\WINDOWS\system32\cmd. x + ~
C:\Users\priti\OS_Practical2\MoveTest>icacls C:\b.txt /deny %username%:R
C:\b.txt: The system cannot find the file specified.
Successfully processed 0 files; Failed processing 1 files
C:\Users\priti\OS_Practical2\MoveTest>cd MoveTest
The system cannot find the path specified.
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F22D
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 1 File(s) 12 b.txt
2 Dir(s) 167,851,630,592 bytes free
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant %username%:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant %username%:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>icacls b.txt /grant Everyone:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>
C:\Users\priti\OS_Practical2\MoveTest>
```

21. Remove all permissions from all users.



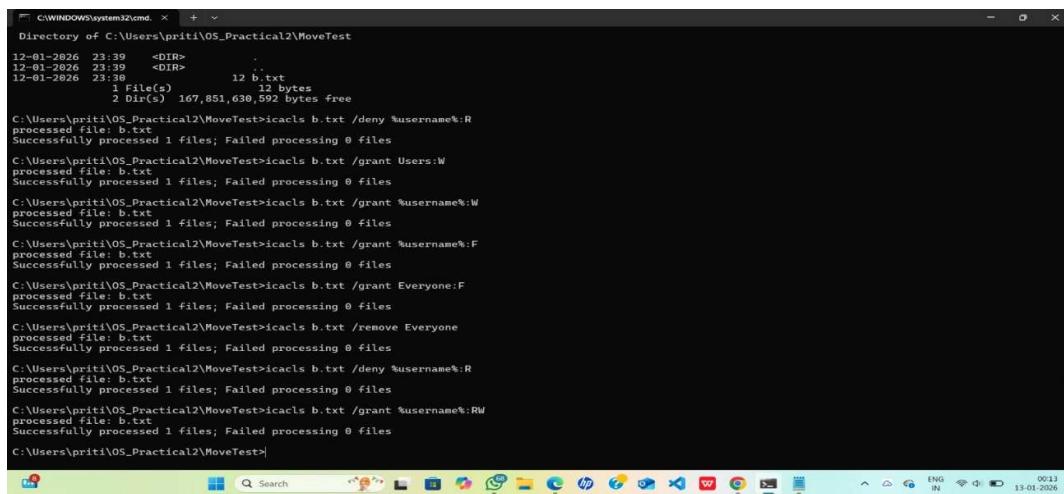
```
C:\Windows\system32\cmd.exe + ~
C:\Users\priti\OS_Practical2\MoveTest>cd MoveTest
The system cannot find the path specified.
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F2D0
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-03-2026 23:30 12 b.txt
1 File(s) 12 bytes
2 Dir(s) 167,851,630,592 bytes free
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant Everyone:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /remove Everyone
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /remove Everyone
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>
```

22. Remove read permission from user using absolute mode.



```
C:\Windows\system32\cmd.exe + ~
C:\Users\priti\OS_Practical2\MoveTest>dir
Volume in drive C is Windows
Volume Serial Number is CA9B-F2D0
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 12 b.txt
1 File(s) 12 bytes
2 Dir(s) 167,851,630,592 bytes free
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant Everyone:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /remove Everyone
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>
```

23. Add read and write permission to owner and no permission to group and others using absolute mode.



```
C:\Windows\system32\cmd.exe + ~
Directory of C:\Users\priti\OS_Practical2\MoveTest
12-01-2026 23:39 <DIR> .
12-01-2026 23:39 <DIR> ..
12-01-2026 23:30 12 b.txt
2 File(s) 12 bytes
2 Dir(s) 167,851,630,592 bytes free
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant Users:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:W
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant Everyone:F
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /remove Everyone
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /deny %username%:R
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>iaccls b.txt /grant %username%:RW
processed file: b.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\priti\OS_Practical2\MoveTest>
```

24. Add execute permission to owner, read permission to group and others.

```
C:\Users\priti\OS_Practical2\MoveTest>icacls TestExec /grant %username%:X
Invalid parameter "priti:X"
C:\Users\priti\OS_Practical2\MoveTest>mkdir TestExec
A subdirectory or file TestExec already exists.

C:\Users\priti\OS_Practical2\MoveTest>icacls TestExec /grant "%username%:(OI)(CI)X"
Invalid parameter "priti:(OI)(CI)X"
C:\Users\priti\OS_Practical2\MoveTest>icacls TestExec /grant "%username%:(OI)(CI)X"
Invalid parameter "priti:(OI)(CI)X"

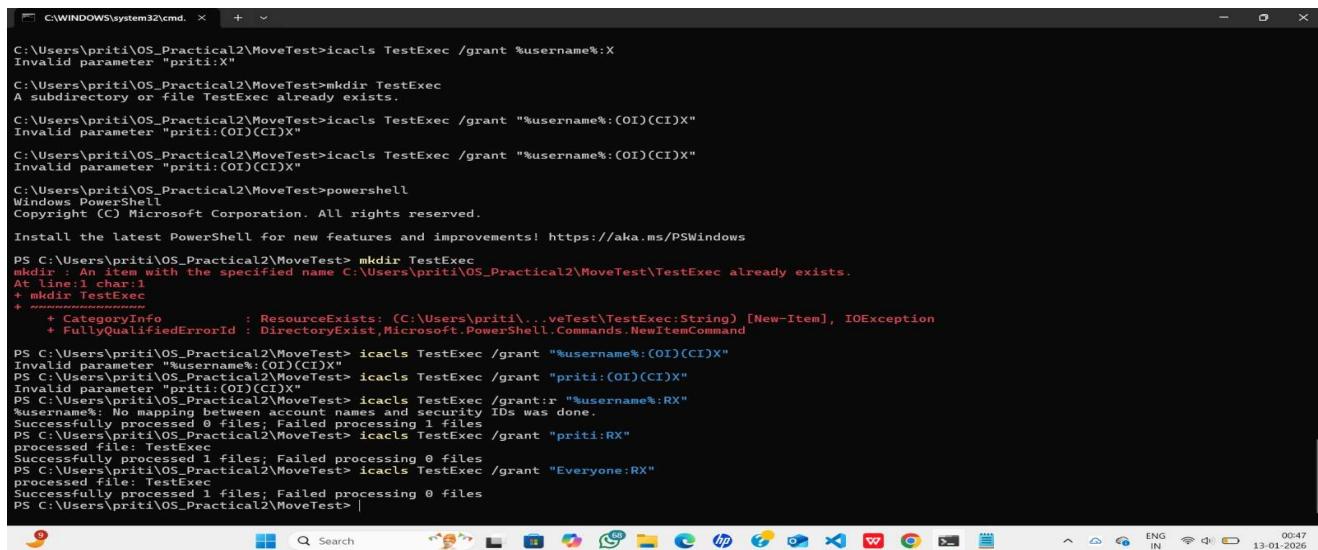
C:\Users\priti\OS_Practical2\MoveTest>powershell
Windows PowerShell
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PS C:\Users\priti\OS_Practical2\MoveTest> mkdir TestExec
mkdir : An item with the specified name C:\Users\priti\OS_Practical2\MoveTest\TestExec already exists.
At line:1 char:1
+ mkdir TestExec
+ ~~~~~
+ CategoryInfo          : ResourceExists: (C:\Users\priti\OS\veTest\TestExec:String) [New-Item], IOException
+ FullyQualifiedErrorId : DirectoryExist,Microsoft.PowerShell.Commands.NewItemCommand

PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "%username%:(OI)(CI)X"
Invalid parameter "%username%:(OI)(CI)X"
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "priti:(OI)(CI)X"
Invalid parameter "priti:(OI)(CI)X"
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant:r "%username%:RX"
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "priti:RX"
processed file: TestExec
Successfully processed 1 files; Failed processing 0 files
```

25. Add execute permission to all users.



```
C:\WINDOWS\system32\cmd. > + ~

C:\Users\priti\OS_Practical2\MoveTest>icacls TestExec /grant %username%:X
Invalid parameter "priti:X"
C:\Users\priti\OS_Practical2\MoveTest>mkdir TestExec
A subdirectory or file TestExec already exists.

C:\Users\priti\OS_Practical2\MoveTest>icacls TestExec /grant "%username%:(OI)(CI)X"
Invalid parameter "priti:(OI)(CI)X"
C:\Users\priti\OS_Practical2\MoveTest>icacls TestExec /grant "%username%:(OI)(CI)X"
Invalid parameter "priti:(OI)(CI)X"

C:\Users\priti\OS_Practical2\MoveTest>powershell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\priti\OS_Practical2\MoveTest> mkdir TestExec
mkdir : An item with the specified name C:\Users\priti\OS_Practical2\MoveTest\TestExec already exists.
At line:1 char:1
+ mkdir TestExec
+ ~~~~~
+ CategoryInfo          : ResourceExists: (C:\Users\priti\OS\veTest\TestExec:String) [New-Item], IOException
+ FullyQualifiedErrorId : DirectoryExist,Microsoft.PowerShell.Commands.NewItemCommand

PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "%username%:(OI)(CI)X"
Invalid parameter "%username%:(OI)(CI)X"
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "priti:(OI)(CI)X"
Invalid parameter "priti:(OI)(CI)X"
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant:r "%username%:RX"
%username%: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "priti:RX"
processed file: TestExec
Successfully processed 1 files; Failed processing 0 files
PS C:\Users\priti\OS_Practical2\MoveTest> icacls TestExec /grant "Everyone:RX"
processed file: TestExec
Successfully processed 1 files; Failed processing 0 files
PS C:\Users\priti\OS_Practical2\MoveTest> |
```