

```
C:\Users\Akshad Wanjare>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 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\Akshad Wanjare>
```



Command Prompt



```
C:\Users\Akshad Wanjare>cd Documents
```

```
C:\Users\Akshad Wanjare\Documents>cd..
```

```
C:\Users\Akshad Wanjare>
```



Command Prompt



C:\Users\Akshad Wanjare>dir

Volume in drive C is Windows-SSD

Volume Serial Number is 76B3-E09C

Directory of C:\Users\Akshad Wanjare

12-01-2026	23:06	<DIR>	.
14-10-2025	19:21	<DIR>	..
12-01-2026	19:32		113 .bash_history
09-01-2026	17:46		3 .python_history
02-01-2026	21:32	<DIR>	.vscode
12-01-2026	23:02		135 1python.txt
14-10-2025	21:35	<DIR>	ansel
15-10-2025	07:28	<DIR>	Contacts
14-10-2025	21:59	<DIR>	Documents
12-01-2026	22:42	<DIR>	Downloads
15-10-2025	07:28	<DIR>	Favorites
15-10-2025	07:28	<DIR>	Links
12-01-2026	23:03		270 newfile.txt
12-01-2026	22:29	<DIR>	OneDrive
12-01-2026	23:01		135 python.txt
15-10-2025	07:28	<DIR>	Saved Games
09-11-2025	14:56	<DIR>	Searches
		5 File(s)	656 bytes
		12 Dir(s)	151,445,098,496 bytes free

C:\Users\Akshad Wanjare>



Command Prompt



```
C:\Users\Akshad Wanjare>type python.txt
```

```
count = 1
```

```
while count <= 5:
```

```
    print(f"Counting: {count}")
```

```
    count += 1 # This adds 1 to the count each time
```

```
print("Done!")
```

```
C:\Users\Akshad Wanjare>notepad 1python.txt
```

```
C:\Users\Akshad Wanjare>type python.txt 1python.txt > newfile.txt
```

```
python.txt
```

```
1python.txt
```

```
C:\Users\Akshad Wanjare>type newfile.txt
```

```
count = 1
```

```
while count <= 5:
```

```
    print(f"Counting: {count}")
```

```
    count += 1 # This adds 1 to the count each time
```

```
print("Done!")count = 1
```

```
while count <= 5:
```

```
    print(f"Counting: {count}")
```

```
    count += 1 # This adds 1 to the count each time
```

```
print("Done!")
```

```
C:\Users\Akshad Wanjare>
```



Command Prompt



```
C:\Users\Akshad Wanjare>mkdir OS_Lab
```

```
C:\Users\Akshad Wanjare>
```



Command Prompt



```
C:\Users\Akshad Wanjare>cd
```

```
C:\Users\Akshad Wanjare
```

```
C:\Users\Akshad Wanjare>
```



Command Prompt



```
C:\Users\Akshad Wanjare>echo Hello World  
Hello World
```

```
C:\Users\Akshad Wanjare>
```



Command Prompt



```
C:\Users\Akshad Wanjare>del 1python.txt
```

```
C:\Users\Akshad Wanjare>
```




Command Prompt



```
C:\Users\Akshad Wanjare>rmdir OS_Lab
```

```
C:\Users\Akshad Wanjare>
```



Command Prompt



```
C:\Users\Akshad Wanjare>copy source.txt destination.txt  
The system cannot find the file specified.
```

```
C:\Users\Akshad Wanjare>xcopy sourcefolder destinationfolder /E  
File not found - sourcefolder  
0 File(s) copied
```

```
C:\Users\Akshad Wanjare>
```

```
C:\Windows\system32\cmd.e: X + v
Microsoft Windows [Version 10.0.26200.7462]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Akshad Wanjare>runas /user:Administrator cmd
Enter the password for Administrator:
Attempting to start cmd as user "LAPTOP-ABSVSLTV\Administrator" ...
RUNAS ERROR: Unable to run - cmd
1327: Account restrictions are preventing this user from signing in. For example: blank passwords aren't allowed, sign-in times are limited, or a policy restriction has been enforced.

C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>move python.txt D:\Folder  
1 file(s) moved.
```

```
C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>find "sum" python.txt  
File not found - PYTHON.TXT
```

```
C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>type python.txt | more
```

```
C:\Users\Akshad Wanjare>more +0 python.txt
```

```
C:\Users\Akshad Wanjare>
```

C:\Windows\system32\cmd.e: X

+

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```
C:\Users\Akshad Wanjare>powershell Get-Content python.txt -Tail 5
```

```
C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>icaccls python.txt /deny User1:R
User1: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
```

```
C:\Users\Akshad Wanjare>
```


C:\Windows\system32\cmd.e: X + v

```
C:\Users\Akshad Wanjare>icacls python.txt /grant User1:R
User1: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
```

```
C:\Users\Akshad Wanjare>icacls python.txt /deny Users:W
processed file: python.txt
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>
```

C:\Windows\system32\cmd.e: X + v

```
C:\Users\Akshad Wanjare>icacls python.txt /grant User1:W
User1: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
```

```
C:\Users\Akshad Wanjare>icacls python.txt /deny Everyone:F
processed file: python.txt
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>
```

C:\Windows\system32\cmd.e: X + v

```
C:\Users\Akshad Wanjare>icacls python.txt /grant Users:F
processed file: python.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users\Akshad Wanjare>
```

C:\Windows\system32\cmd.e: X + v

```
C:\Users\Akshad Wanjare>icacls python.txt /grant Everyone:(R,W,X)
processed file: python.txt
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>icacls python.txt /inheritance:r  
processed file: python.txt  
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>icacls python.txt /remove Users Everyone  
processed file: python.txt  
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>
```

C:\Windows\system32\cmd.e: X + v

```
C:\Users\Akshad Wanjare>icacls python.txt /deny User1:R
User1: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
```

```
C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>icaccls python.txt /grant User1:(R,W)
User1: No mapping between account names and security IDs was done.
Successfully processed 0 files; Failed processing 1 files
```

```
C:\Users\Akshad Wanjare>icaccls python.txt /deny Users:F
processed file: python.txt
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>icaccls python.txt /deny Everyone:F
processed file: python.txt
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>
```



C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>icaccls python.txt /grant User1:X  
Invalid parameter "User1:X"
```

```
C:\Users\Akshad Wanjare>icaccls python.txt /grant Users:R  
processed file: python.txt  
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>icaccls python.txt /grant Everyone:R  
processed file: python.txt  
Successfully processed 1 files; Failed processing 0 files
```

```
C:\Users\Akshad Wanjare>
```




C:\Windows\system32\cmd.e: X



```
C:\Users\Akshad Wanjare>icacls python.txt /grant Everyone:X  
Invalid parameter "Everyone:X"
```

```
C:\Users\Akshad Wanjare>
```