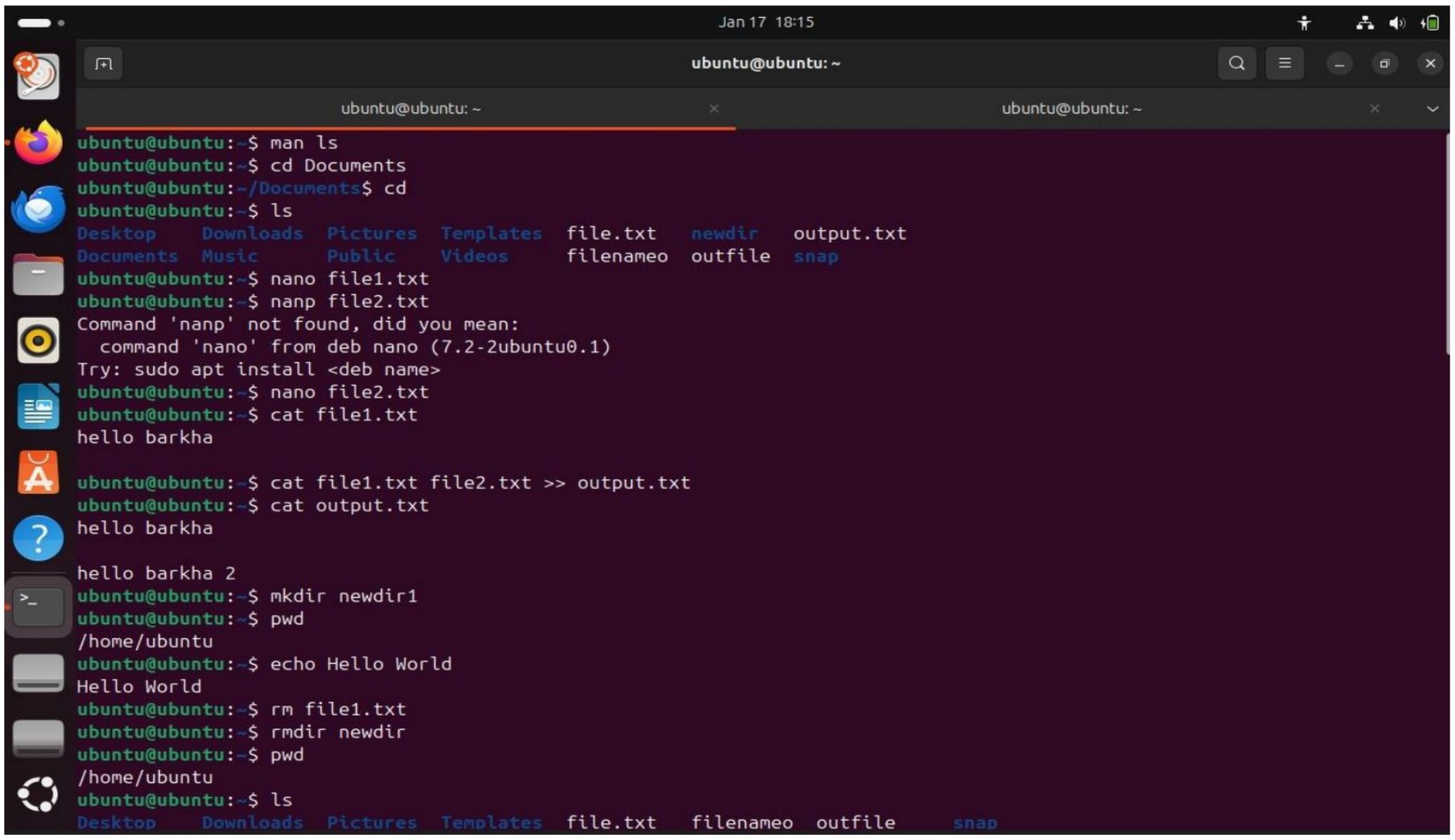
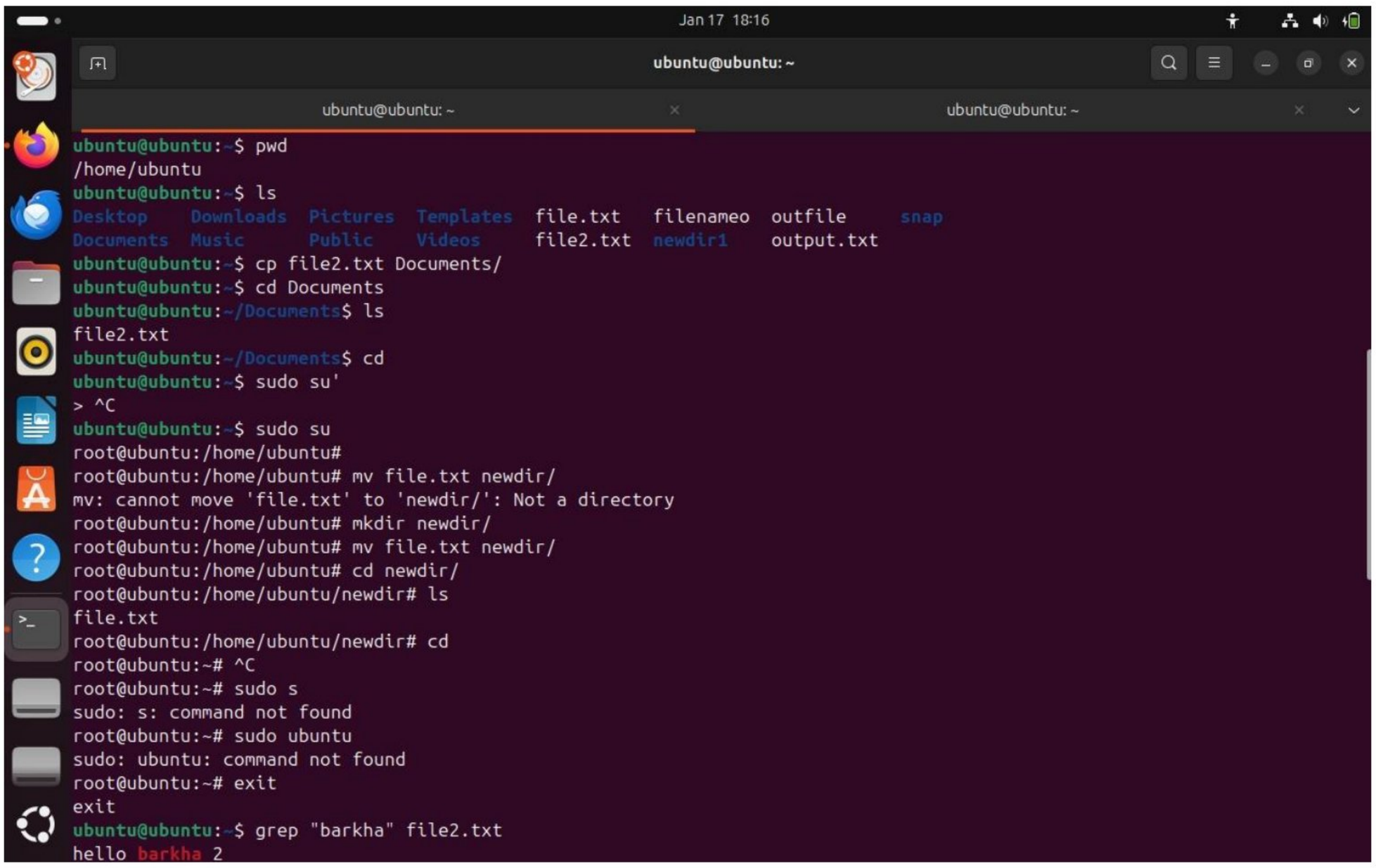
LINUX TERMINAL :





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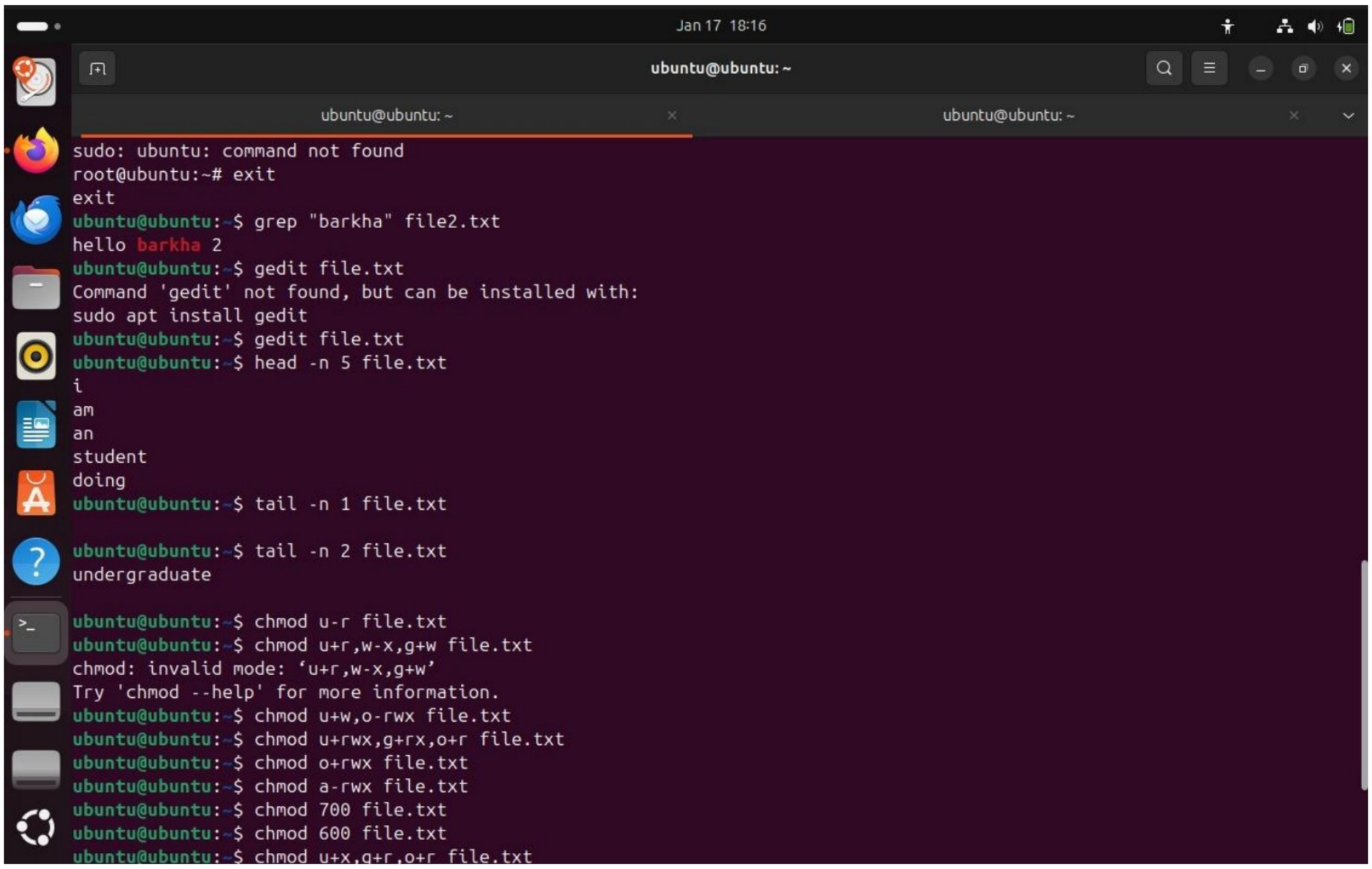

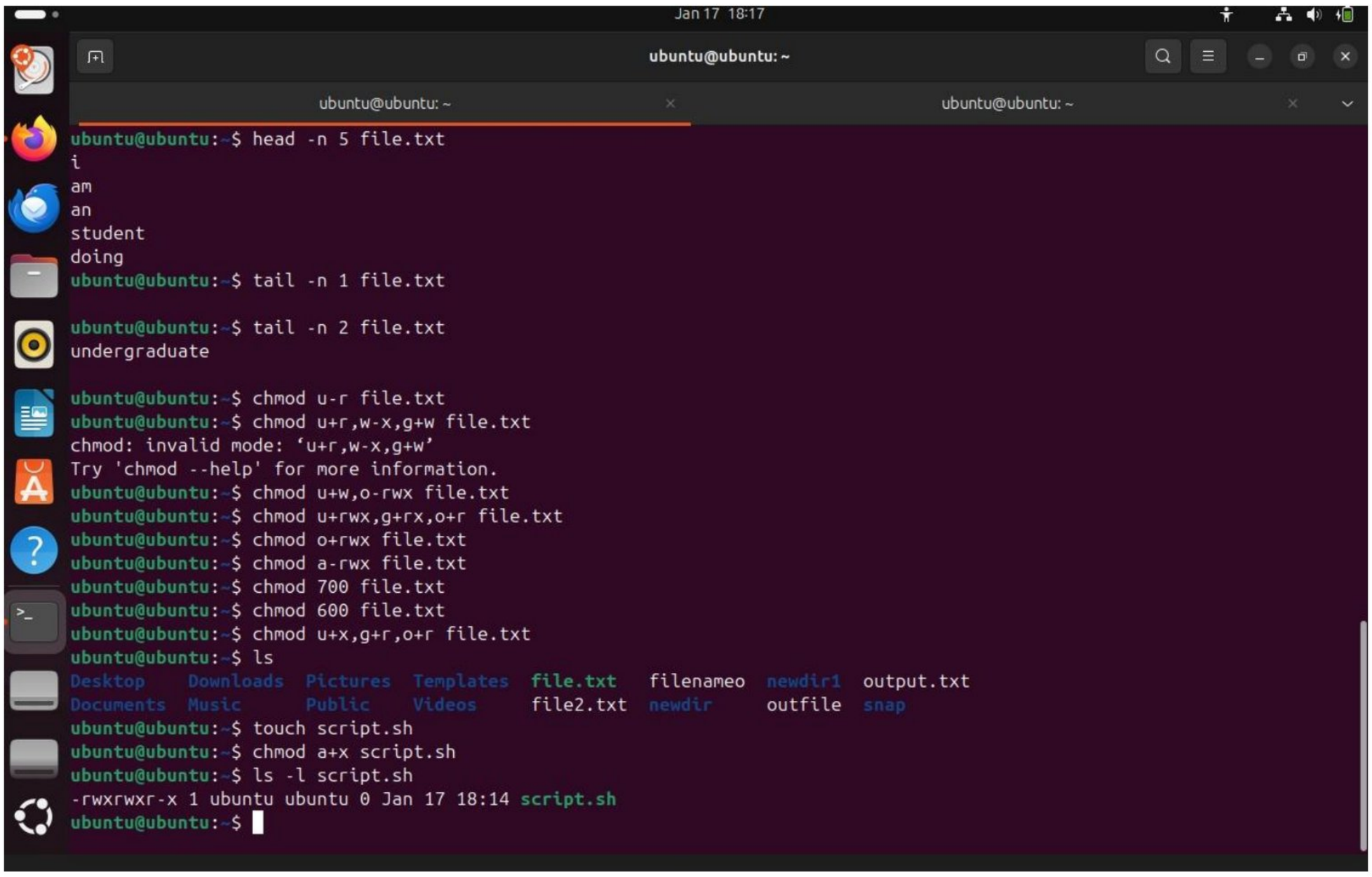

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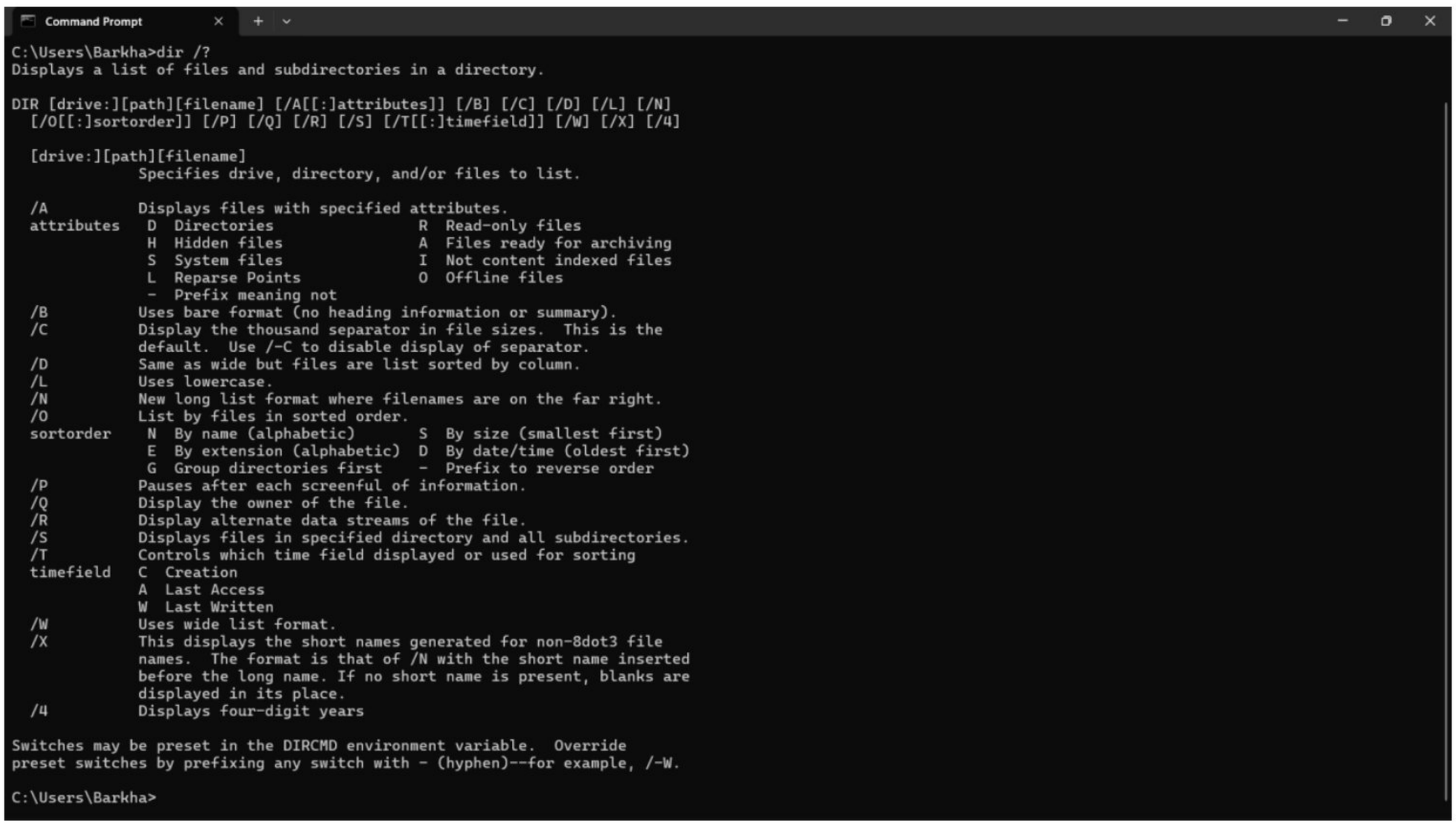
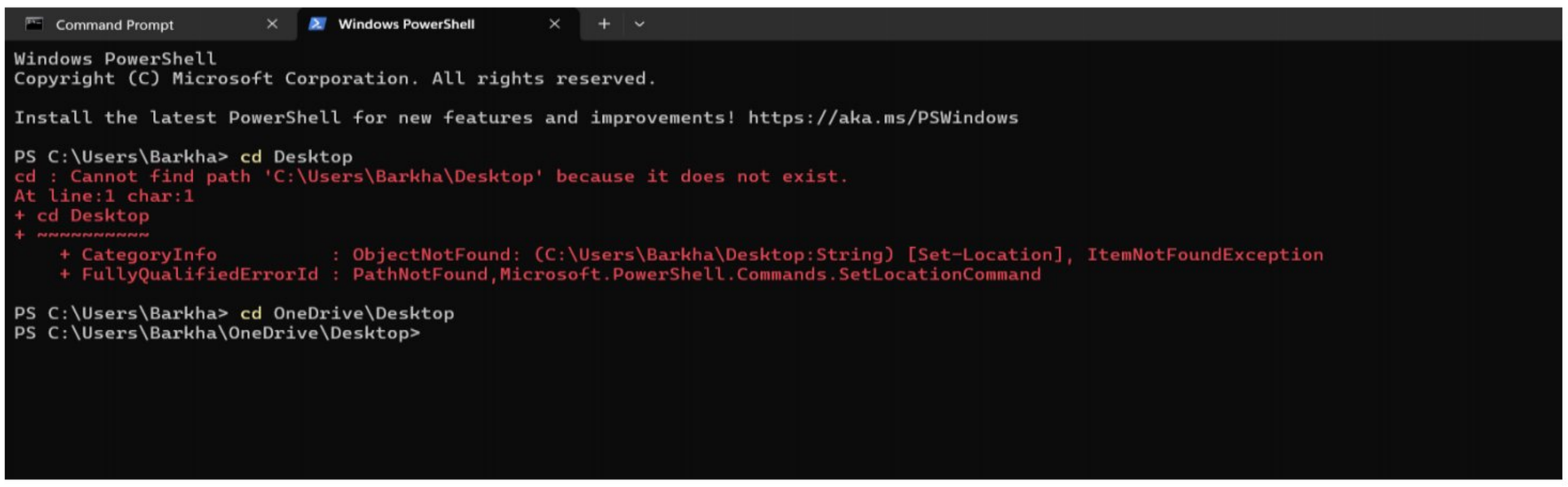
COMMAND PROMPT :-

Commands:

1. Display User Manual of a Command Functionality:



2. Change Current Working Directory. -



3. List Contents of the Current Directory.

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```
Command Prompt | Windows PowerShell

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 | Windows PowerShell

Windows PowerShell
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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 | Windows PowerShell

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 B I

BArkha Practical 1:

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

5. Create a New Directory.

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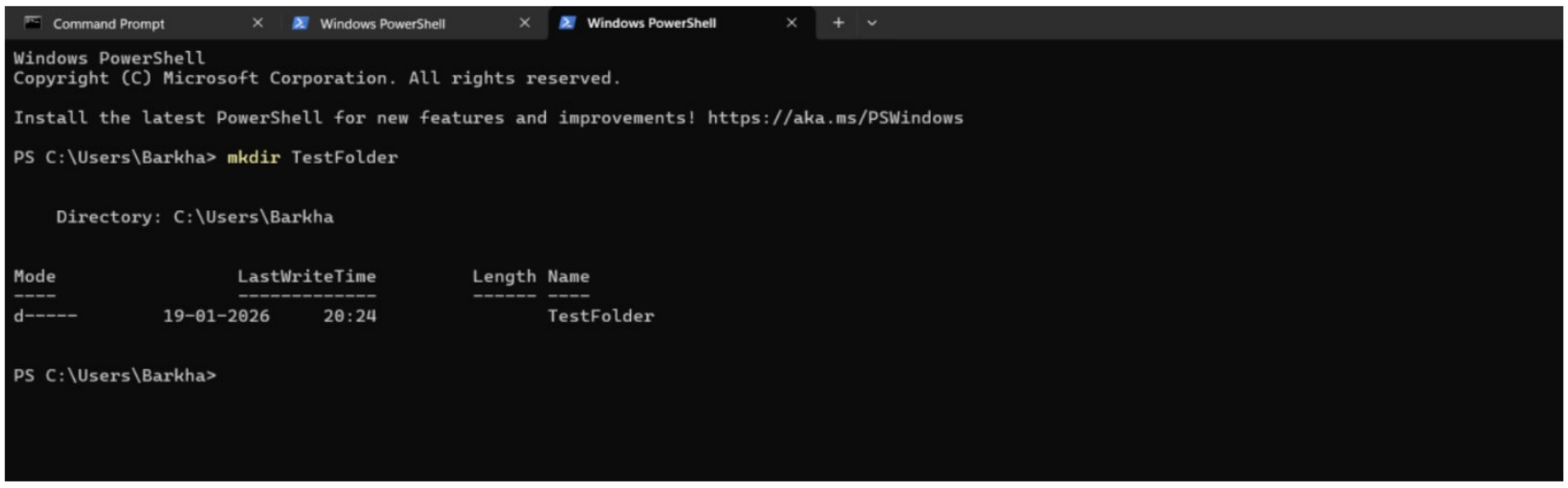
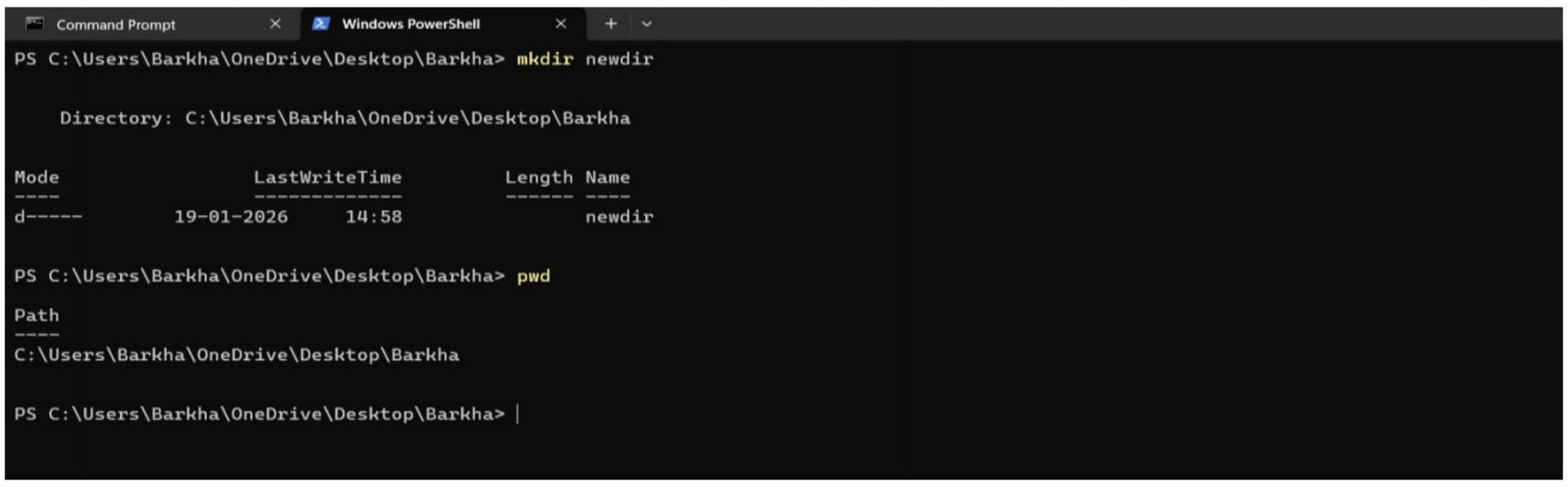
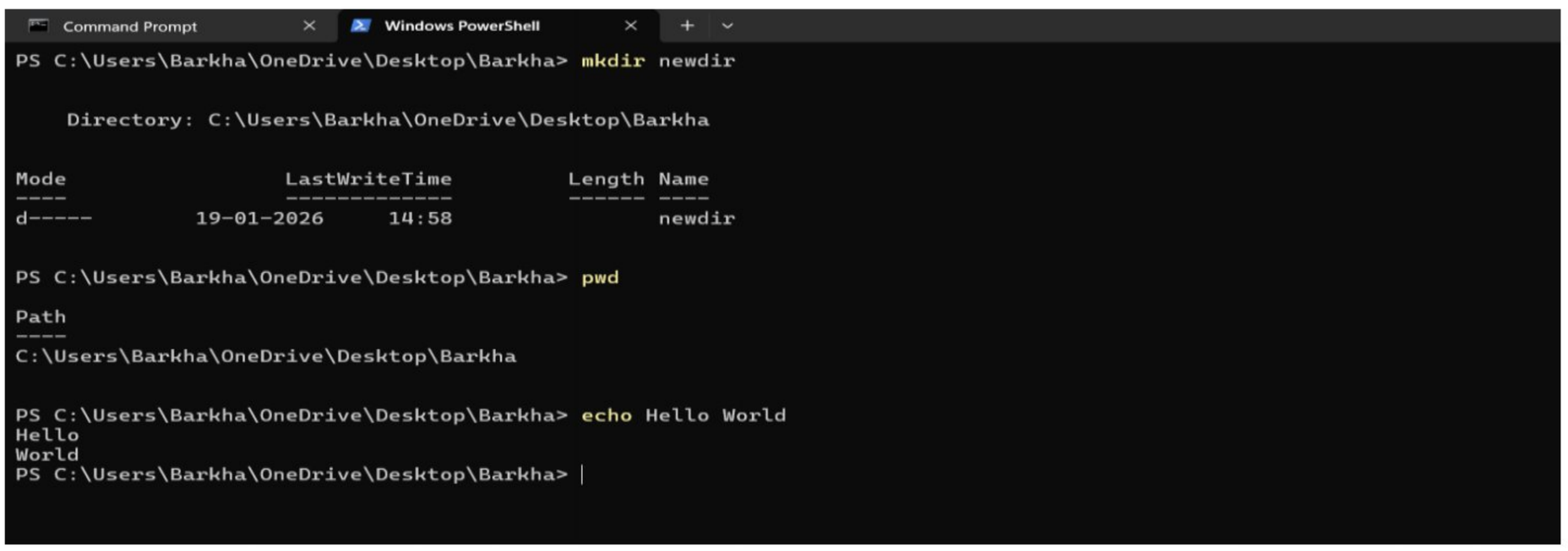


6. Display Current Working Directory



7. Write Arguments to Standard Output.



8. Remove a File.

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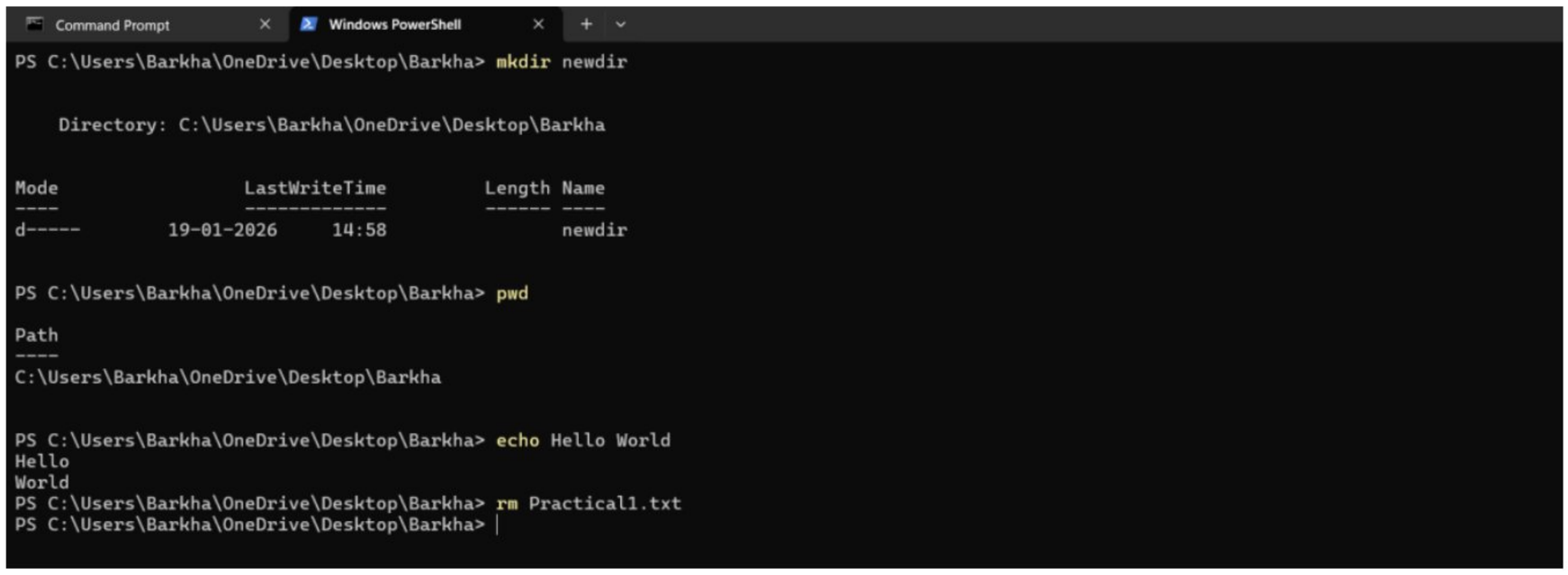
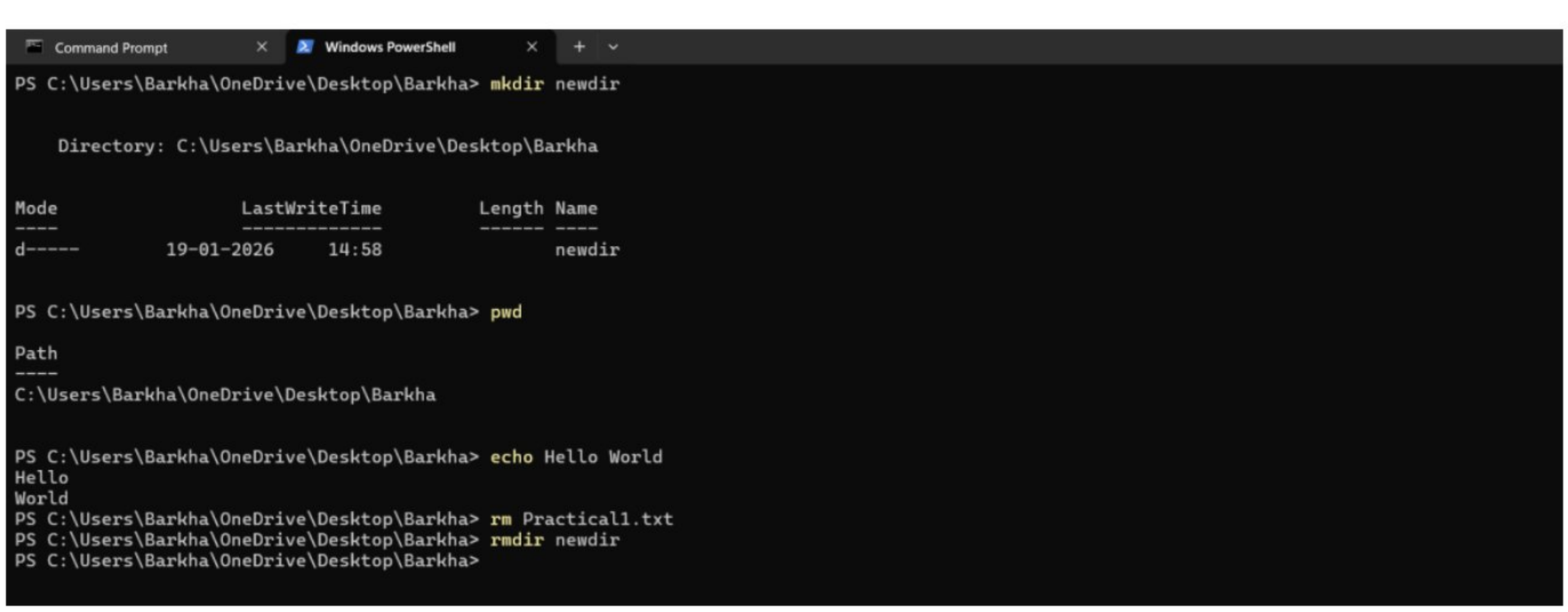
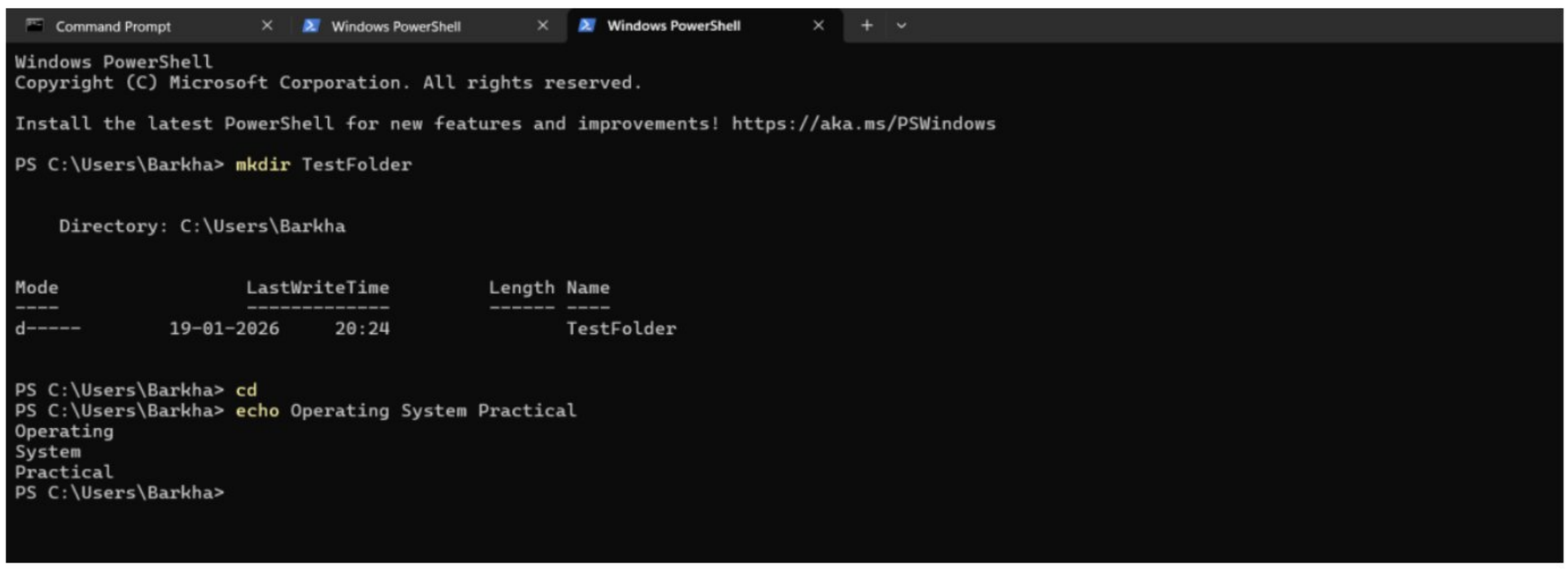


9. Delete a Directory.



10. Copy a File or Directory.



11. Switch to Root User

Steps:

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

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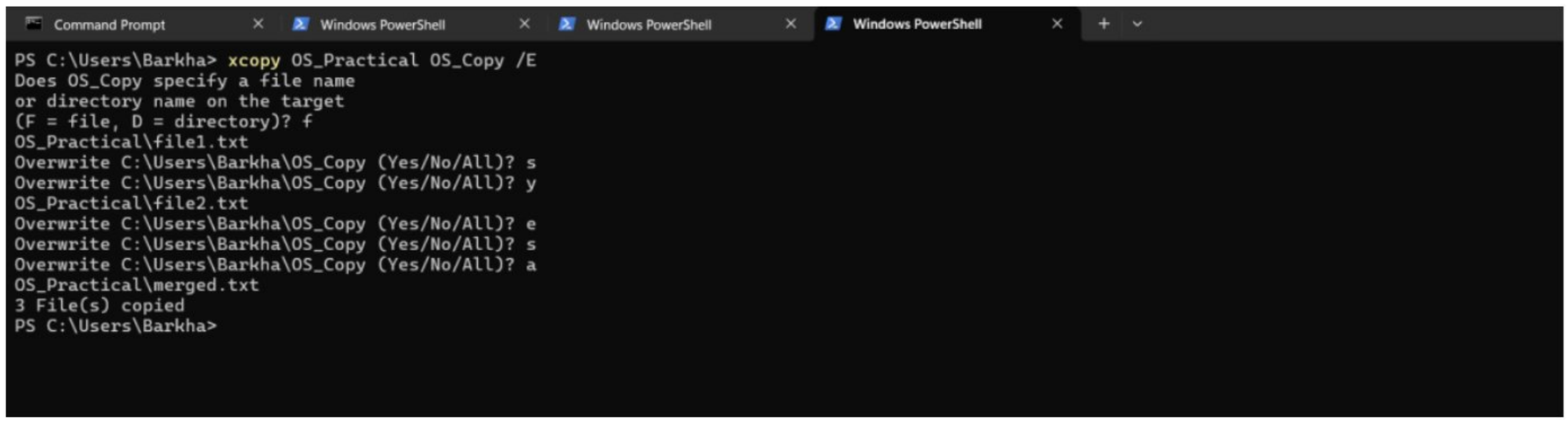
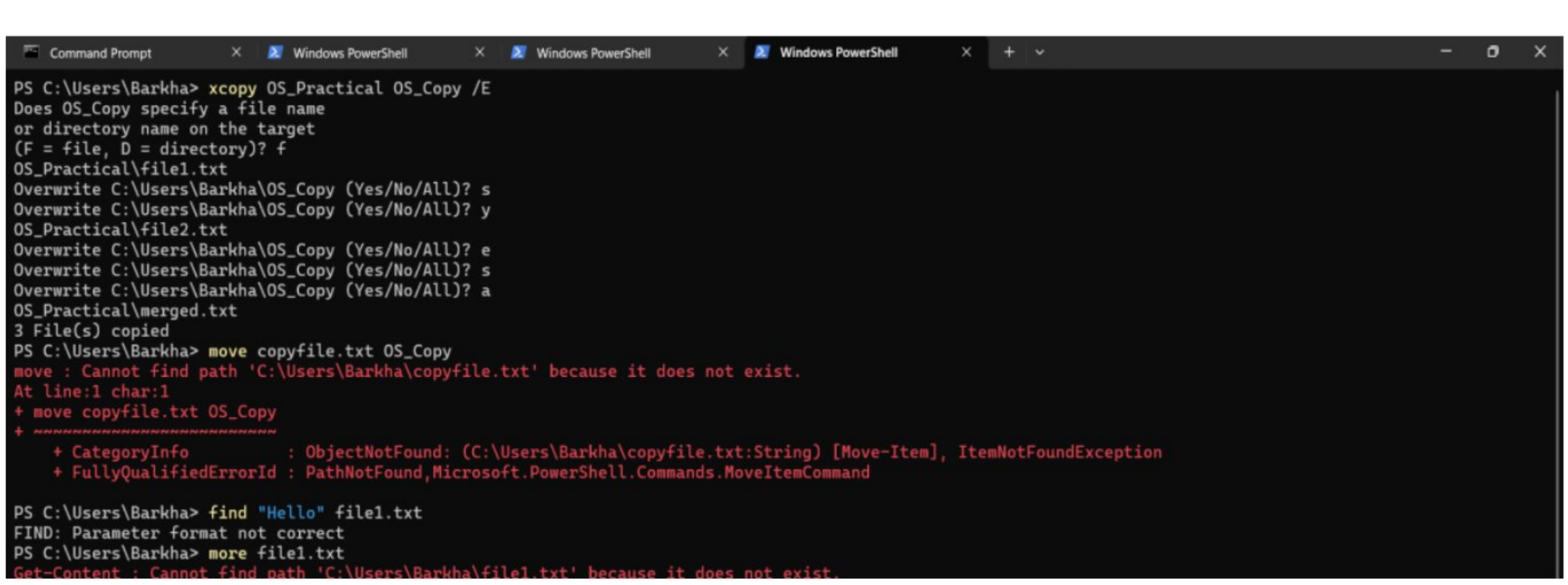
12. Move Files or Directories. Functionality:



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



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

15. Print Last N Lines of a File.

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```
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:

```
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:

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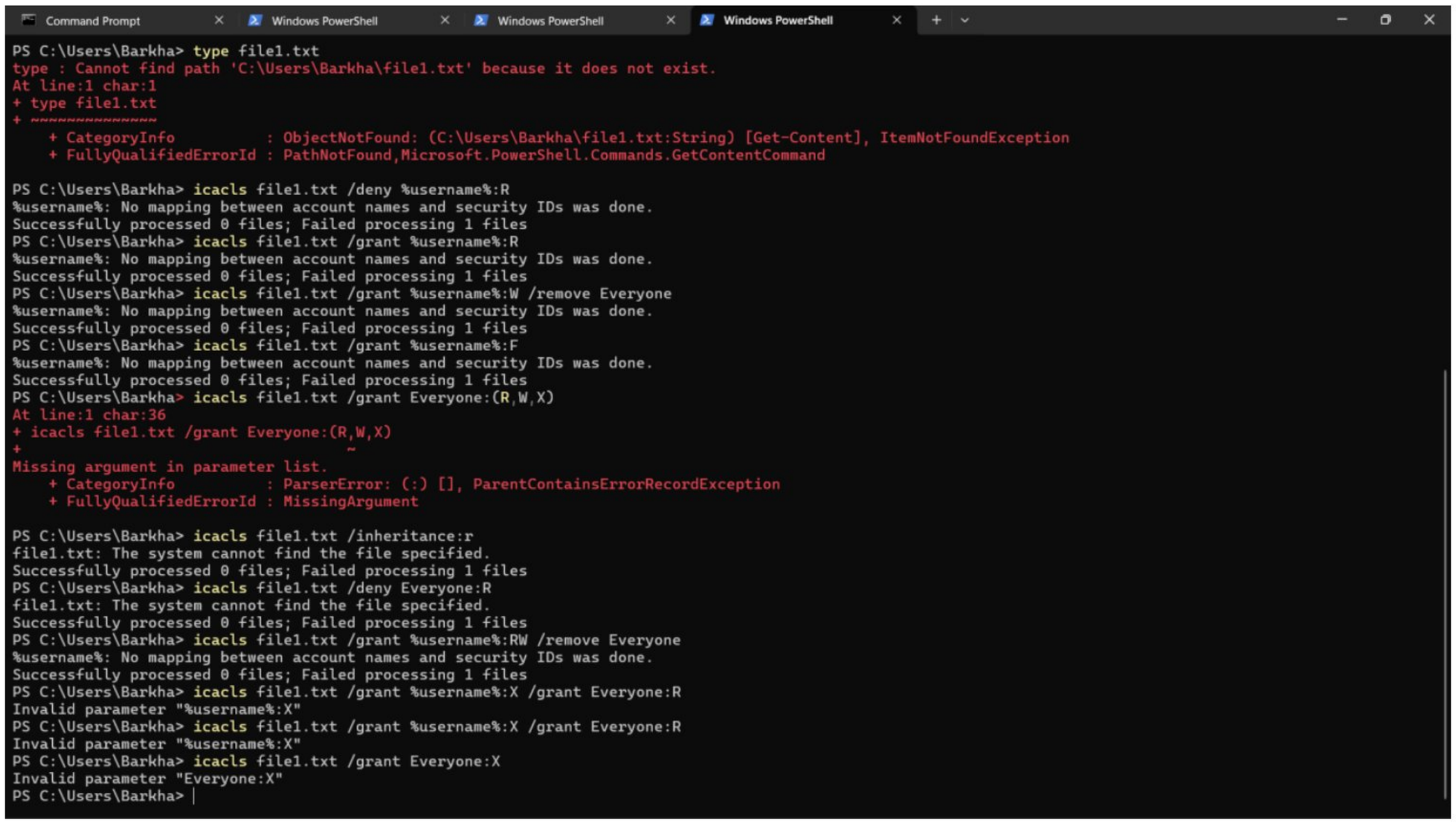
25. Add Execute Permission to All Users:



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