

### Instruction:

Complete all questions in 1 hour.

1. Start the "Command Prompt" from the Windows Start Menu (Start -> Accessories -> Command Promtp).

A screenshot of a Windows Command Prompt window. The title bar shows the file path 'C:\WINDOWS\system32\cmd.' and standard window controls. The window content displays the following text: 'Microsoft Windows [Version 10.0.22621.963]' followed by '(c) Microsoft Corporation. All rights reserved.' on the next line. The current directory is shown as 'C:\Users\User>' with a cursor at the end of the line.

```
C:\WINDOWS\system32\cmd. x + | v
Microsoft Windows [Version 10.0.22621.963]
(c) Microsoft Corporation. All rights reserved.
C:\Users\User>
```

2. Use `cd`, `cd..`, `cd/..` commands to navigate through the directories.

Create the Directory HCK on the desktop.

```
C:\WINDOWS\system32\cmd. X + v

C:\Users\User\Desktop> cd..

C:\Users\User>cd
C:\Users\User

C:\Users\User>cd desktop

C:\Users\User\Desktop>cd HCK

C:\Users\User\Desktop\HCK>cd/

C:\>|
```

```
C:\WINDOWS\system32\cmd. X + v

10/24/2022 07:42 AM <DIR> Creative Cloud Files
01/03/2023 10:21 AM <DIR> Desktop
12/27/2022 08:01 PM <DIR> Documents
01/03/2023 10:27 AM <DIR> Downloads
11/22/2022 07:18 AM <DIR> eclipse
11/22/2022 07:22 AM <DIR> eclipse-workspace
10/16/2022 11:24 PM <DIR> Favorites
11/25/2022 04:46 PM <DIR> Firstclass
01/03/2023 10:28 AM <DIR> HCK
10/16/2022 11:24 PM <DIR> Links
12/05/2022 08:29 PM <DIR> lol
12/21/2022 10:07 PM <DIR> mergesort
12/28/2022 01:42 PM <DIR> mergesort_220214
12/21/2022 10:14 PM 3,676 mergesort_220214.java.zip
11/22/2022 03:18 PM <DIR> Music
12/02/2022 10:30 PM <DIR> OneDrive
11/21/2022 09:18 PM <DIR> Pictures
12/02/2022 10:40 PM 0 README.md
11/22/2022 08:53 AM <DIR> Saved Games
10/16/2022 11:24 PM <DIR> Searches
10/11/2022 05:46 PM 2,296,488 SteamSetup.exe
12/21/2022 08:44 PM <DIR> Videos
7 File(s) 2,302,520 bytes
37 Dir(s) 51,624,071,168 bytes free

C:\Users\User>cd Desktop
C:\Users\User\Desktop>md HCK
C:\Users\User\Desktop>|
```

3. List the files in the current directories. Make use of commands cls, exit to clear the screen and exit the prompt.

```
C:\WINDOWS\system32\cmd. x + v

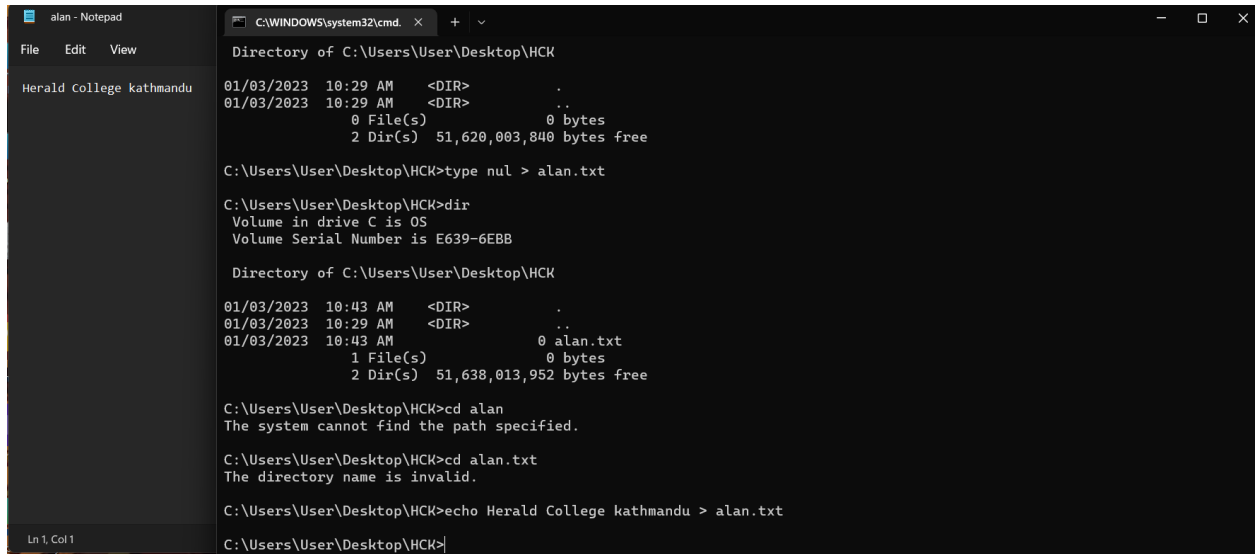
01/03/2023 10:29 AM <DIR> .
01/03/2023 10:28 AM <DIR> ..
12/19/2022 05:35 PM <DIR> academic
12/29/2022 11:08 AM      2,442 alan.gif
12/29/2022 01:23 PM    427,859 AlanShah-2329767-wsp5.docx
12/19/2022 09:25 PM      0 blog_correction.docx
11/17/2022 11:08 PM    245,867,868 BlueJ-windows-510.msi
11/17/2022 11:09 PM      1,906 BlueJ.lnk
12/29/2022 11:11 AM <DIR> fundamentals
01/03/2023 10:29 AM <DIR> HCK
12/29/2022 11:11 AM <DIR> introductory assinnment
07/01/2021 06:26 PM      893 KMPlayer 64X.lnk
12/29/2022 10:26 PM <DIR> layout1
12/29/2022 09:52 PM    246,732 layout1.zip
12/04/2022 07:38 AM <DIR> logsim
10/16/2022 11:24 PM      2,350 Microsoft Edge.lnk
12/24/2022 08:11 AM <DIR> Monal Creation
12/29/2022 08:03 PM <DIR> New folder - Copy
01/03/2023 10:20 AM    29,293 np03cs4a220214-Alan Shah.docx
10/11/2022 04:53 PM      1,437 Opera GX Browser.lnk
10/12/2022 08:34 AM <DIR> project
12/28/2022 09:13 AM <DIR> Software
12/30/2022 06:24 PM    170,246,995 vid 1.mp4
11/21/2022 08:58 PM      1,399 Visual Studio Code.lnk
12/27/2022 01:29 PM <DIR> webtech
      12 File(s)      416,829,174 bytes
      13 Dir(s)    51,624,353,792 bytes free

C:\Users\User\Desktop>cls
```

```
C:\WINDOWS\system32\cmd. x + v

C:\Users\User\Desktop>
```

4. Create a New.txt file containing the text “Herald College Kathmandu”, in the HCK directory.



```
alan - Notepad
File Edit View
Herald College kathmandu

C:\WINDOWS\system32\cmd. x + v
Directory of C:\Users\User\Desktop\HCK
01/03/2023 10:29 AM <DIR> .
01/03/2023 10:29 AM <DIR> ..
0 File(s) 0 bytes
2 Dir(s) 51,620,003,840 bytes free

C:\Users\User\Desktop\HCK>type nul > alan.txt

C:\Users\User\Desktop\HCK>dir
Volume in drive C is OS
Volume Serial Number is E639-6EBB

Directory of C:\Users\User\Desktop\HCK
01/03/2023 10:43 AM <DIR> .
01/03/2023 10:29 AM <DIR> ..
01/03/2023 10:43 AM 0 alan.txt
1 File(s) 0 bytes
2 Dir(s) 51,638,013,952 bytes free

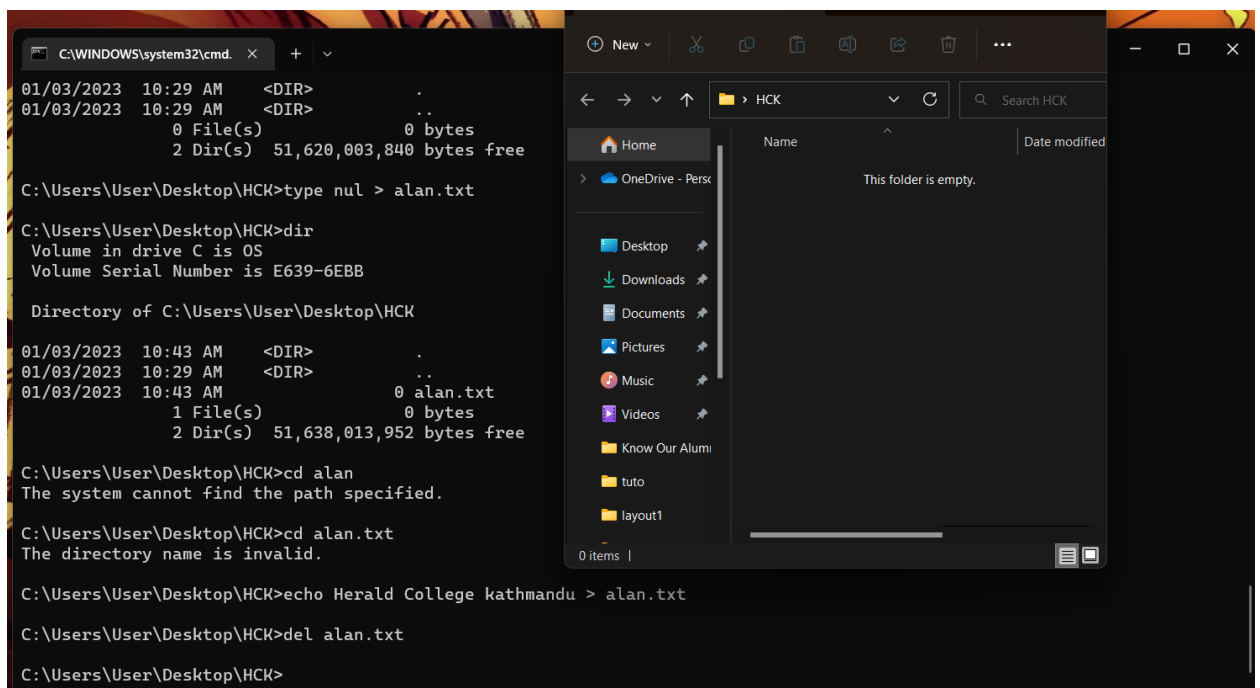
C:\Users\User\Desktop\HCK>cd alan
The system cannot find the path specified.

C:\Users\User\Desktop\HCK>cd alan.txt
The directory name is invalid.

C:\Users\User\Desktop\HCK>echo Herald College kathmandu > alan.txt

Ln 1, Col 1
C:\Users\User\Desktop\HCK>
```

5. Delete the New.txt file from the HCK directory.



```
C:\WINDOWS\system32\cmd. x + v
01/03/2023 10:29 AM <DIR> .
01/03/2023 10:29 AM <DIR> ..
0 File(s) 0 bytes
2 Dir(s) 51,620,003,840 bytes free

C:\Users\User\Desktop\HCK>type nul > alan.txt

C:\Users\User\Desktop\HCK>dir
Volume in drive C is OS
Volume Serial Number is E639-6EBB

Directory of C:\Users\User\Desktop\HCK
01/03/2023 10:43 AM <DIR> .
01/03/2023 10:29 AM <DIR> ..
01/03/2023 10:43 AM 0 alan.txt
1 File(s) 0 bytes
2 Dir(s) 51,638,013,952 bytes free

C:\Users\User\Desktop\HCK>cd alan
The system cannot find the path specified.

C:\Users\User\Desktop\HCK>cd alan.txt
The directory name is invalid.

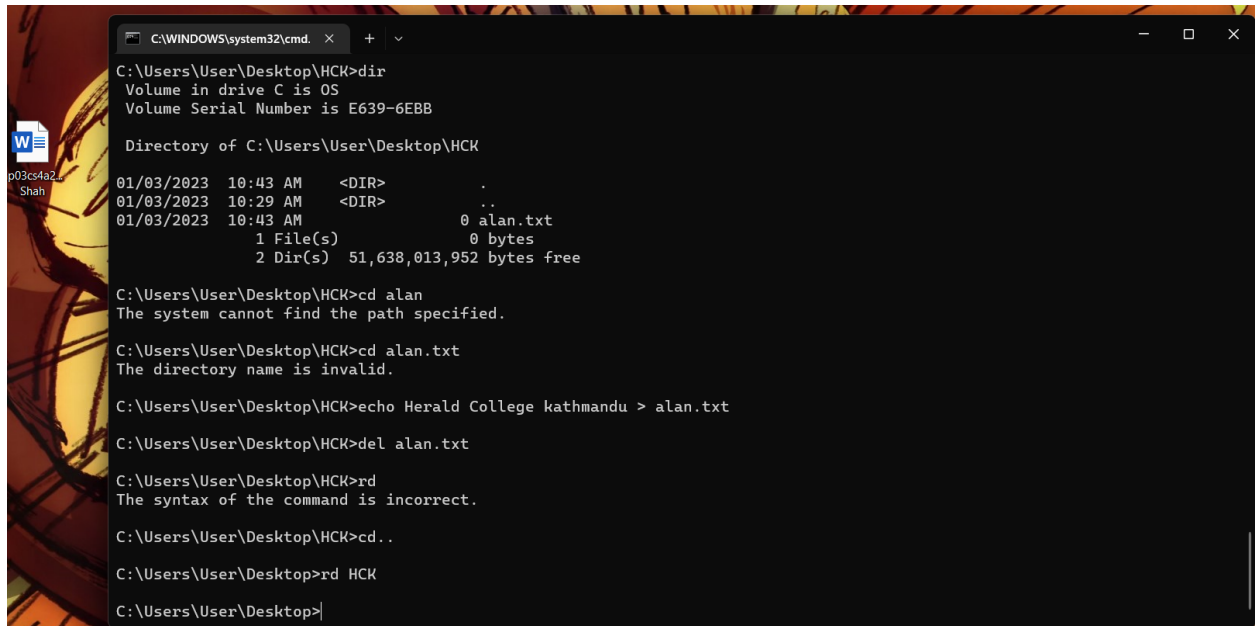
C:\Users\User\Desktop\HCK>echo Herald College kathmandu > alan.txt

C:\Users\User\Desktop\HCK>del alan.txt

C:\Users\User\Desktop\HCK>
```

The File Explorer window shows the 'HCK' folder on the Desktop. The folder is empty, displaying the message 'This folder is empty.' The left sidebar shows the navigation pane with 'Desktop' selected.

6. Remove the directory HCK from the Desktop.



```

C:\WINDOWS\system32\cmd. x + v
C:\Users\User\Desktop\HCK>dir
Volume in drive C is OS
Volume Serial Number is E639-6EBB

Directory of C:\Users\User\Desktop\HCK

01/03/2023  10:43 AM  <DIR>          .
01/03/2023  10:29 AM  <DIR>          ..
01/03/2023  10:43 AM                0 alan.txt
                1 File(s)                0 bytes
                2 Dir(s)  51,638,013,952 bytes free

C:\Users\User\Desktop\HCK>cd alan
The system cannot find the path specified.

C:\Users\User\Desktop\HCK>cd alan.txt
The directory name is invalid.

C:\Users\User\Desktop\HCK>echo Herald College kathmandu > alan.txt

C:\Users\User\Desktop\HCK>del alan.txt

C:\Users\User\Desktop\HCK>rd
The syntax of the command is incorrect.

C:\Users\User\Desktop\HCK>cd..

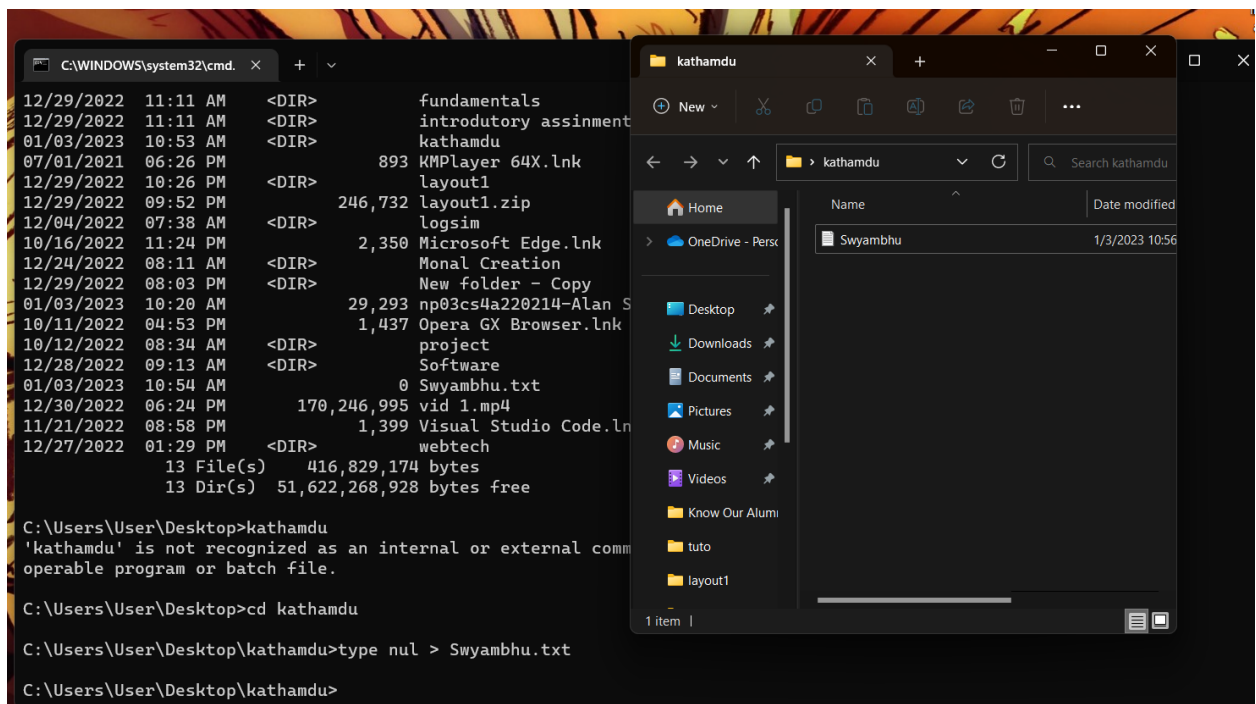
C:\Users\User\Desktop>rd HCK

C:\Users\User\Desktop>

```

7. Create a directory Kathmandu on the desktop containing file Swyambhu.txt,

Rename Swayambhu.txt as Barahi.txt



```

C:\WINDOWS\system32\cmd. x + v
12/29/2022  11:11 AM  <DIR>          fundamentals
12/29/2022  11:11 AM  <DIR>          introductory assinent
01/03/2023  10:53 AM  <DIR>          kathamdu
07/01/2021  06:26 PM                893 KMPlayer 64X.lnk
12/29/2022  10:26 PM                layout1
12/29/2022  09:52 PM          246,732 layout1.zip
12/04/2022  07:38 AM  <DIR>          logsim
10/16/2022  11:24 PM          2,350 Microsoft Edge.lnk
12/24/2022  08:11 AM  <DIR>          Monal Creation
12/29/2022  08:03 PM  <DIR>          New folder - Copy
01/03/2023  10:20 AM          29,293 np03cs4a220214-Alan S
10/11/2022  04:53 PM          1,437 Opera GX Browser.lnk
10/12/2022  08:34 AM  <DIR>          project
12/28/2022  09:13 AM  <DIR>          Software
01/03/2023  10:54 AM                0 Swyambhu.txt
12/30/2022  06:24 PM          170,246,995 vid 1.mp4
11/21/2022  08:58 PM          1,399 Visual Studio Code.ln
12/27/2022  01:29 PM  <DIR>          webtech
                13 File(s)          416,829,174 bytes
                13 Dir(s)  51,622,268,928 bytes free

C:\Users\User\Desktop>kathamdu
'kathamdu' is not recognized as an internal or external comm
operable program or batch file.

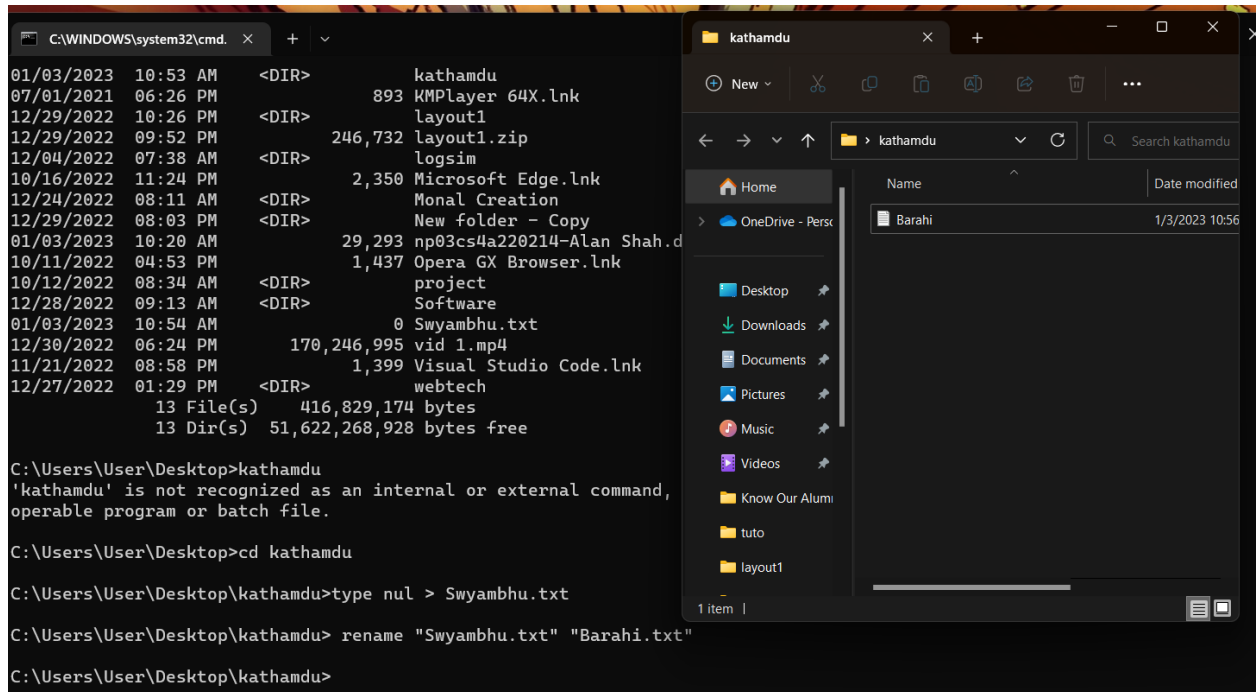
C:\Users\User\Desktop>cd kathamdu

C:\Users\User\Desktop\kathamdu>type nul > Swyambhu.txt

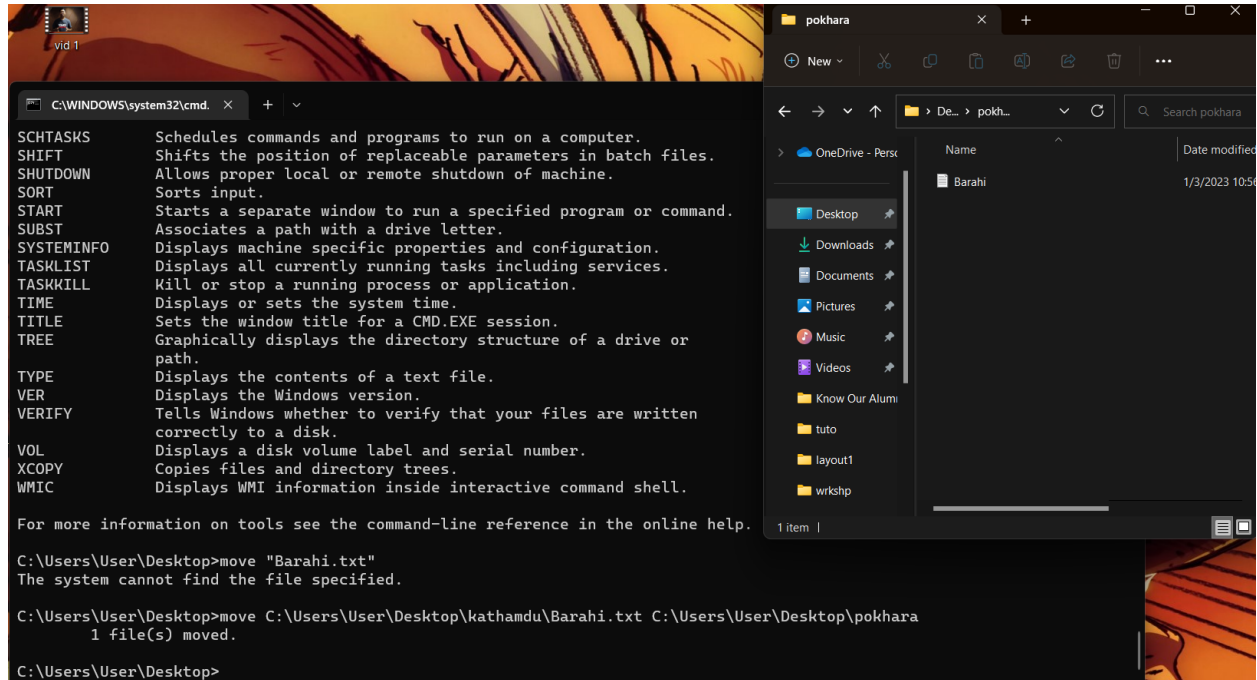
C:\Users\User\Desktop\kathamdu>

```

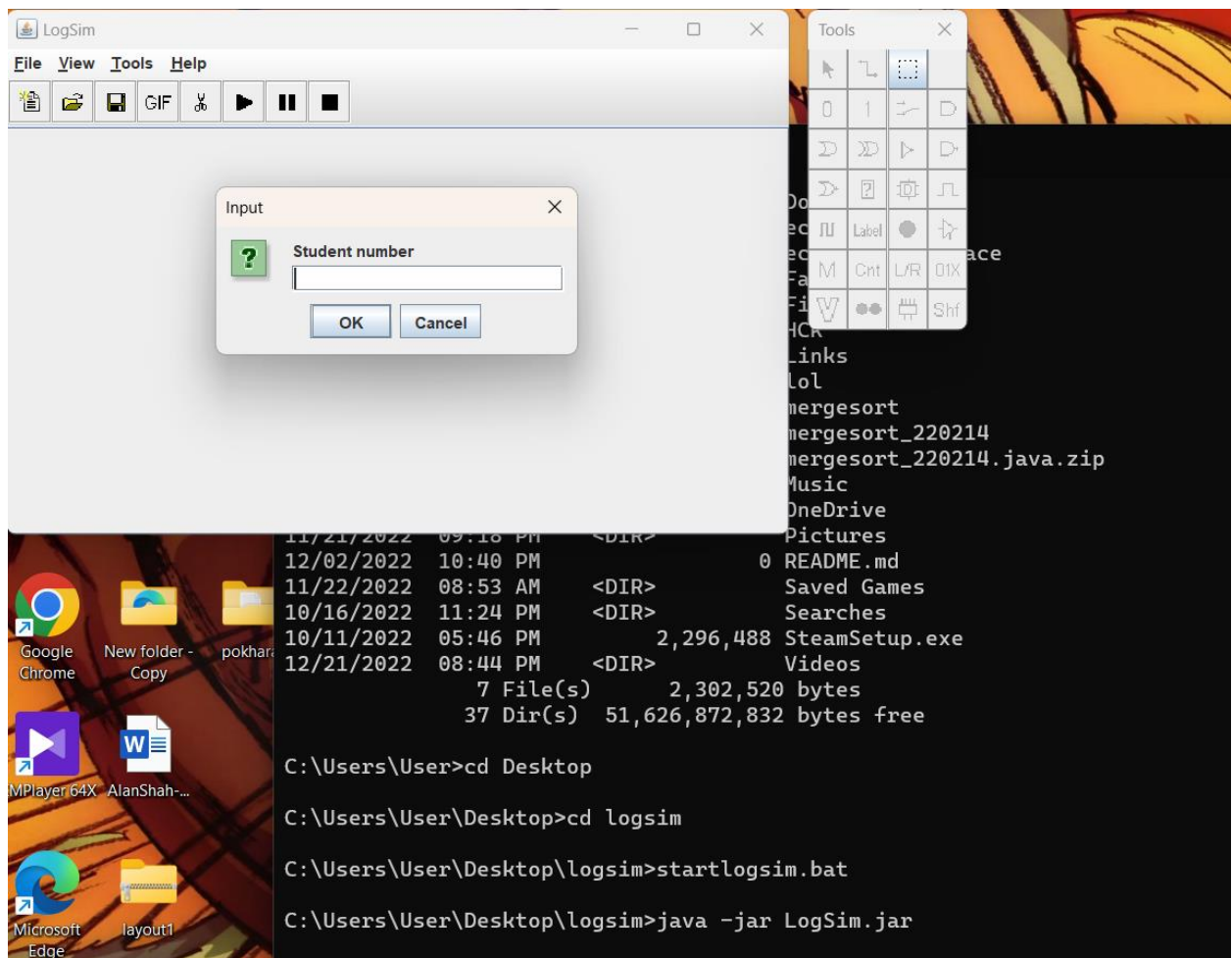
The File Explorer window shows the 'kathamdu' folder on the Desktop. It contains a single file named 'Swyambhu' with a date modified of 1/3/2023 10:56.



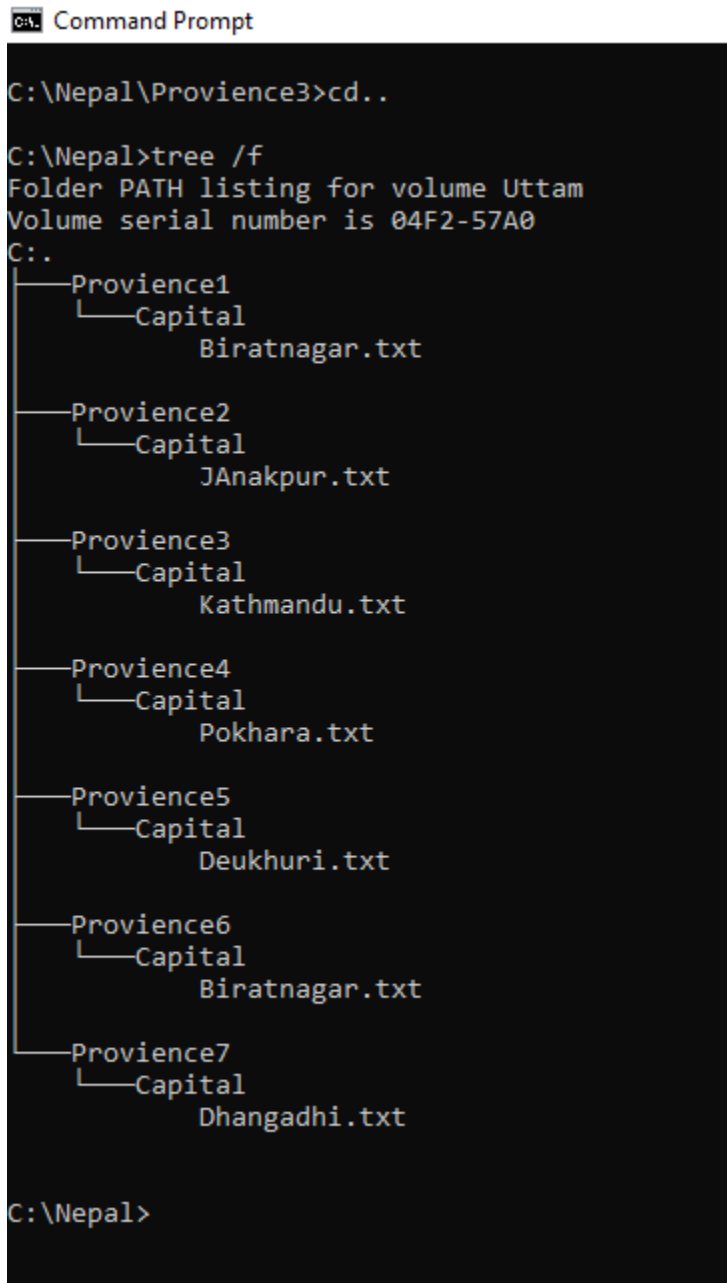
8. Create Directory Pokhara on the Desktop and move Bahari.txt of the directory Kathmandu to the directory Pokhara.



9. Write the python program in IDLE which takes two inputs from the user and returns the sum of the two numbers. Run this program from the command prompt.
10. Run the logsim program from the command prompt.



11. Create the following structure and take a Screenshot. Paste your result here.



```
Command Prompt

C:\Nepal\Provience3>cd..

C:\Nepal>tree /f
Folder PATH listing for volume Uttam
Volume serial number is 04F2-57A0
C:
├── Provience1
│   └── Capital
│       └── Biratnagar.txt
├── Provience2
│   └── Capital
│       └── JAnakpur.txt
├── Provience3
│   └── Capital
│       └── Kathmandu.txt
├── Provience4
│   └── Capital
│       └── Pokhara.txt
├── Provience5
│   └── Capital
│       └── Deukhuri.txt
├── Provience6
│   └── Capital
│       └── Biratnagar.txt
└── Provience7
    └── Capital
        └── Dhangadhi.txt

C:\Nepal>
```

For more details about Commands you can type **Help** which lists all the internal commands:



```
The system cannot find the file specified.
```

```
C:\Users\User\Desktop\Nepal>echo > Provience1\capital\biratnagar.txt
```

```
C:\Users\User\Desktop\Nepal>echo >Provience2\capital\janakpur.txt
```

```
C:\Users\User\Desktop\Nepal>echo > Provience3\capital\kathmandu.txt
```

```
C:\Users\User\Desktop\Nepal>echo > Provience4\capital\pokhara.txt
```

```
C:\Users\User\Desktop\Nepal>echo > Provience5\capital\deukhuri.txt
```

```
C:\Users\User\Desktop\Nepal>echo > Provience6\capital\biratnagar.txt
```

```
C:\Users\User\Desktop\Nepal>echo > Provience7\capital\dhangadi.txt
```

```
C:\Users\User\Desktop\Nepal>tree /f
```

```
Folder PATH listing for volume OS
```

```
Volume serial number is E639-6EBB
```

```
C:.
```

```
|---Provience1  
|   |---capital  
|       biratnagar.txt
```

```
|---Provience2  
|   |---capital  
|       janakpur.txt
```

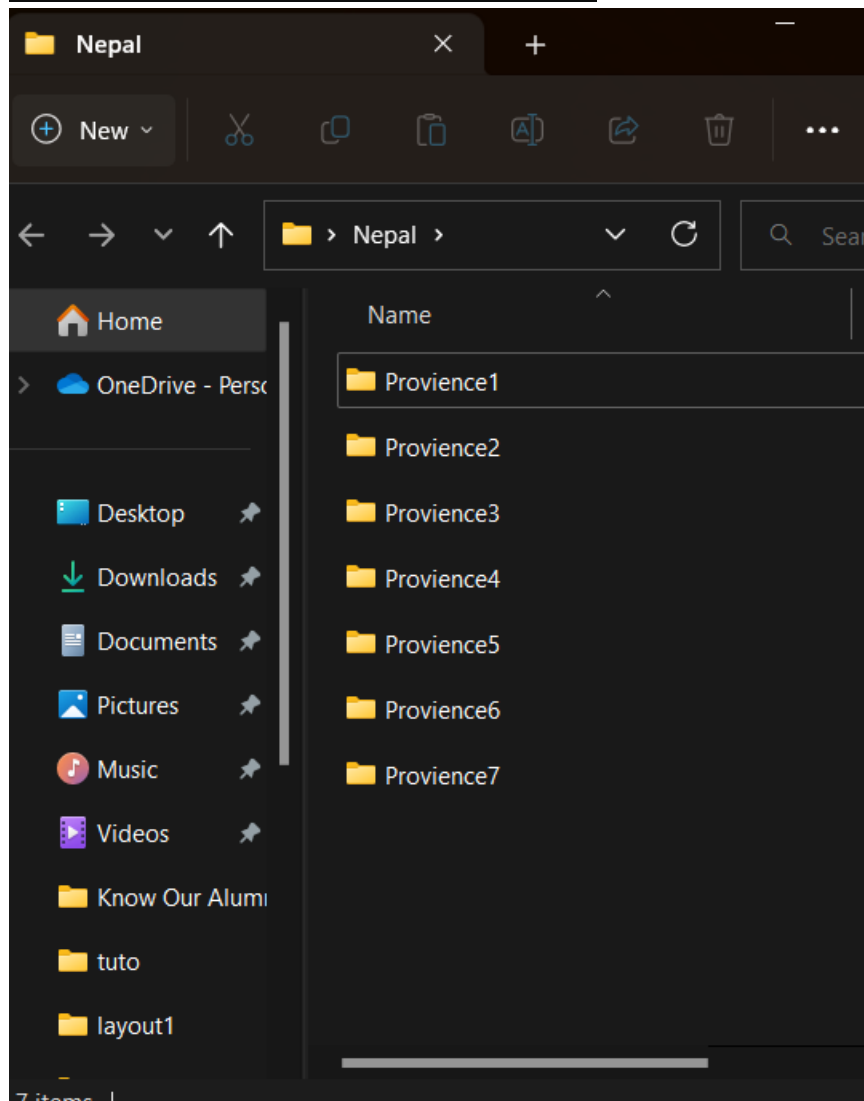
```
|---Provience3  
|   |---capital  
|       kathmandu.txt
```

```
|---Provience4  
|   |---capital  
|       pokhara.txt
```

```
|---Provience5  
|   |---capital  
|       deukhuri.txt
```

```
|---Provience6  
|   |---capital
```

```
biratnagar.txt
└── Province7
    └── capital
        └── dhangadi.txt
```



> Nepal > Province1 > capital				
	Name	Date modified	Type	Size
ona	biratnagar	1/3/2023 11:36 AM	Text Document	1 KB

Nepal > Provience2 > capital				
	Name ^	Date modified	Type	Size
ona	janakpur	1/3/2023 11:36 AM	Text Document	1 KB

Nepal > Provience3 > capital				
	Name ^	Date modified	Type	Size
ona	kathmandu	1/3/2023 11:37 AM	Text Document	1 KB

Nepal > Provience4 > capital				
	Name ^	Date modified	Type	Size
ona	pokhara	1/3/2023 11:37 AM	Text Document	1 KB

Nepal > Provience5 > capital				
	Name ^	Date modified	Type	Size
ona	deukhuri	1/3/2023 11:37 AM	Text Document	1 KB

Nepal > Provience6 > capital				
	Name ^	Date modified	Type	Size
ona	biratnagar	1/3/2023 11:38 AM	Text Document	1 KB

Nepal > Provience7 > capital				
Up to "Provience7" (Alt + Up Arrow)				
	Name ^	Date modified	Type	Size
ona	dhangadi	1/3/2023 11:38 AM	Text Document	1 KB