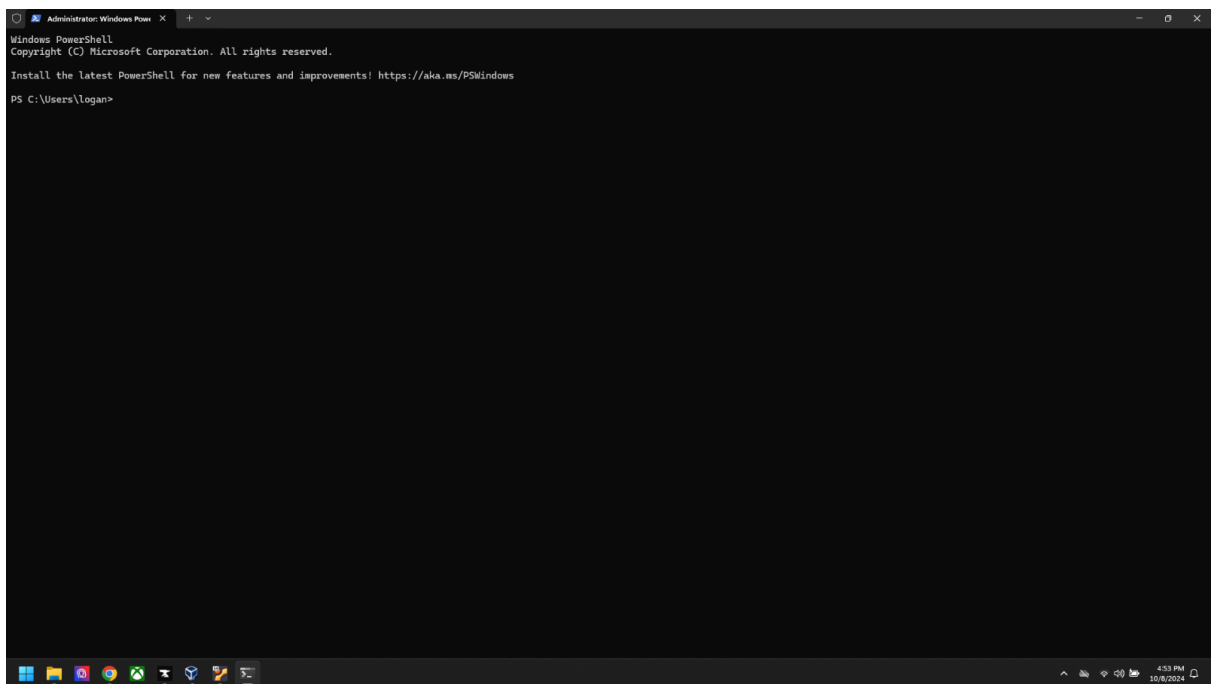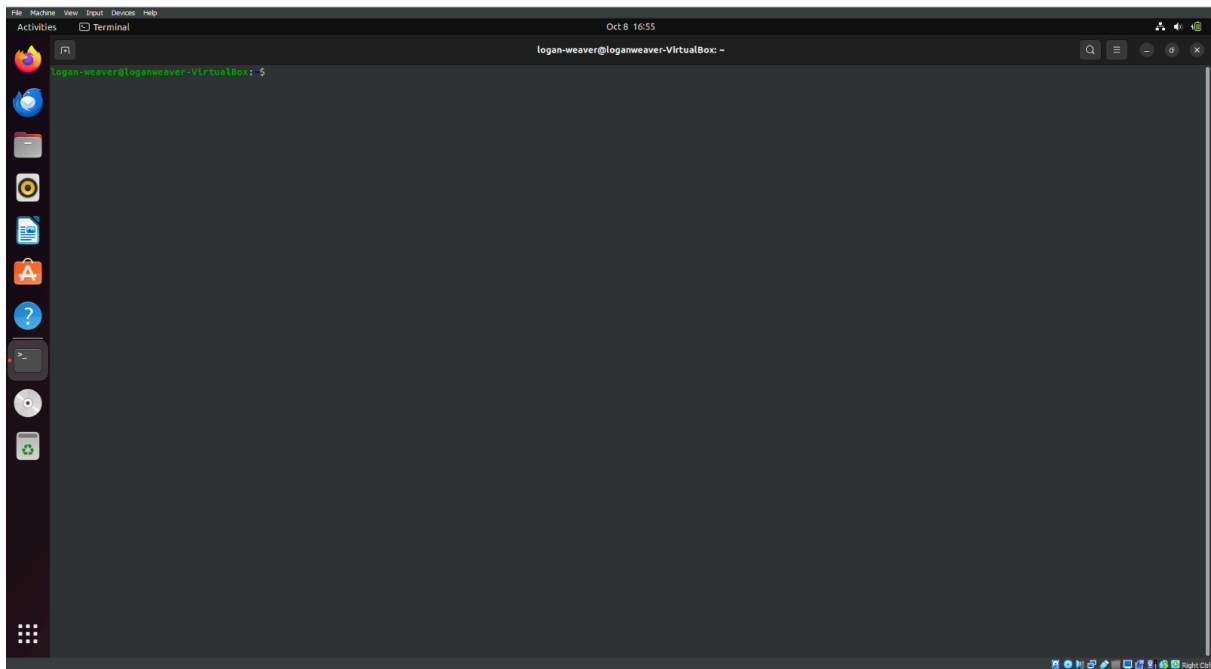# Lab *03– Navigating*

Name: Logan Weaver
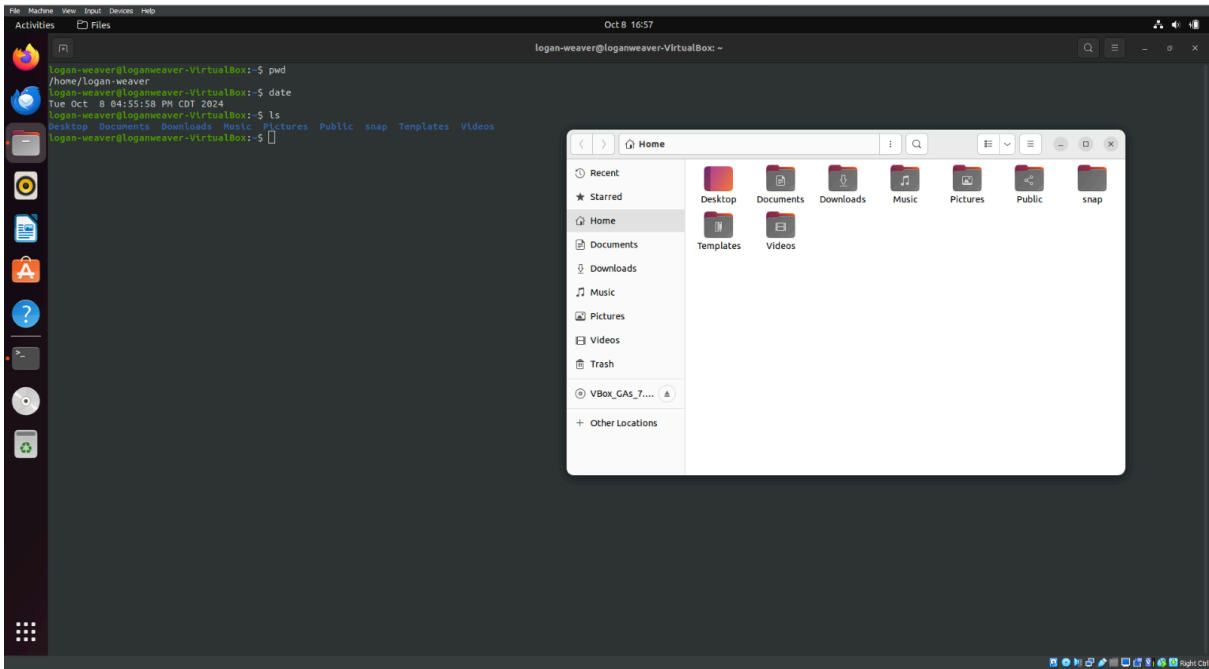**Course/Section**: IS-1003-01T
Date: 10/08/2024

INTRODUCTION

In this lab we gained a deeper understanding of the command line and terminal in Linux and Windows respectively.
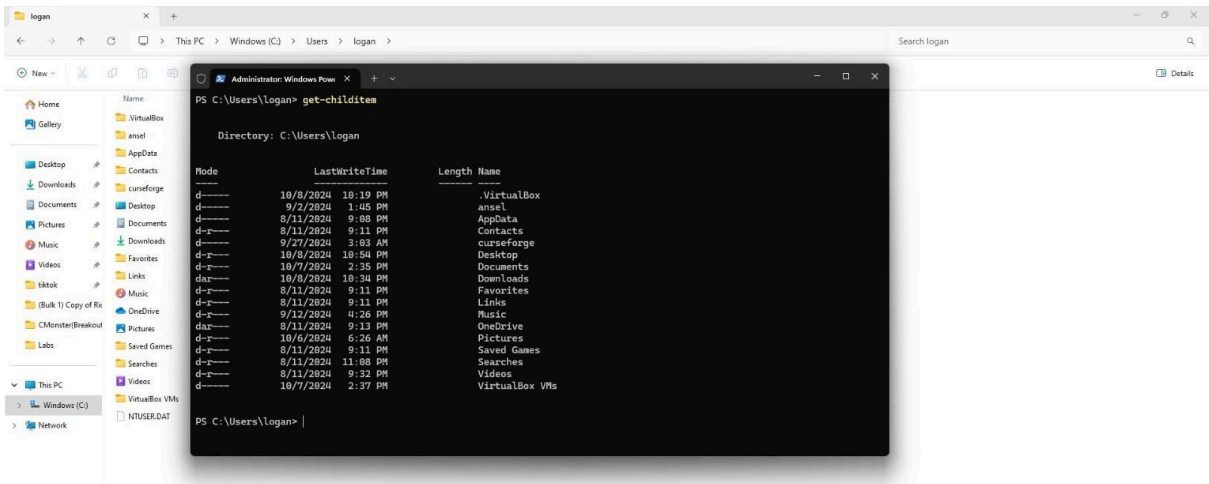
BREAKPOINT 1

In breakpoint 1 I simply opened the terminal by typing it using the command ctrl – alt - T and the command line by typing Windows key + X and selecting Terminal. I switched my Linux terminal to tango theme.

BREAKPOINT 2

Different folders are in my home folder, like documents, screenshots, and pictures. The GUI view is more aesthetically pleasing to view, but the terminal view is more concise.

BREAKPOINT 3

Similar items are in my home folder on windows as the ones on my Linux computer. On the windows computer, folders like desktop, downloads, and pictures are in my home folder.

Path: "C:\Users\logan\Desktop\Labs"

BREAKPOINT 4

Ls – a: Lists all files and directories, including hidden ones

Ls –al: Lists all files (including hidden ones) in long format

echo: Outputs a message

mkdir: creates a directory

Touch: Creates an empty folder

Cat: Concatenates and displays the contents of files

mv: Moves and renames files and directories

cp: Copies files and directories

rmdir: Removes empty directories

rm: Removes files and directories

history: displays the command history

BREAKPOINT 5

```
PS C:\Users\logan> copy-item -path test.txt -destination IS-1003
PS C:\Users\logan> remove-item IS-1003

Confirm
The item at C:\Users\logan\IS-1003 has children and the Recurse parameter was not specified. If you continue, all
children will be removed with the item. Are you sure you want to continue?
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help (default is "Y"): Y
PS C:\Users\logan> get-history

  Id CommandLine
  -- -----------
   1 Get-ChildItem
   2 write-host "Hello, World!"
   3  new-item -name "IS-1003" -itemtype directory
   4 set-location IS-1003
   5 new-item "test.txt"
   6 write-output "Hello, Again!" >> test.txt
   7 Get-content test.txt
   8 set-location -path ..
   9 move-item .\IS-1003\test.txt .\test.txt
  10 get-location
  11 get-childitem
  12 copy-item -path test.txt -destination IS-1003
  13 remove-item IS-1003


PS C:\Users\logan> |
```

I executed similar commands in PowerShell that I executed in my Linux terminal, creating, moving, and removing a file.

Get-ChildItem: lists contents in directory

write-host "Hello, World!": prints string

new-item -name "IS-1003" -itemtype directory: creates a new directory

set-location IS-1003: changes working directory

new-item "test.txt": creates a new file

write-output "Hello, Again!" >> test.txt: appends text to file test.txt

Get-content test.txt: gets contents of test.txt

set-location -path .. : moves directory

move-item .\IS-1003\test.txt .\test.txt: moves file to new directory

get-location: gets location of current directory

get-childitem: lists contents of current directory

copy-item -path test.txt -destination IS-1003: copies file to is-1003 directory

remove-item IS-1003: deletes directory

CONCLUSION

I did not have any challenges besides m typing typos, I had a great time and learned a lot, I find navigating the command line and terminal to be a useful skill.

```
PS C:\Users\logan> copy-item -path test.txt -destination IS-1003
PS C:\Users\logan> remove-item IS-1003

Confirm
The item at C:\Users\logan\IS-1003 has children and the Recurse parameter was not specified. If you continue, all
children will be removed with the item. Are you sure you want to continue?
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help (default is "Y"): Y
PS C:\Users\logan> get-history

  Id CommandLine
  -- -----------
   1 Get-ChildItem
   2 write-host "Hello, World!"
```

REFERENCES

R. Mitra, "*Lab 03: Navigating,*" The University of Texas at San Antonio (2024). Last accessed: *10/08/2024.*

COLLABORATION

I worked alone