



CY2002

Digital Forensics

Assignment 01 **Hands-On Projects**

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Date: 16/9/2024

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- **Introduction**

In this assignment we were given 6 hands on projects to investigate in autopsy so we can get a better understanding of the tool and basics of Digital Forensics.

Note: Table of content should be updated automatically. Just click on table of contents and click on update table.

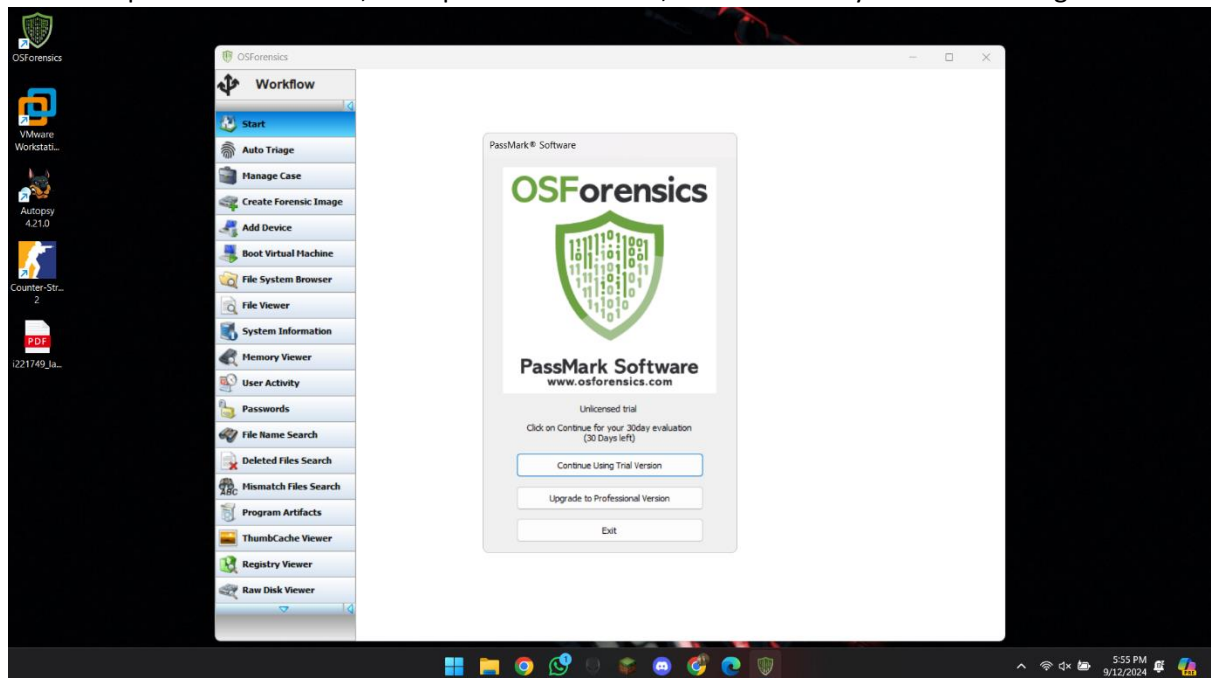
- **Details and Steps**

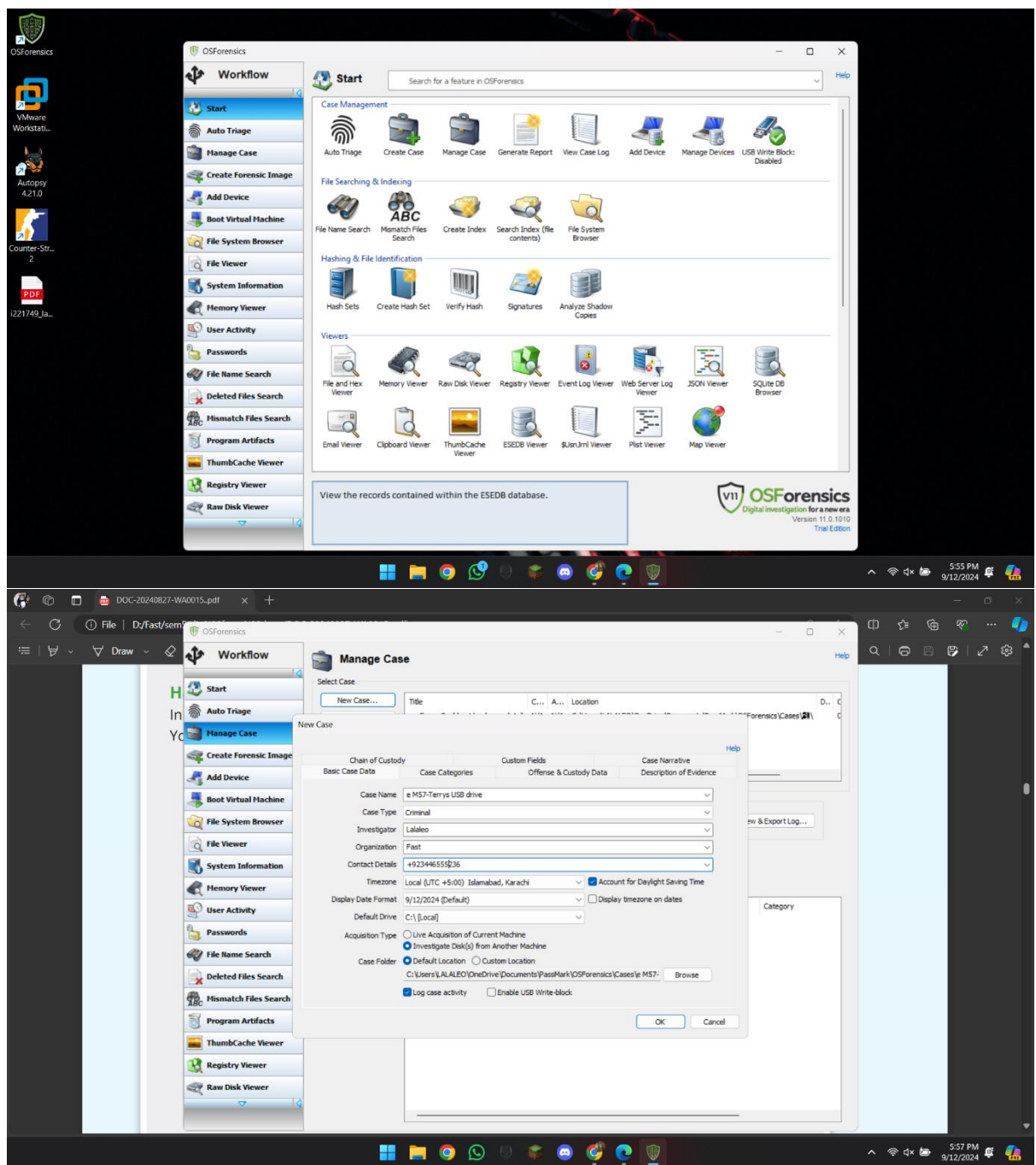
- Hands-On Project 4-3

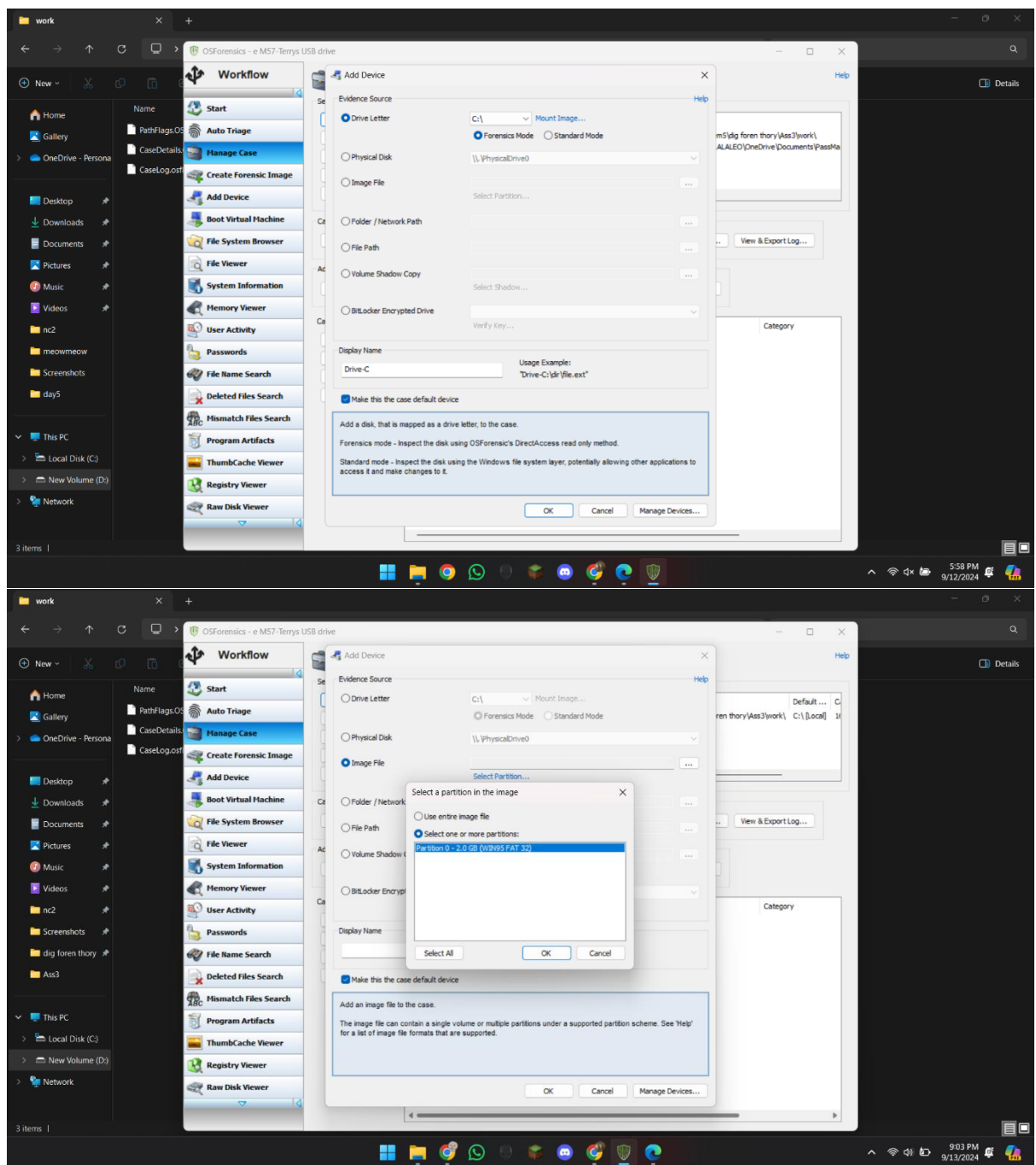
So in this Project, We had to use osforensics to tell if terry is involved with anything illicit.

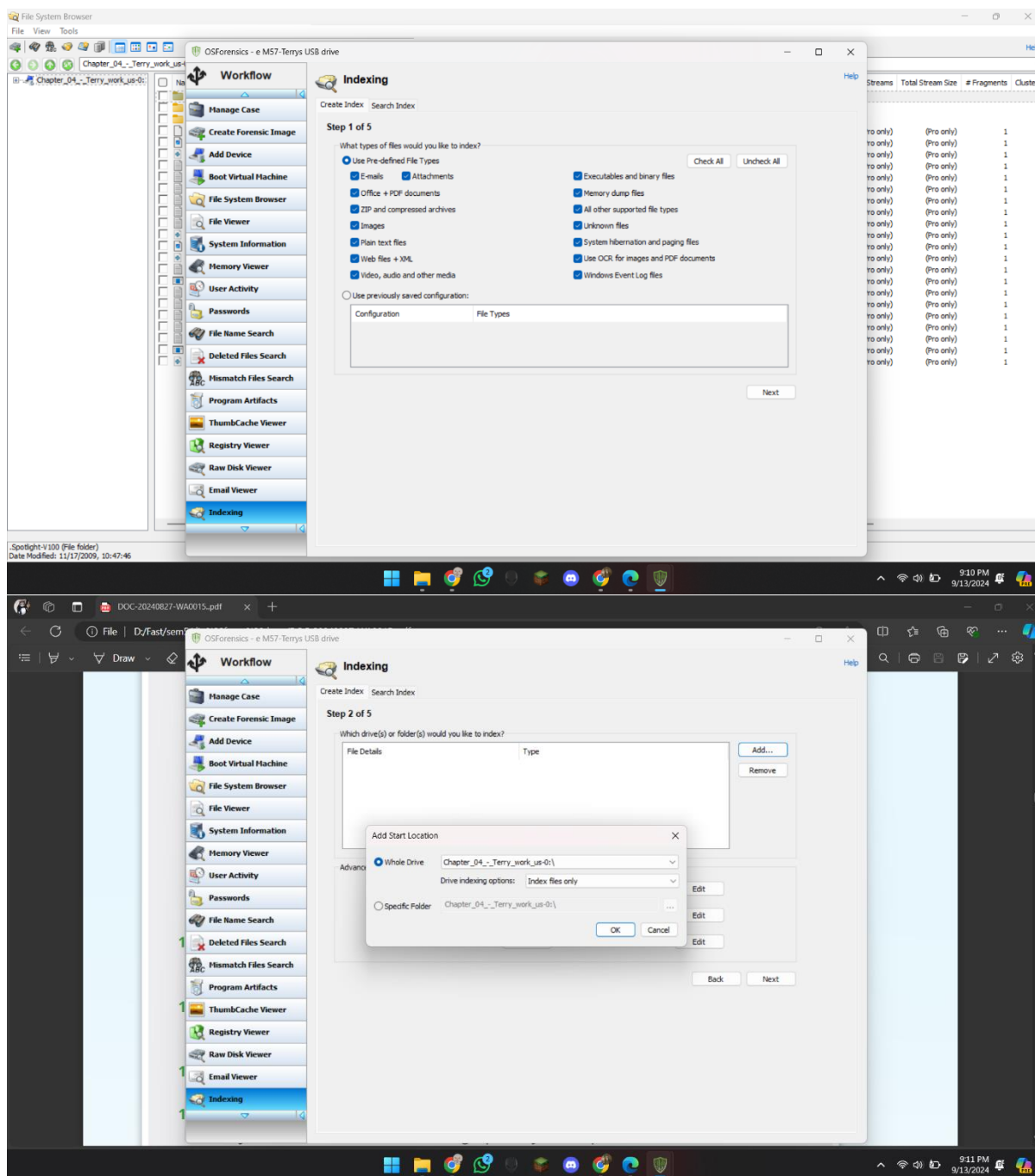
So first I opened the OSForensics software.

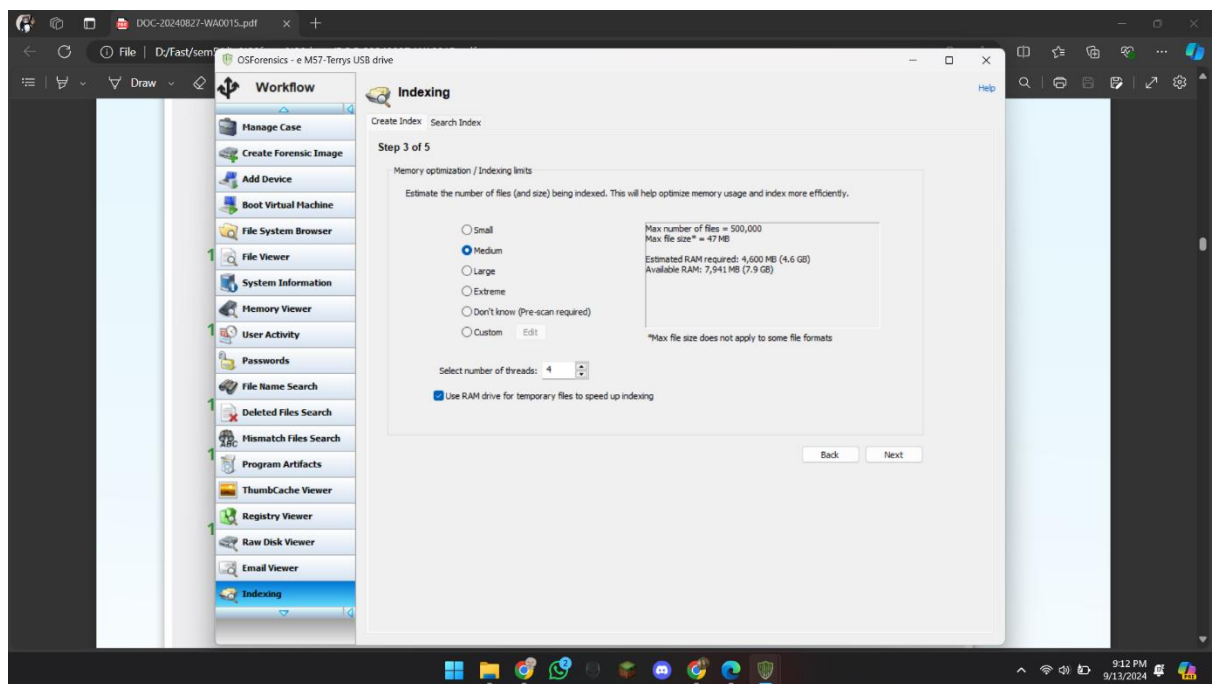
So first I opened the software, and opened a new case , and added terry's usb as an image file.



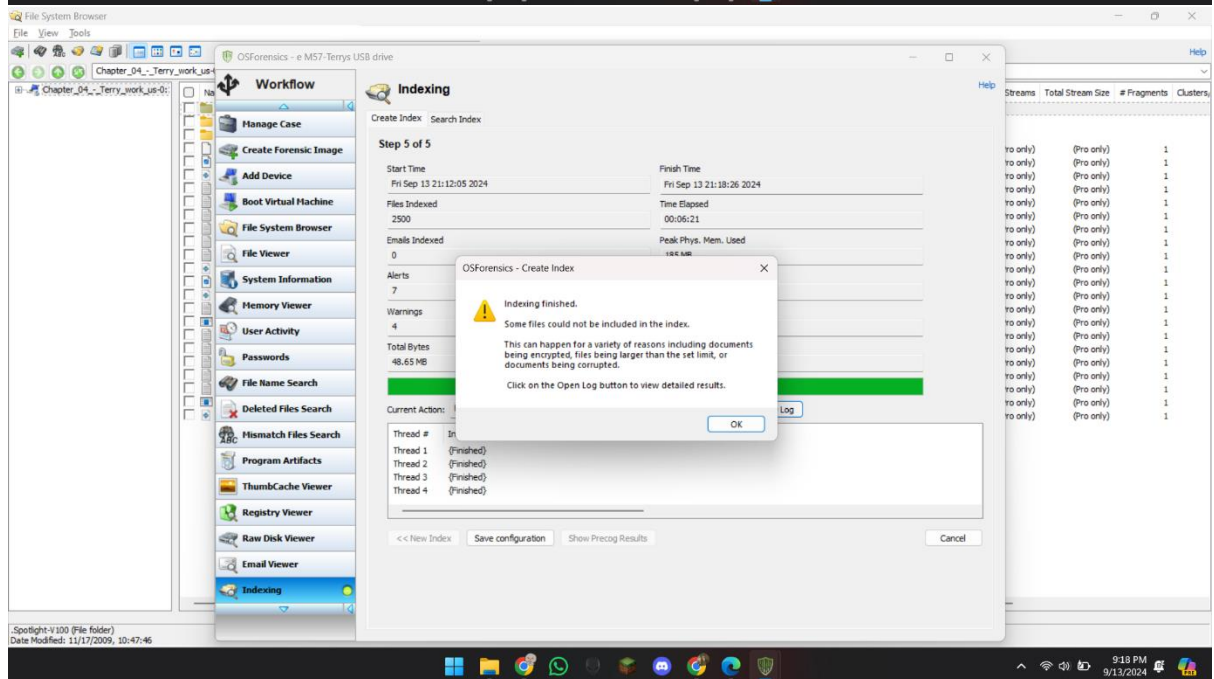
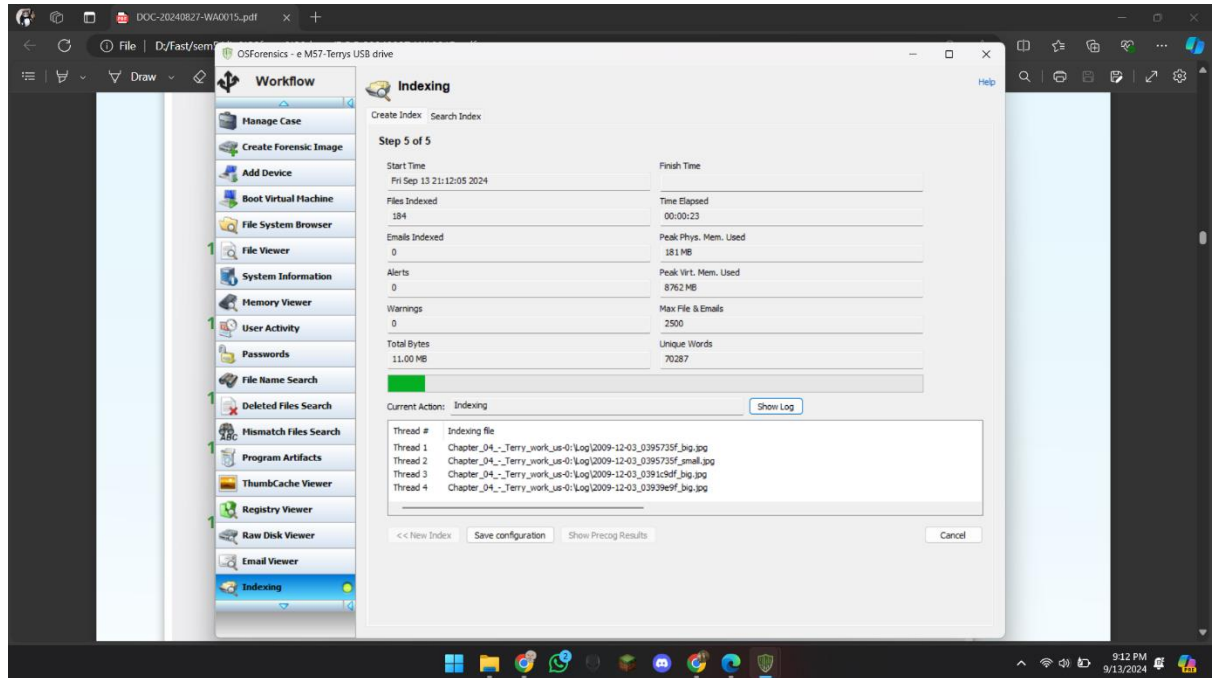




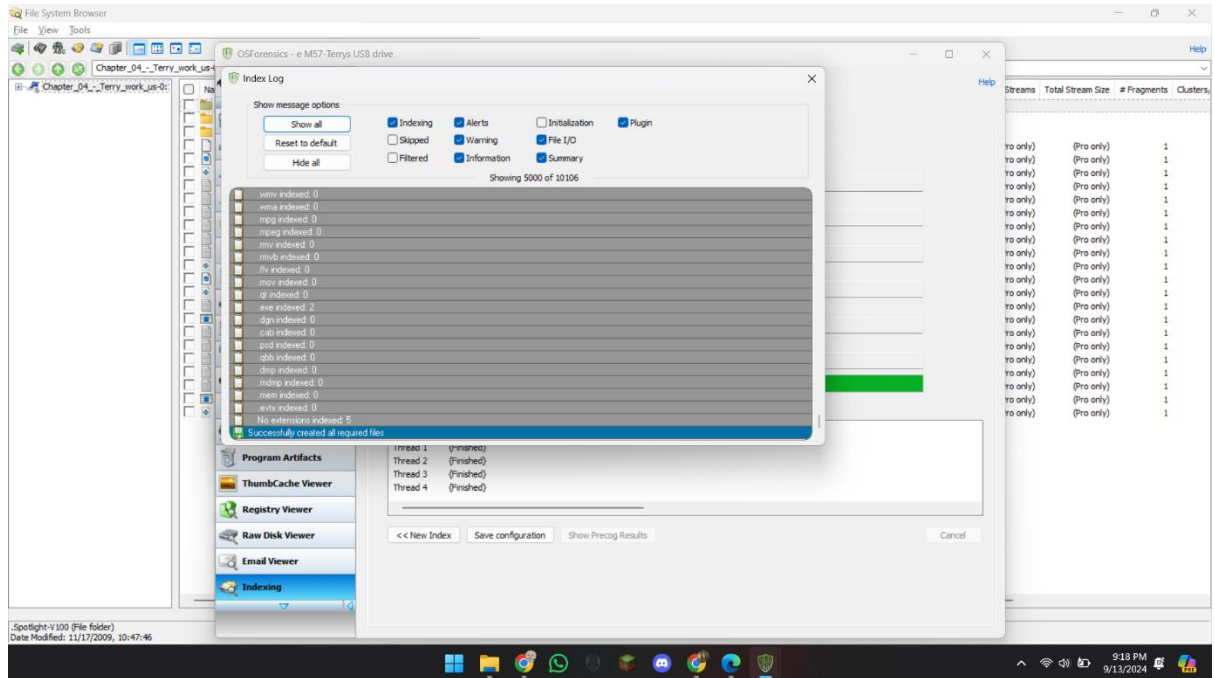




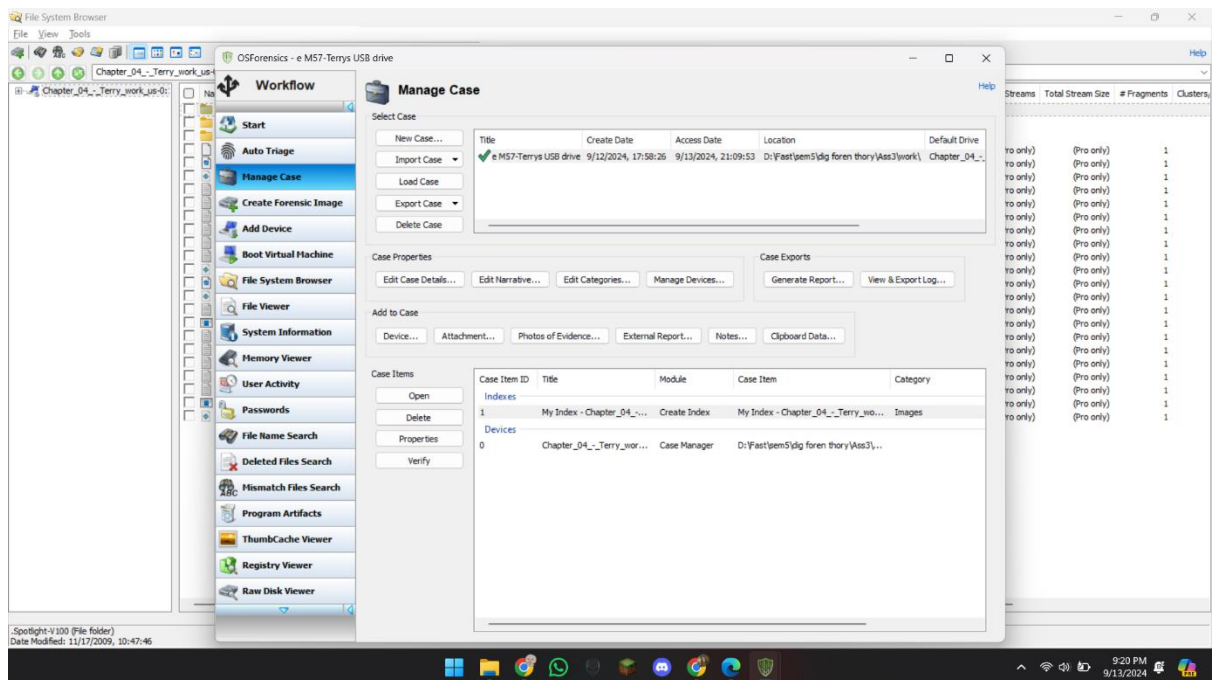
Here I waited a bit, as it was loading...

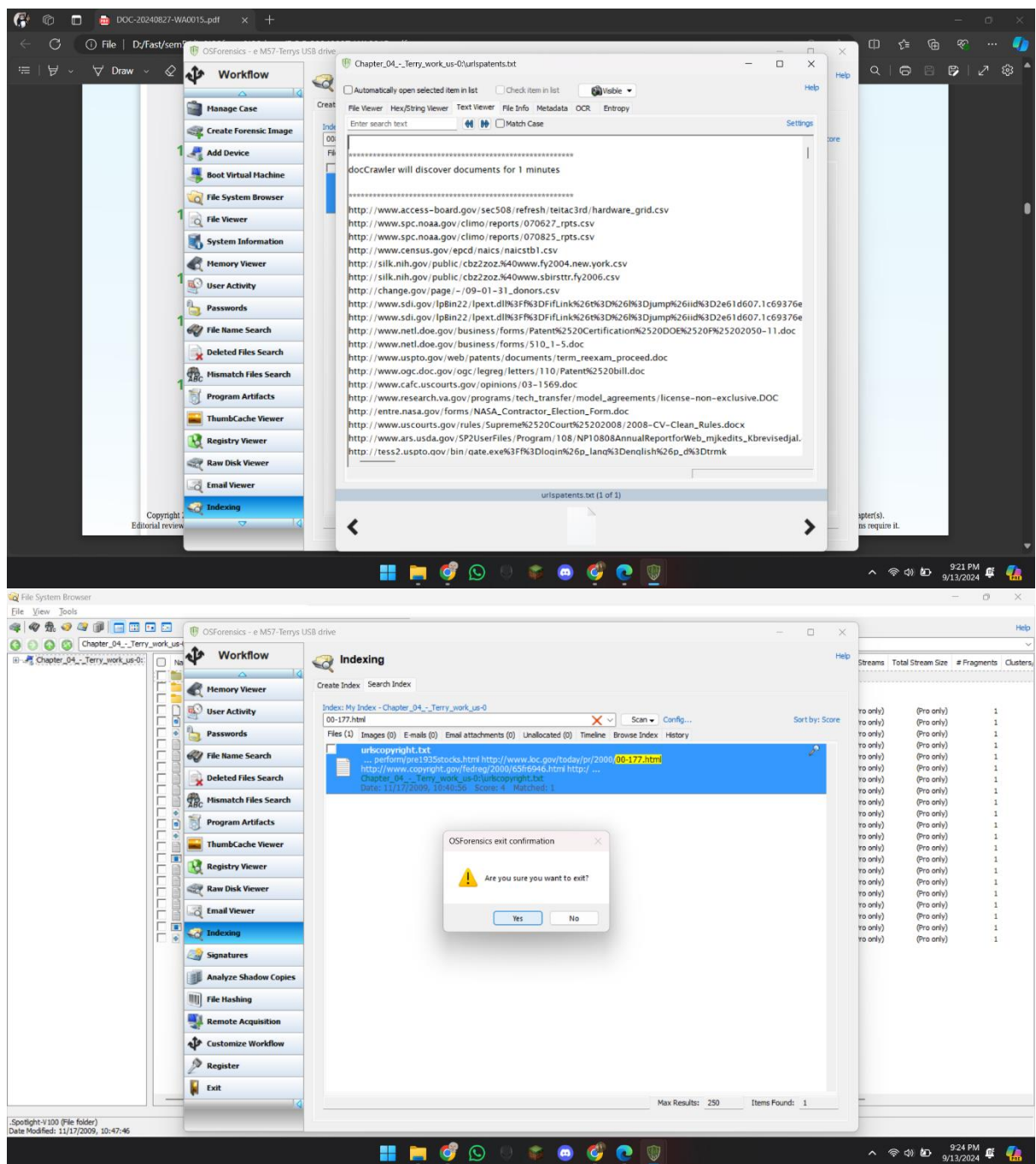


It completed and I saw the logs, and nothing went wrong.



I saw a file That contained some links, that looked somewhat illicit, so Here is the Screenshot of that.



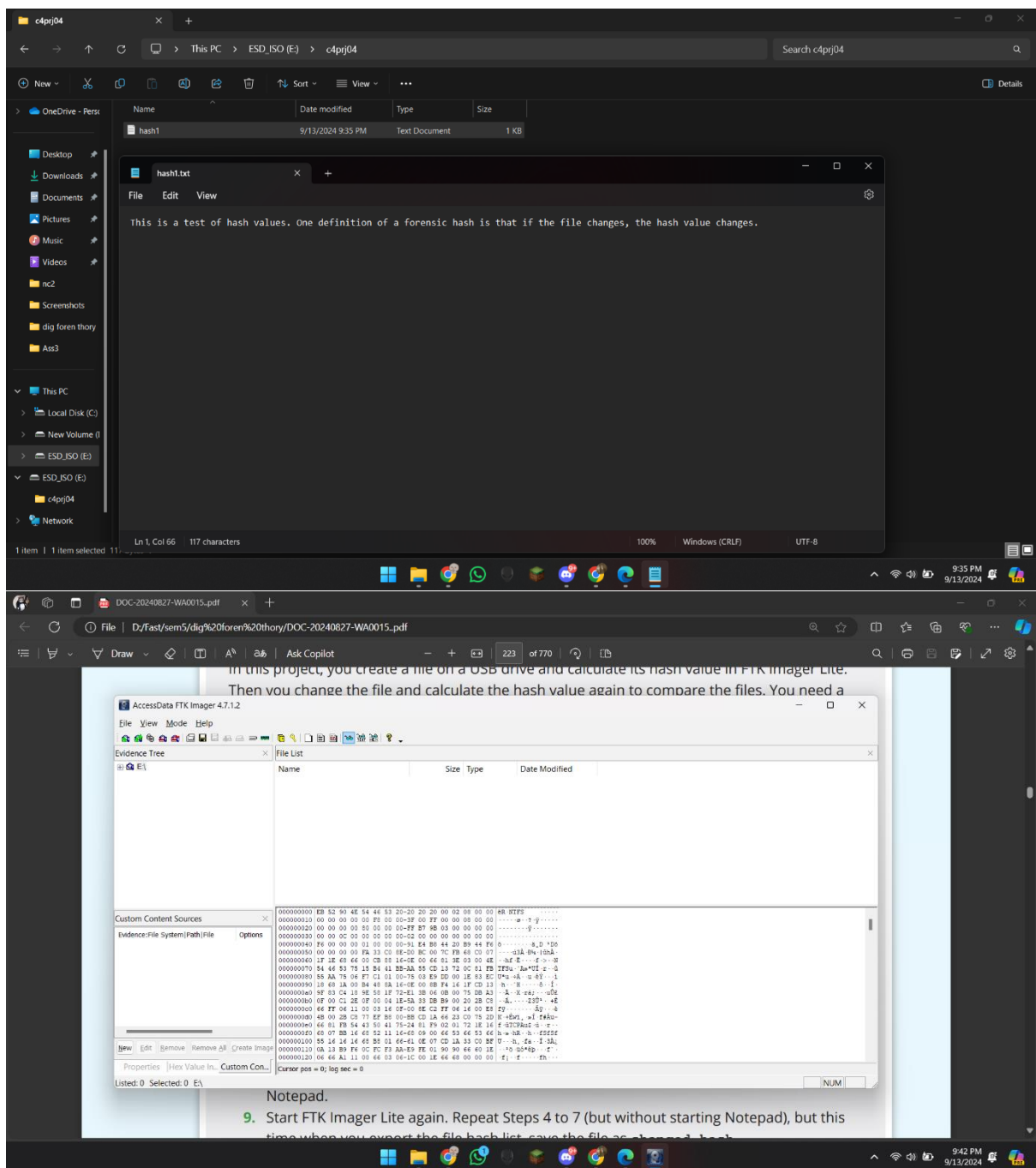


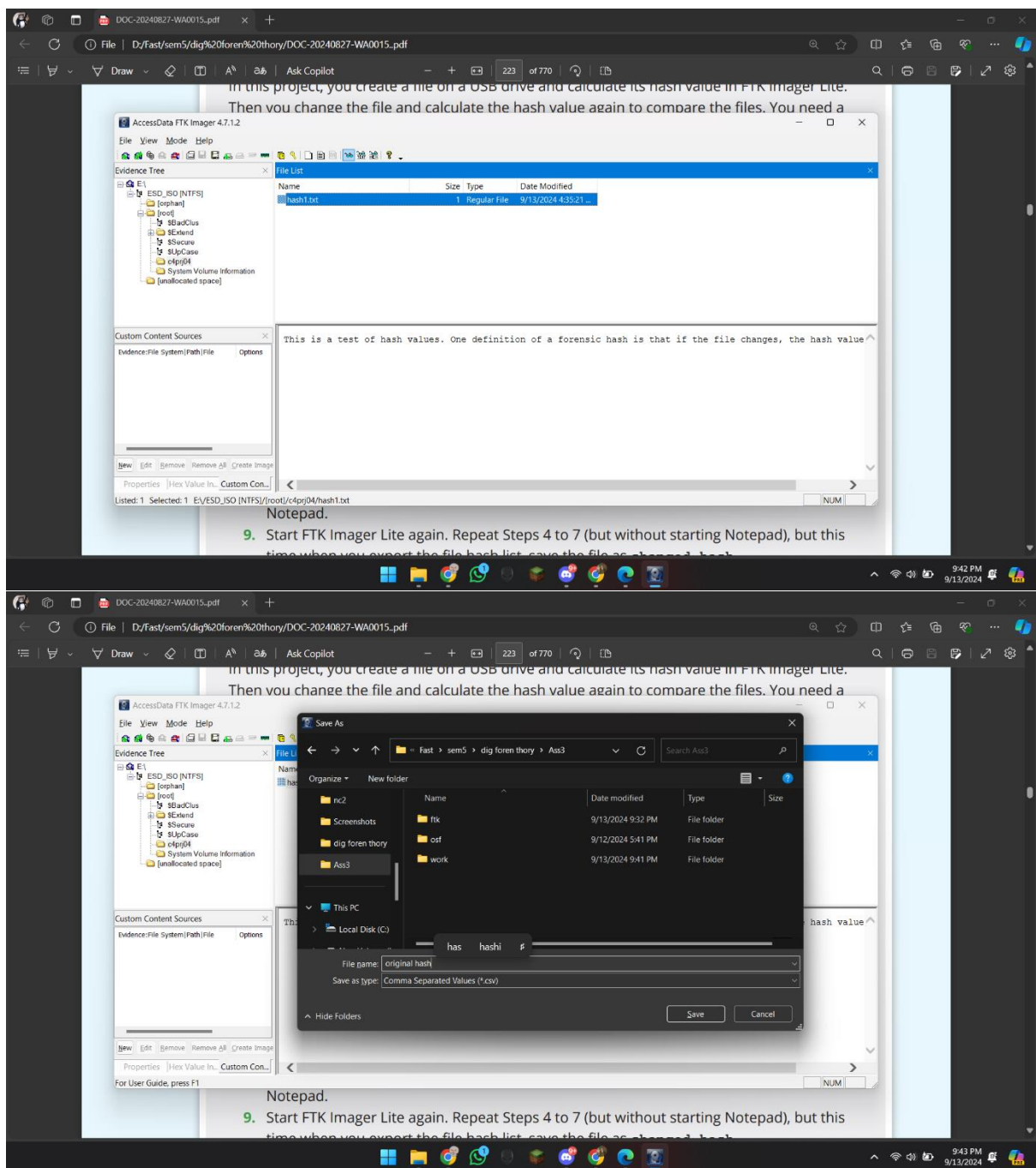
So the case was done.

- Hands-On Project 4-4

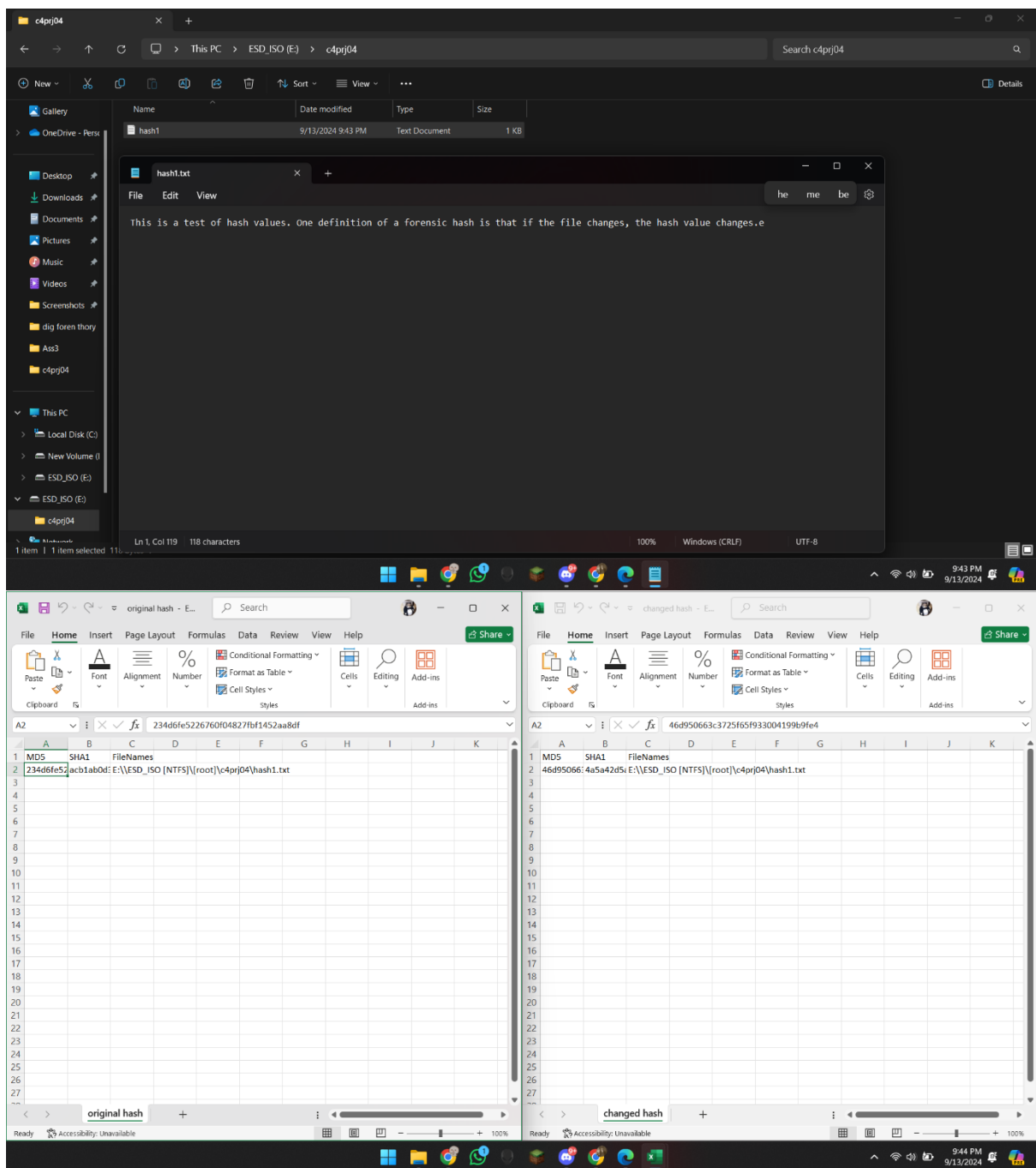
So this case was about We checked if we change something in the file , would the hash changes or not by using FTK imager.

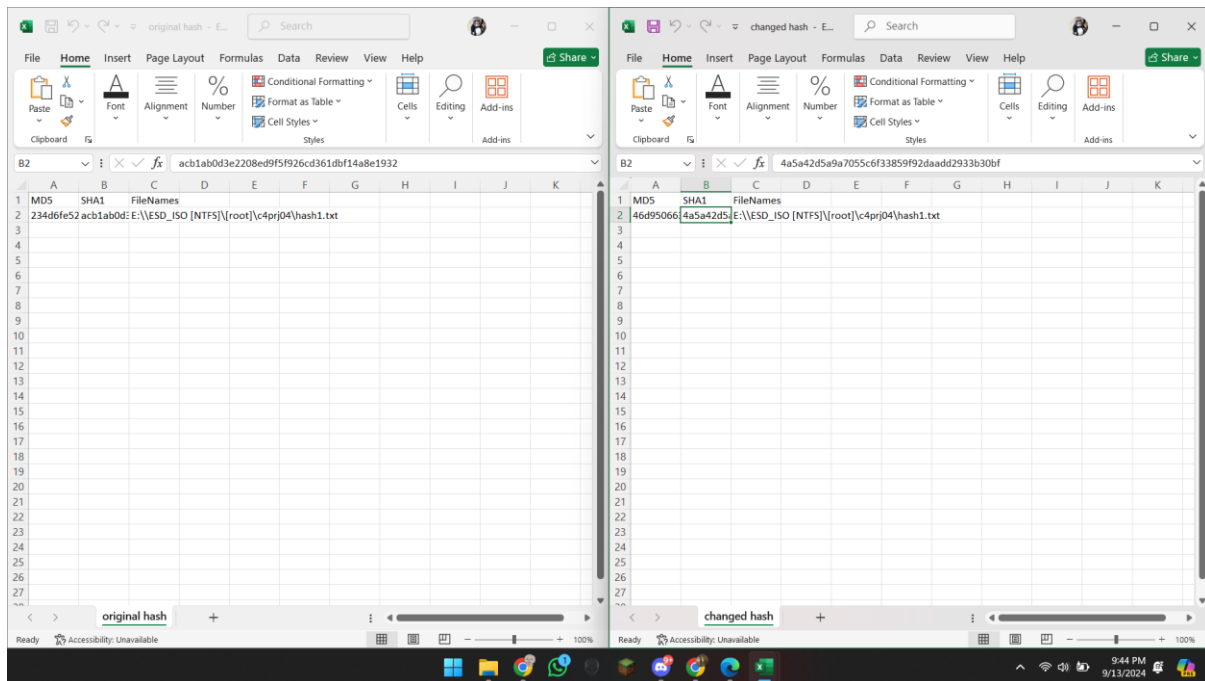
So first I made a file name hash1.txt, and wrote smth in it, and opened the file in FTK imager, and exported the hashes of it.





After exportig the csv, I added a letter in the file, and then did all the same work as above, and exported a csv file





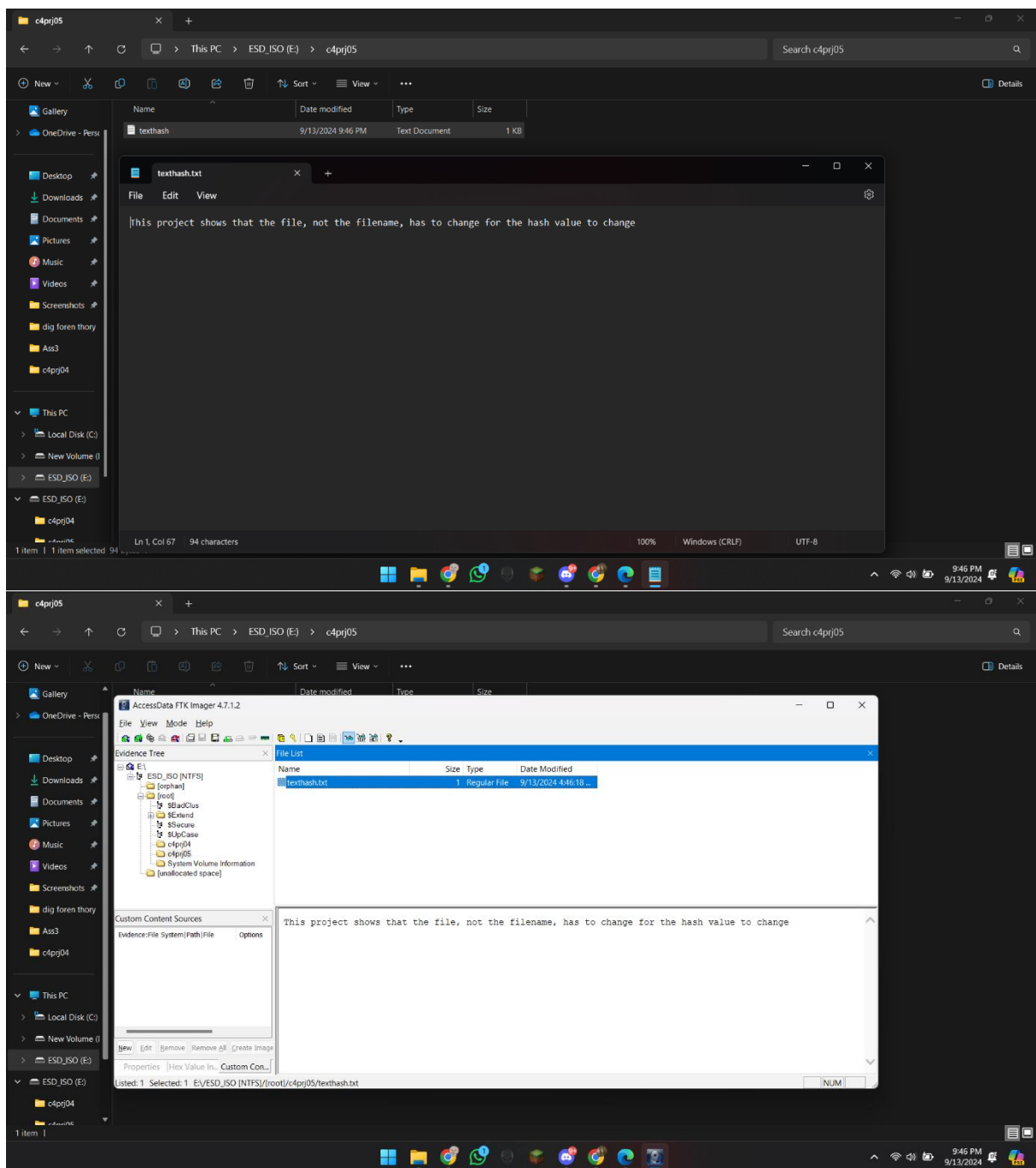
And here it was The results of Excel File showing that both the hashes have changed by adding a letter in the end.

- [Hands-On Project 4-5](#)

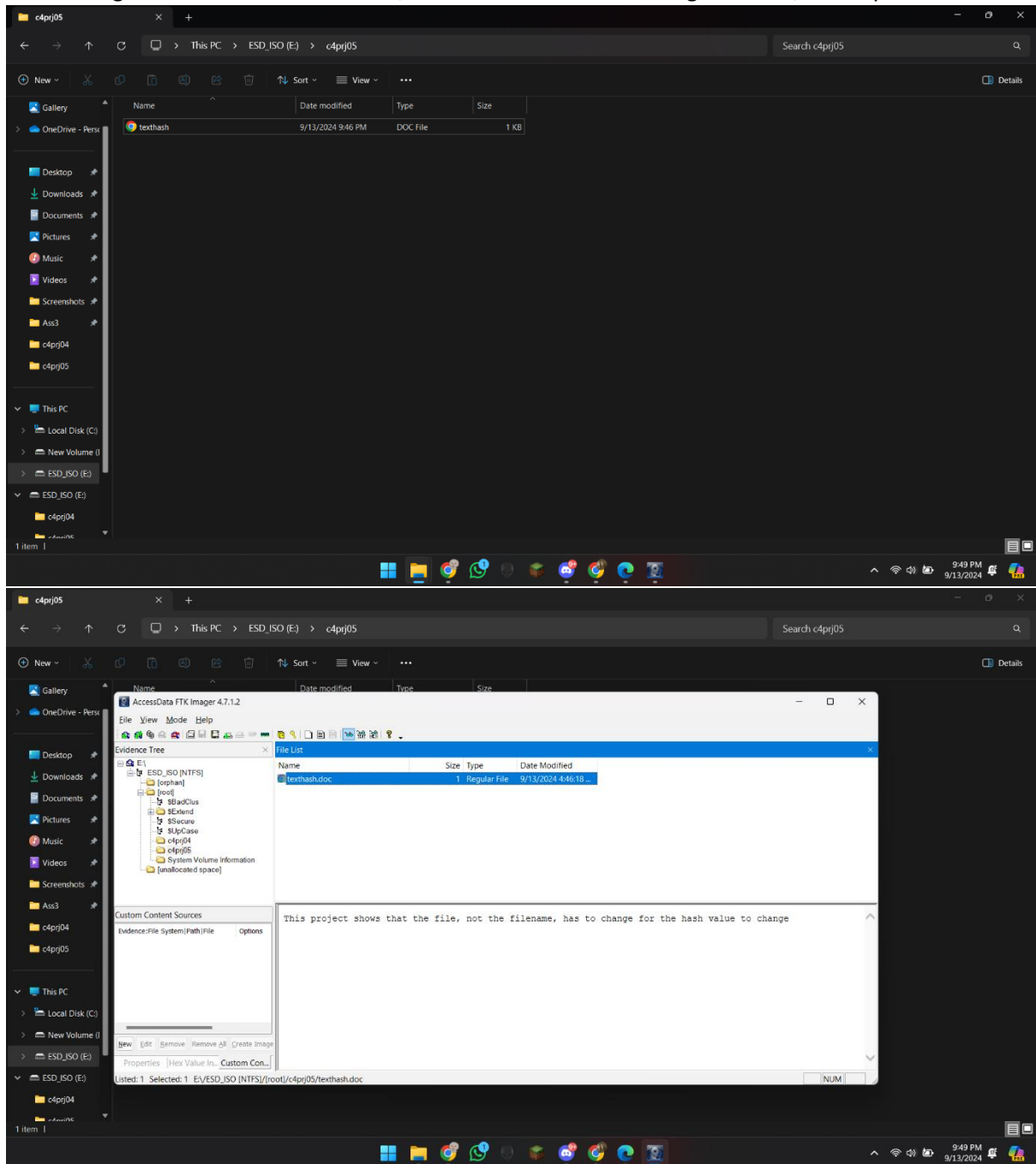
So this case was about We checked if we change name of the file , would the hash changes or not by using FTK imager.

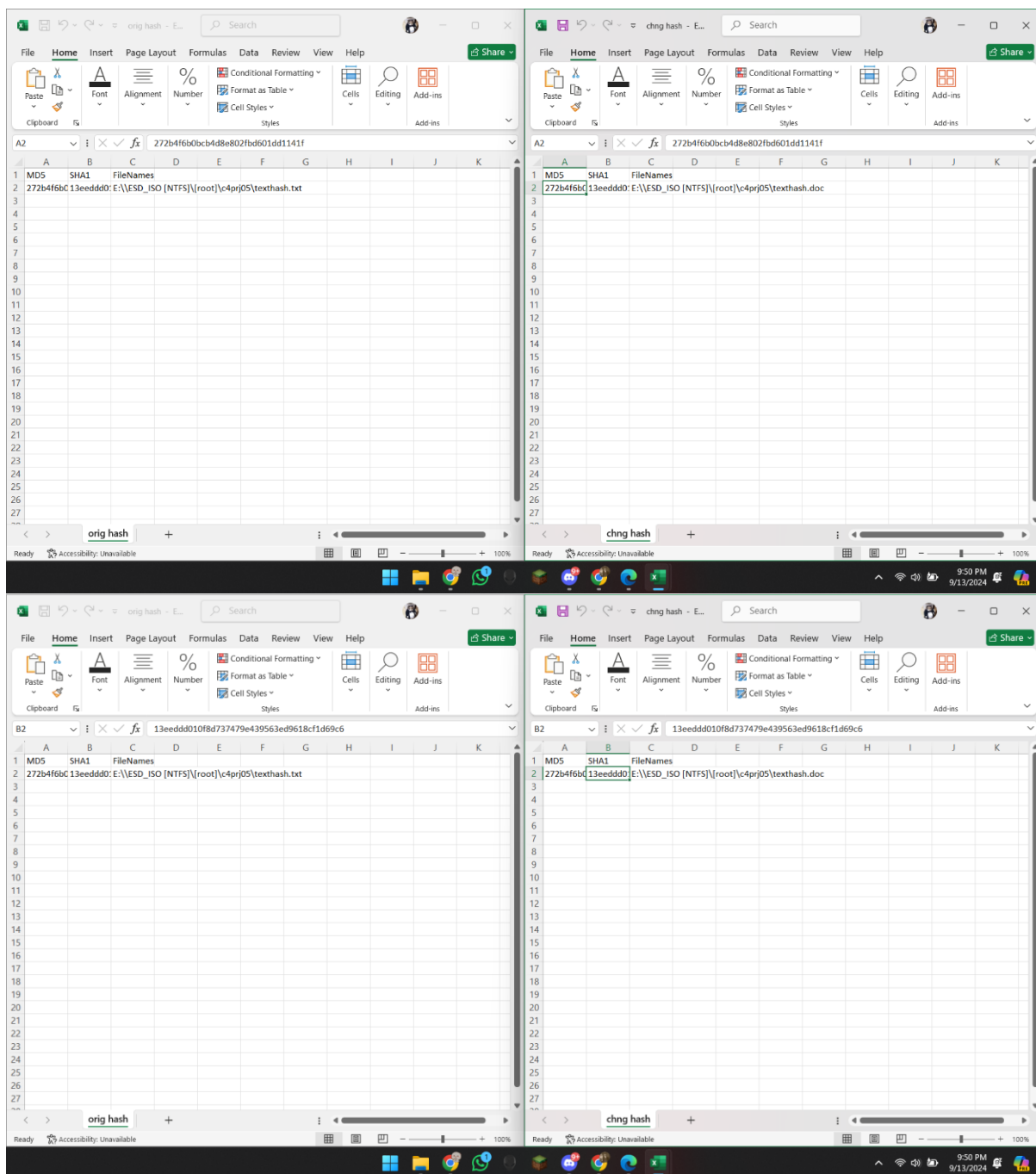
So I made a new folder in the usb and then made a file with test hash, and then did the same thing as above project.

As you can see I made a file, opened the usb in FTK imager, and exported the hash csv.



Then changed the extension of the file, and then did the same thing as above, and exported the csv.





So per the results of excel files, Both the hashes were equal, so that shows that Hashes doesn't change if we change the name of the file.

• Summary

In summary, We learned how to use OSForensics tool, and FTK imager, and also learnt that if we change something inside a file, the hash would change, but if we change the name of the file, Hashes does not change.

- **References**

- Nelson, B., Phillips, A., & Steuart, C. (2003). *Guide to Computer Forensics and Investigations*.