

Digital Forensics Lab

Cyber Security Department

CYL-2002

Fall 2024

Final Exam Report

Submitted By:

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22i-1609

Submitted To:

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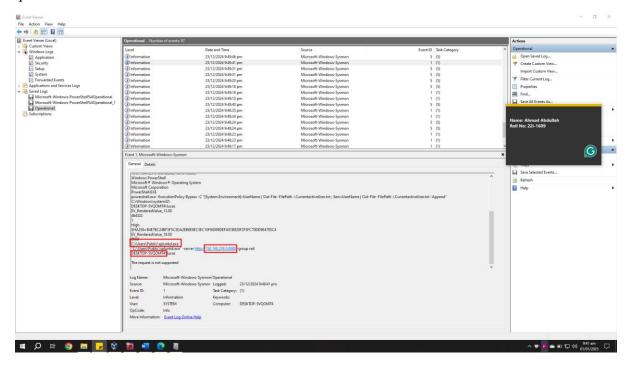
Fahad Waheed

Q1

Part1, 2 & 3

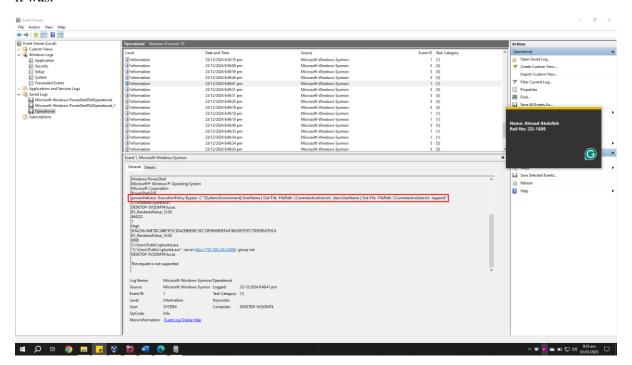
After opening the event file I started checking from the last entry because it is the first entry.

Going up bit by bit while analysing the logs I found this entry which had answer to first 3 parts of question 1.

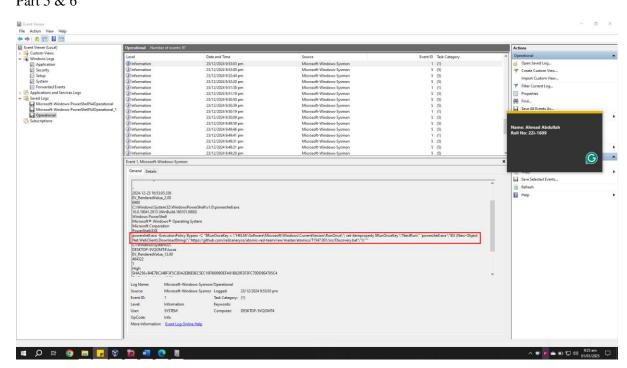


Part 4

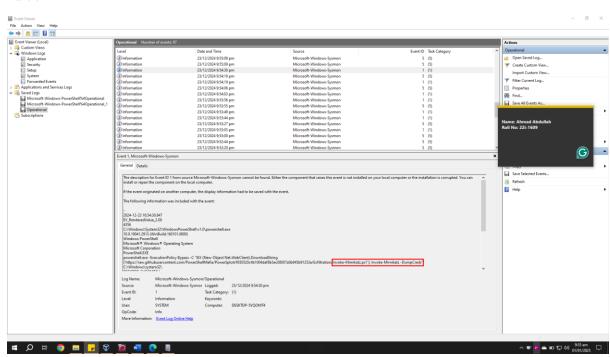
Randomly clicked on this event and saw currentActiveUser string and thought this might be it which it was.



Part 5 & 6



Part 7

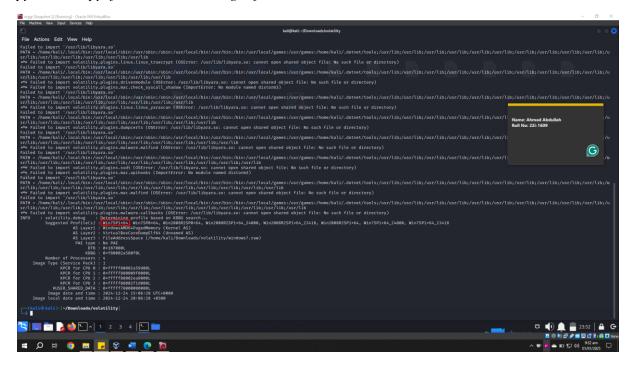


Question 2

Part 1

I used the below command to see the profile which gave Windows 7 profile.

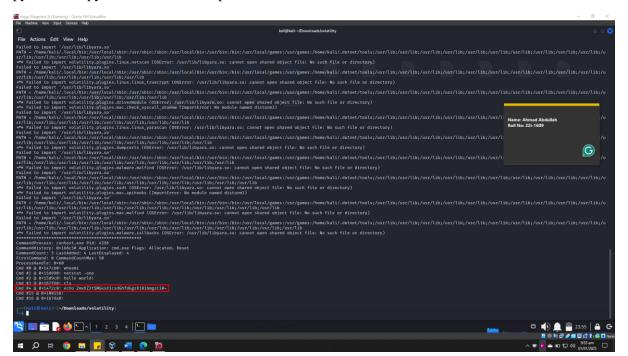
python2 vol.py -f windows7.raw imageinfo



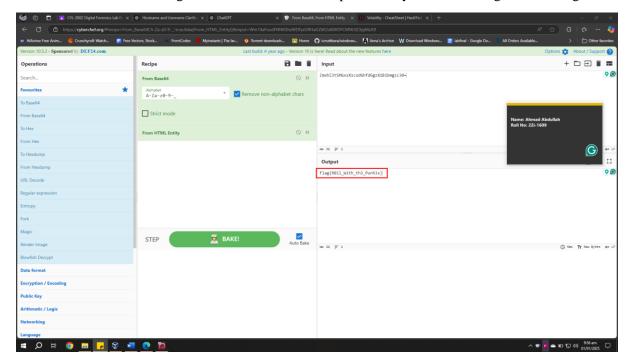
Part 2

Using the plugin cmdscan i got the commands entered by the user in terminal.

python2 vol.py -f windows7.raw --profile Win7SP1x64 cmdscan



There was an encoded string in the commands which I pasted in cyberchef and it gave me a flag



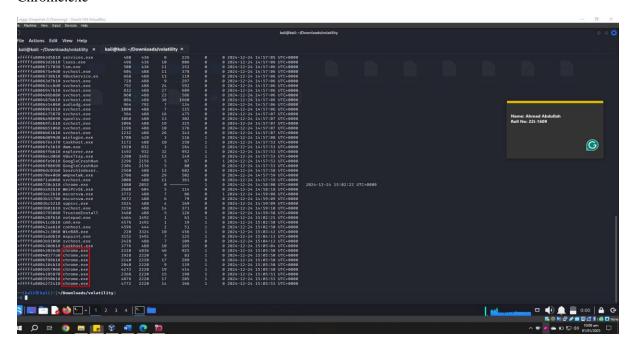
 $flag\{R0ll_W1th_th3_Punh3s\}$

Part 3

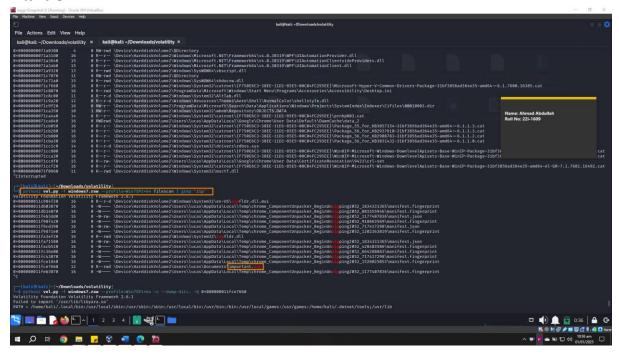
Using the below command 'pslist' i got the processes running at the time of dump and the borwser process was at the end

python2 vol.py -f windows7.raw --profile Win7SP1x64 pslist

Chrome.exe

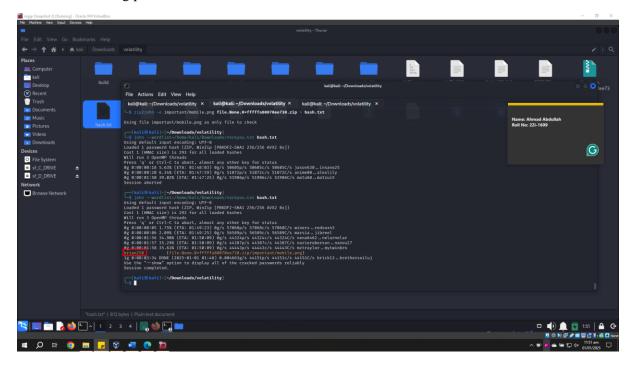


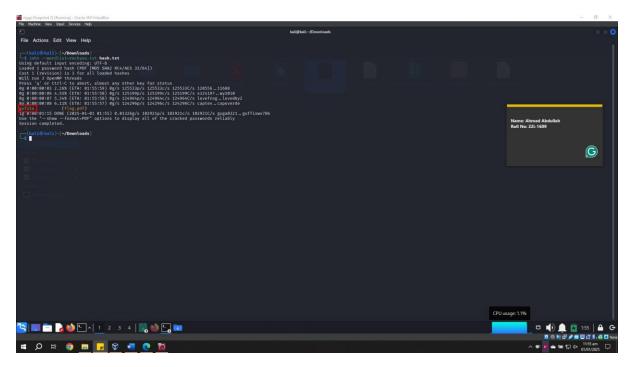
Part 5



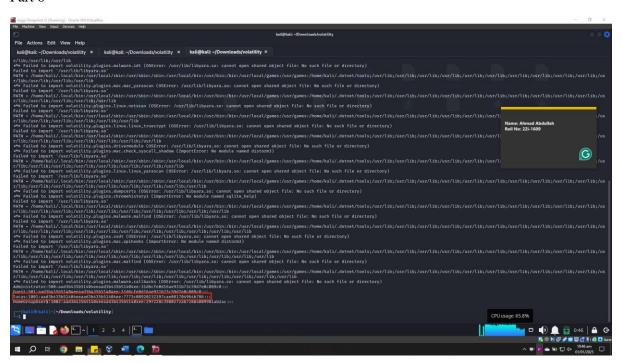
brian250 was the password of the archive that was protected by password.

I Extracted the flag.pdf file from the archive.

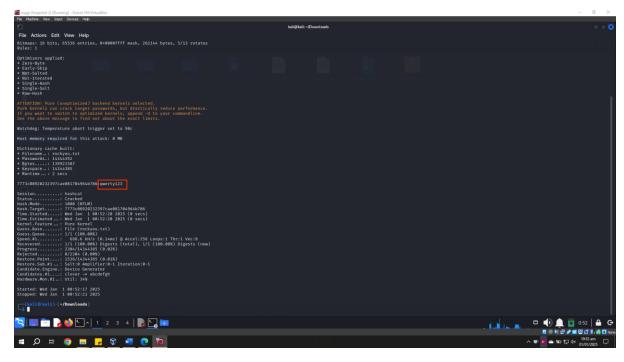




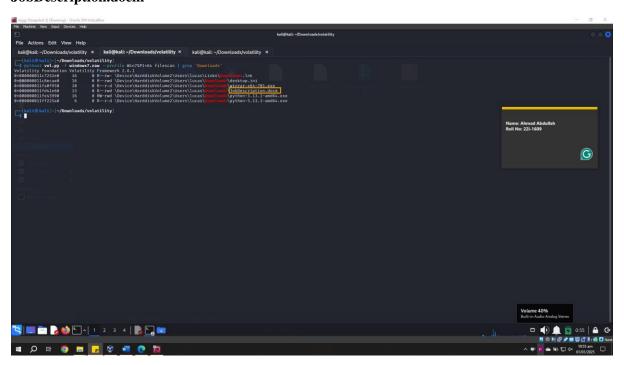
Part 6



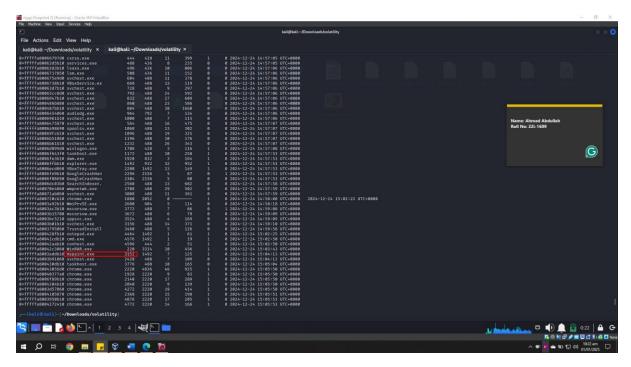
hashcat -m 1000 -a 0 hash.txt rockyou.txt



Part 7



Part 9



python2 vol.py -f windows7.raw --profile=Win7SP1x64 memdump -p 3152 -D.