

Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

Student:

Karan Atul Vora

Email:

kxv230021@utdallas.edu

Time on Task:

3 hours, 15 minutes

Progress:

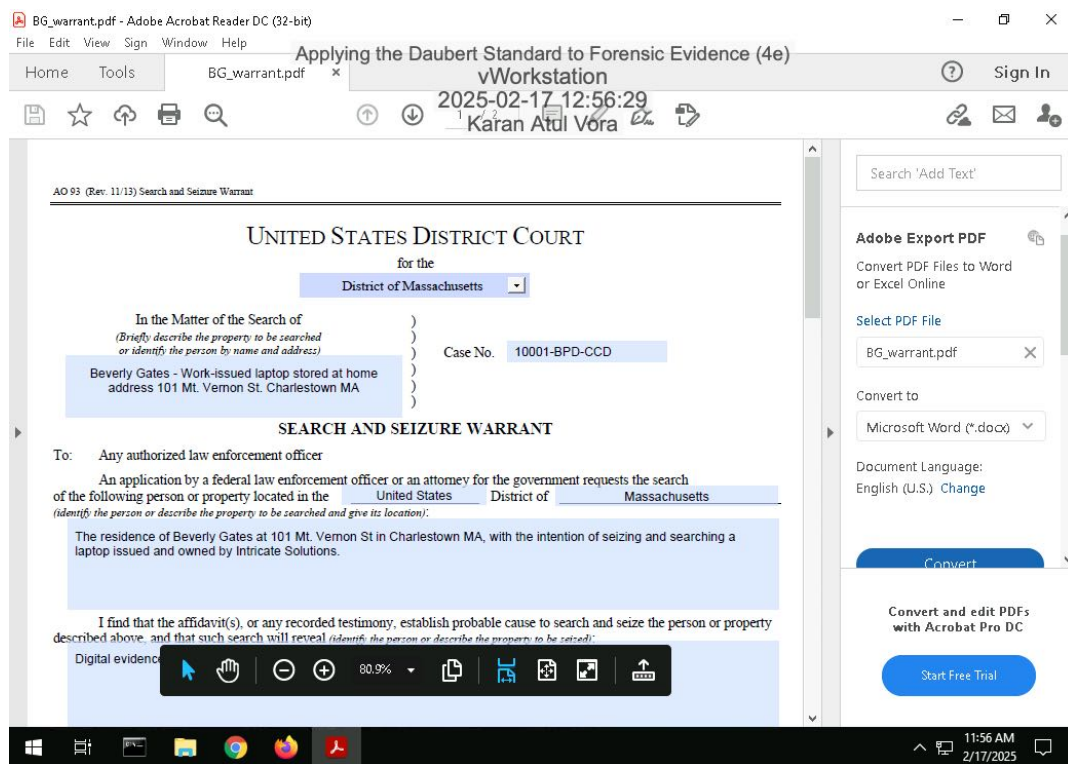
100%

Report Generated: Monday, February 24, 2025 at 4:32 PM

Section 1: Hands-On Demonstration

Part 1: Complete Chain of Custody Procedures

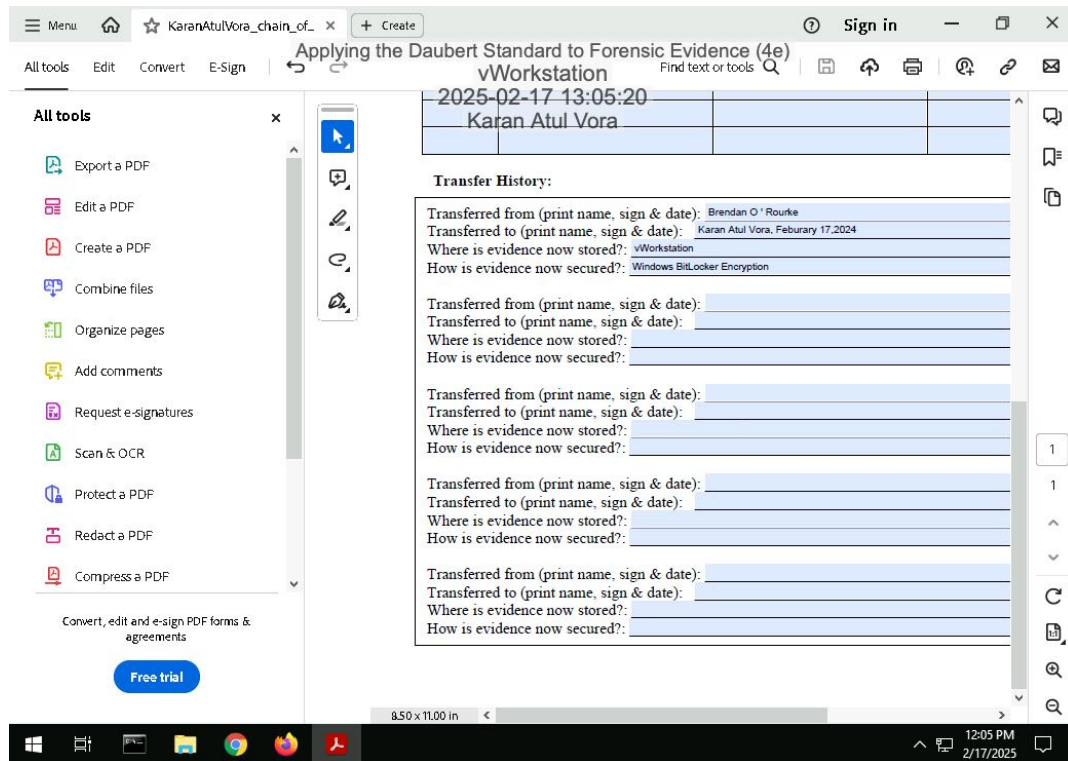
7. Make a screen capture showing the contents of the search warrant in Adobe Reader.



Applying the Daubert Standard to Forensic Evidence (4e)

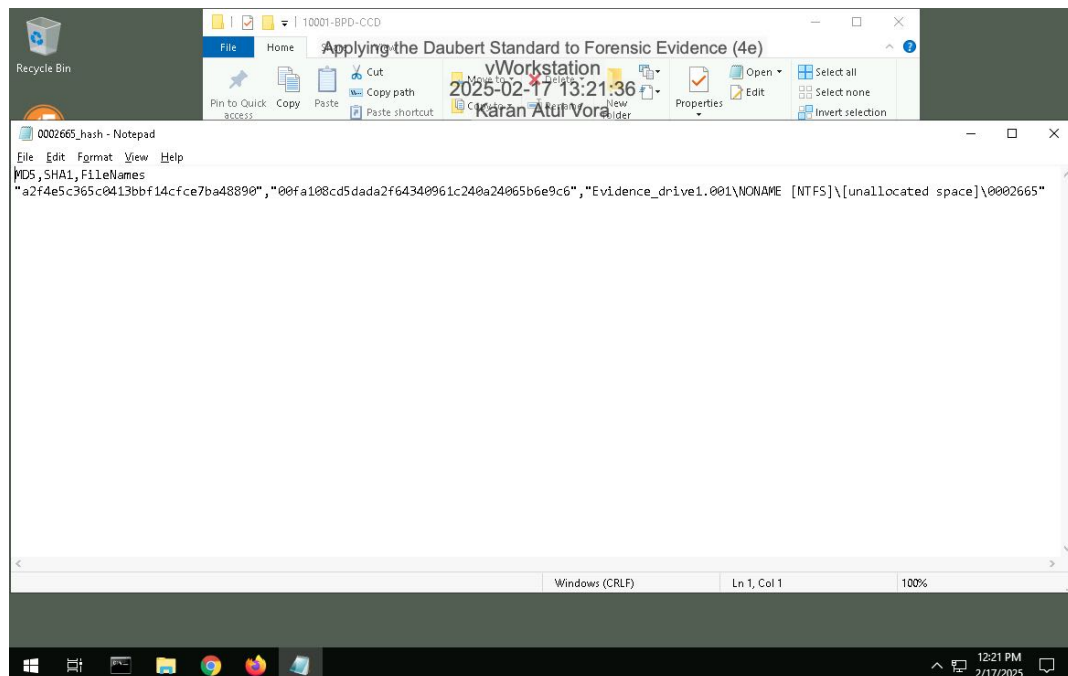
Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

14. Make a screen capture showing the completed Chain of Custody form in Adobe Reader.



Part 2: Extract Evidence Files and Create Hash Codes with FTK Imager

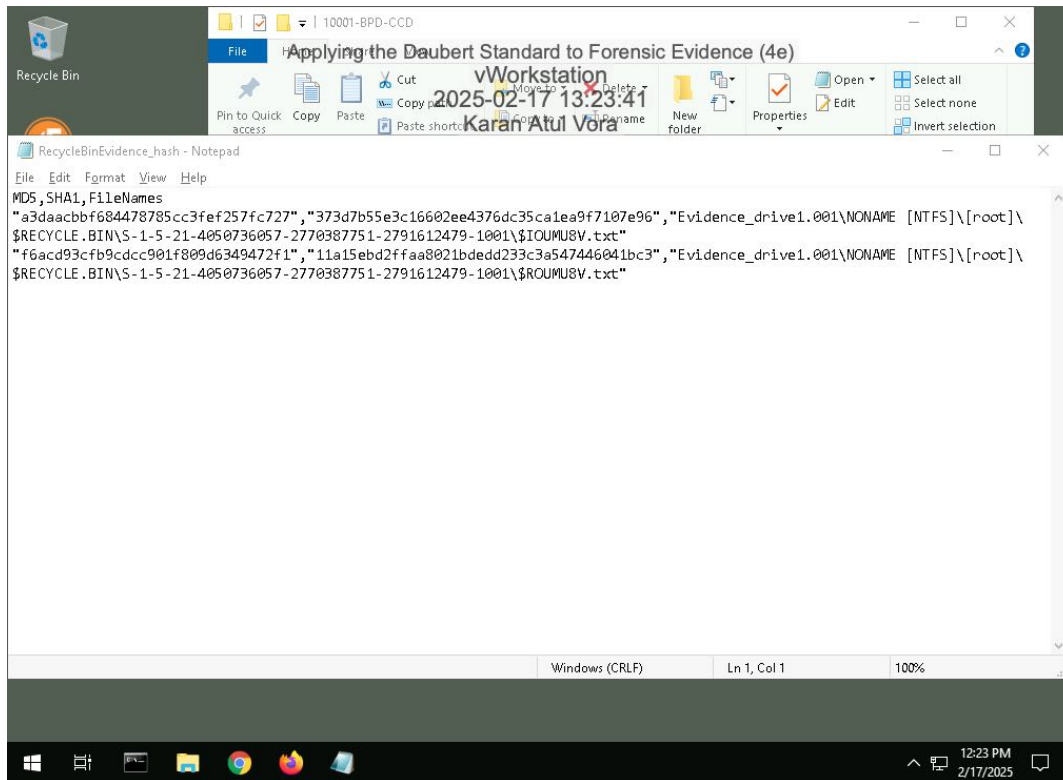
34. Make a screen capture showing the contents of the 0002665_hash.csv file.



Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

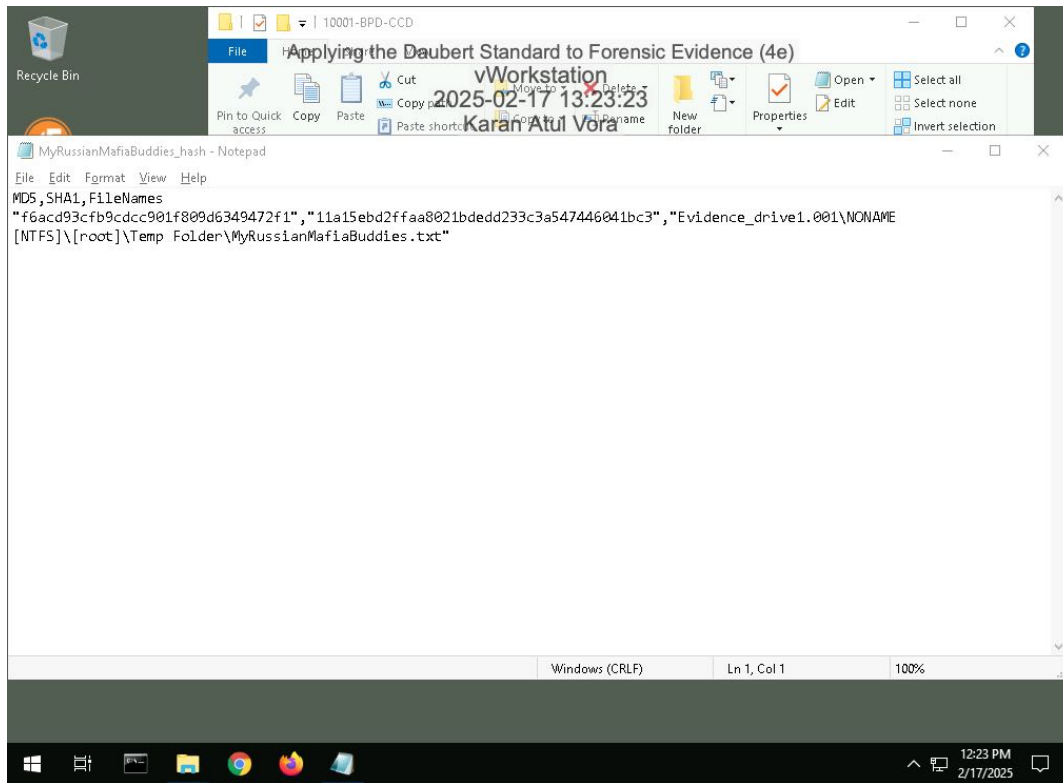
37. Make a screen capture showing the contents of the RecycleBinEvidence_hash.csv file.



Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

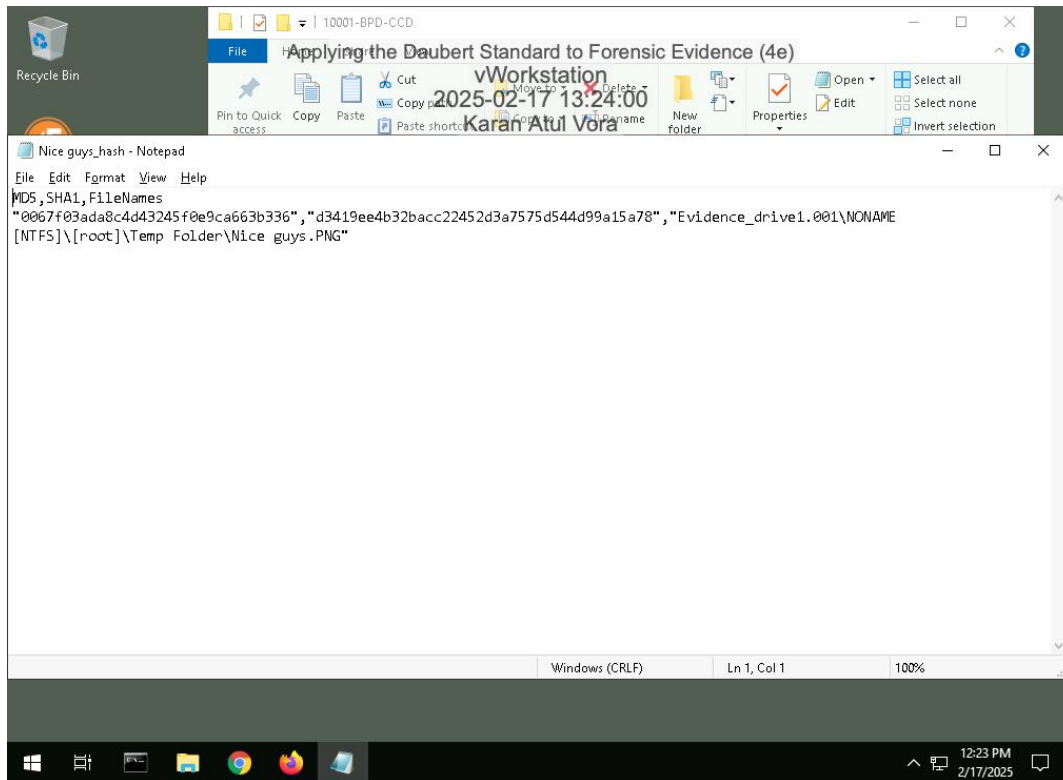
38. **Make a screen capture** showing the **contents of the MyRussianMafiaBuddies_hash.csv** file.



Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

39. Make a screen capture showing the contents of the Nice guys_hash.csv file.

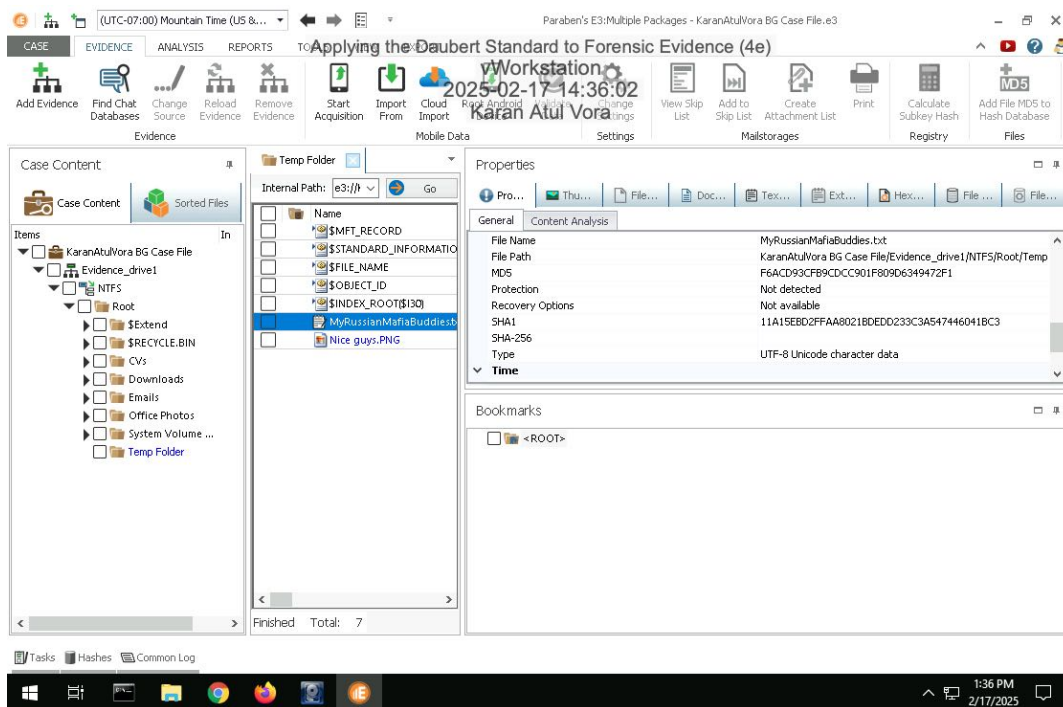


Part 3: Verify Hash Codes with E3

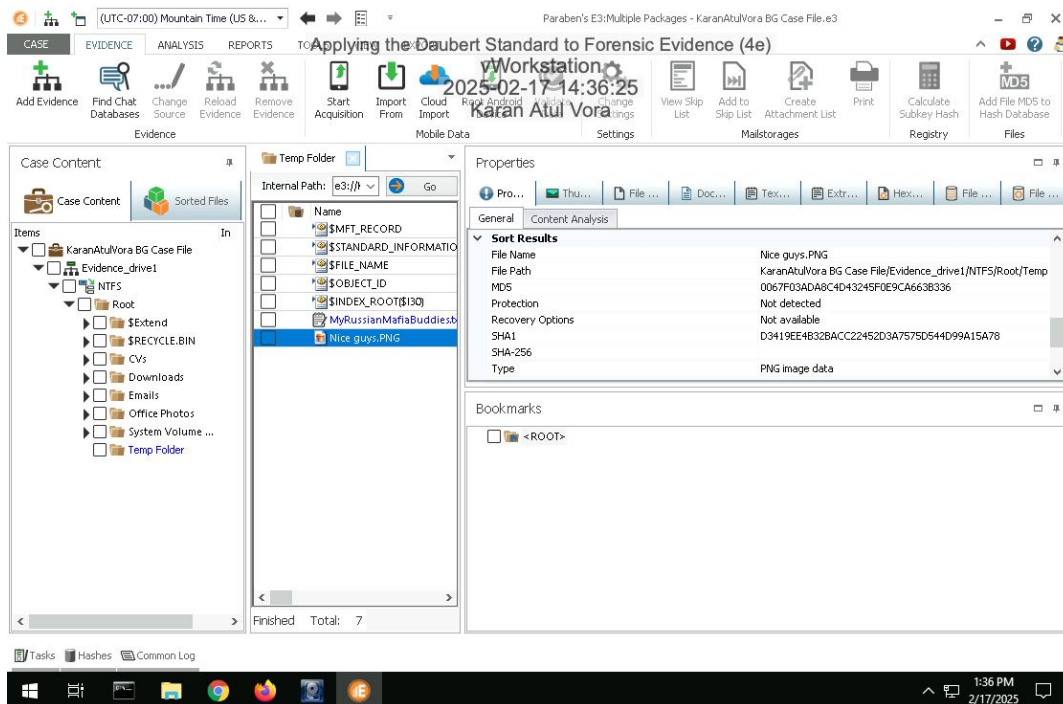
Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

14. Make a screen capture showing the MD5 and SHA1 values for the MyRussianMafiaBuddies.txt file.



16. Make a screen capture showing the MD5 and SHA1 values for the Nice Guys.png file.



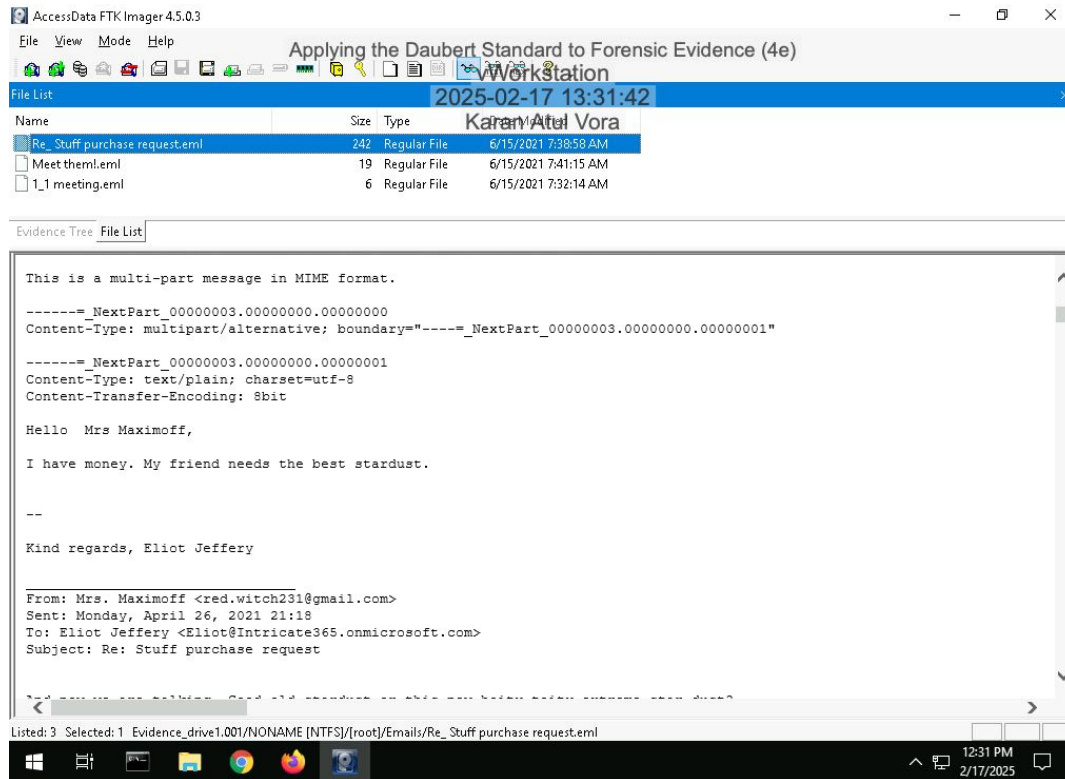
17. **Describe** how the hash values produced by E3 for the incriminating files compare to those produced by FTK. Do they match?

Both E3 and FTK use the cryptographic hash algorithm to produce hash. If the algorithm is same then the hash do match. i.e. MD5 from E3 matches with MD5 from FTK

Section 2: Applied Learning

Part 1: Extract Evidence Files and Create Hash Codes with FTK Imager

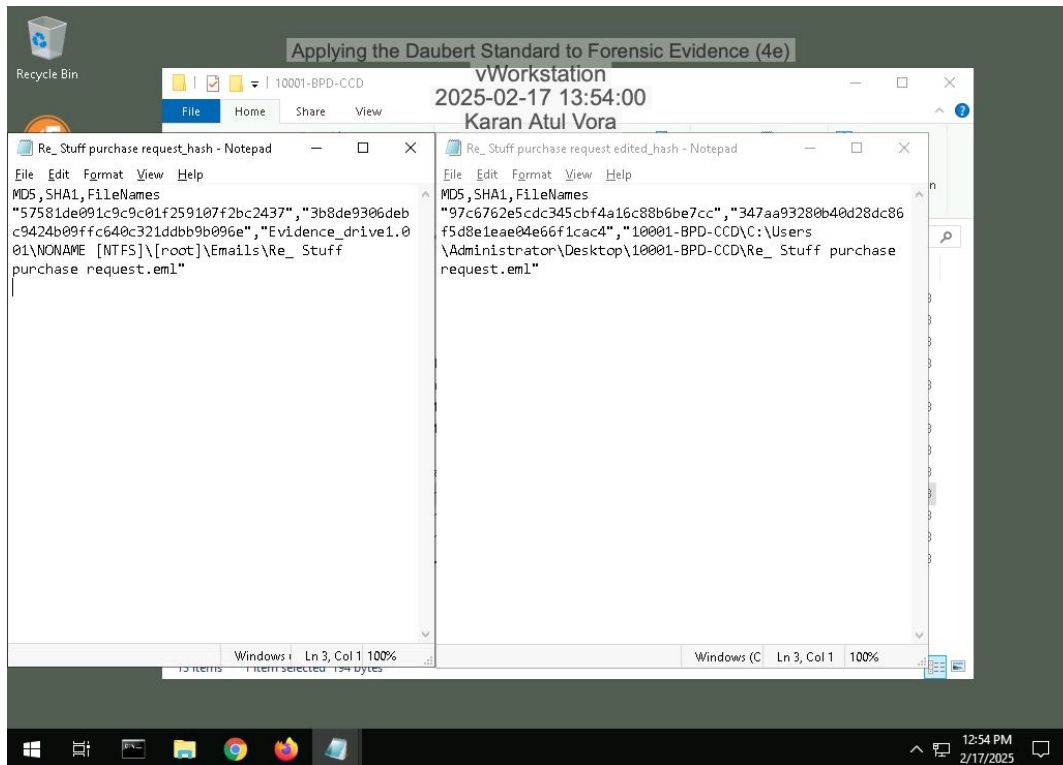
5. Make a screen capture showing the contents of the suspicious email file in the Display pane.



Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

16. Make a screen capture showing the **two hash values** for the suspicious email file.

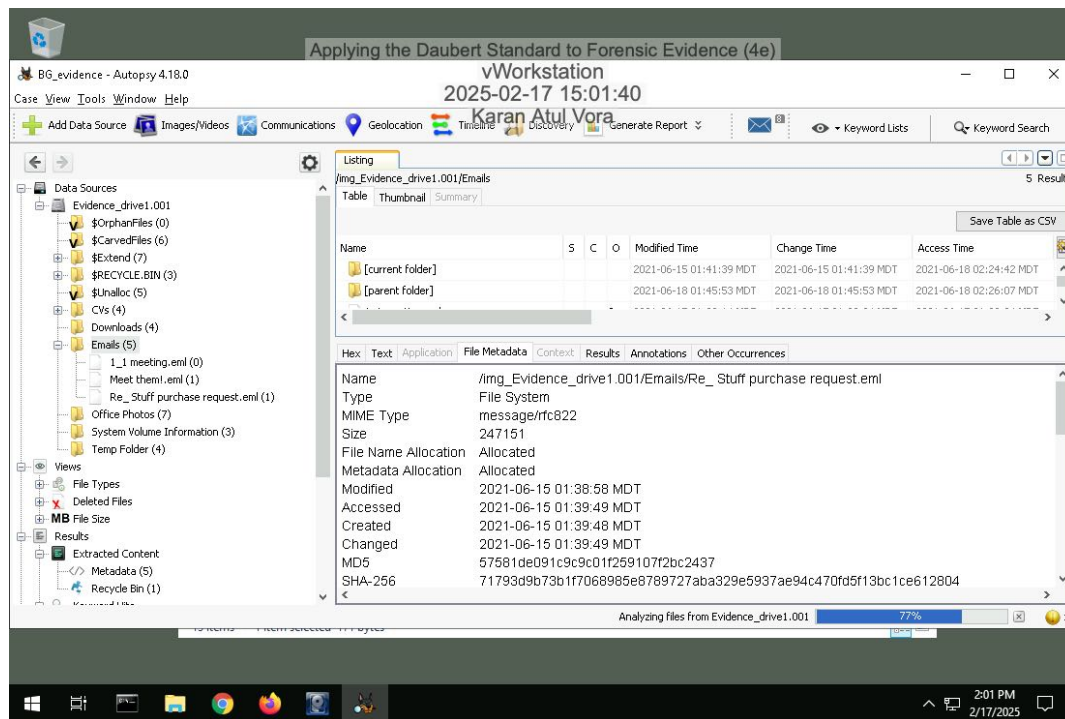


Part 2: Verify Hash Codes with Autopsy

Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

11. Make a screen capture showing the MD5 field in the Result Viewer.



12. Describe how the hash value produced by Autopsy compares to the values produced by FTK Imager for the two .eml files.

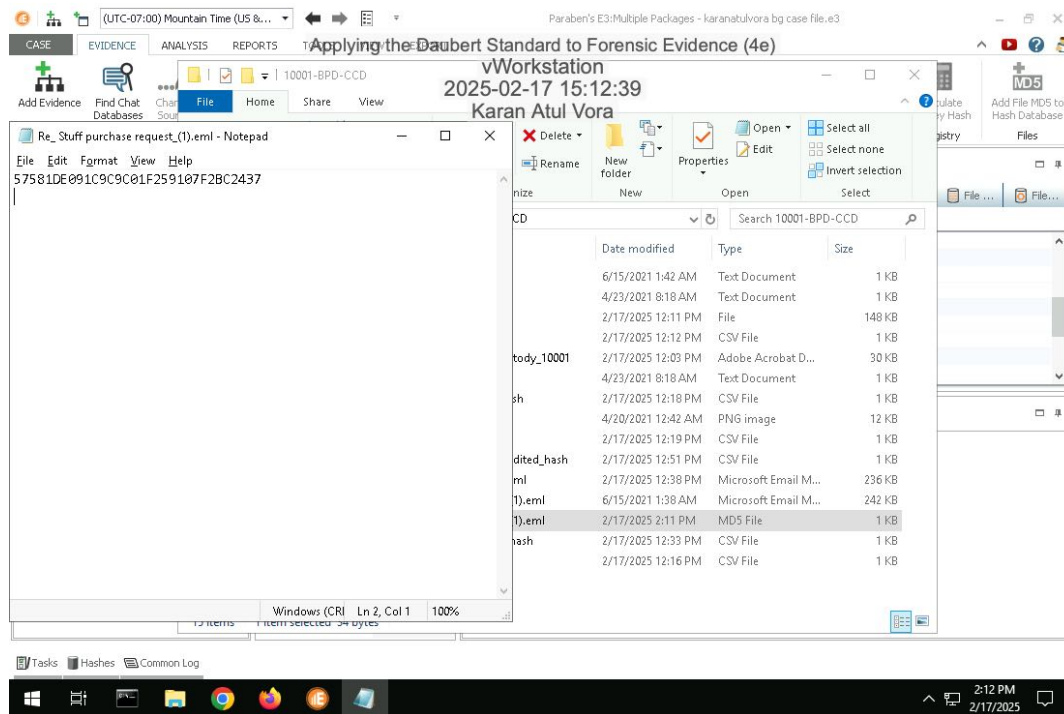
the hash values produced in Autopsy do match with the hash produced by FTK

Part 3: Verify Hash Codes with E3

Applying the Daubert Standard to Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 01

7. Make a screen capture showing the MD5 value produced by E3.



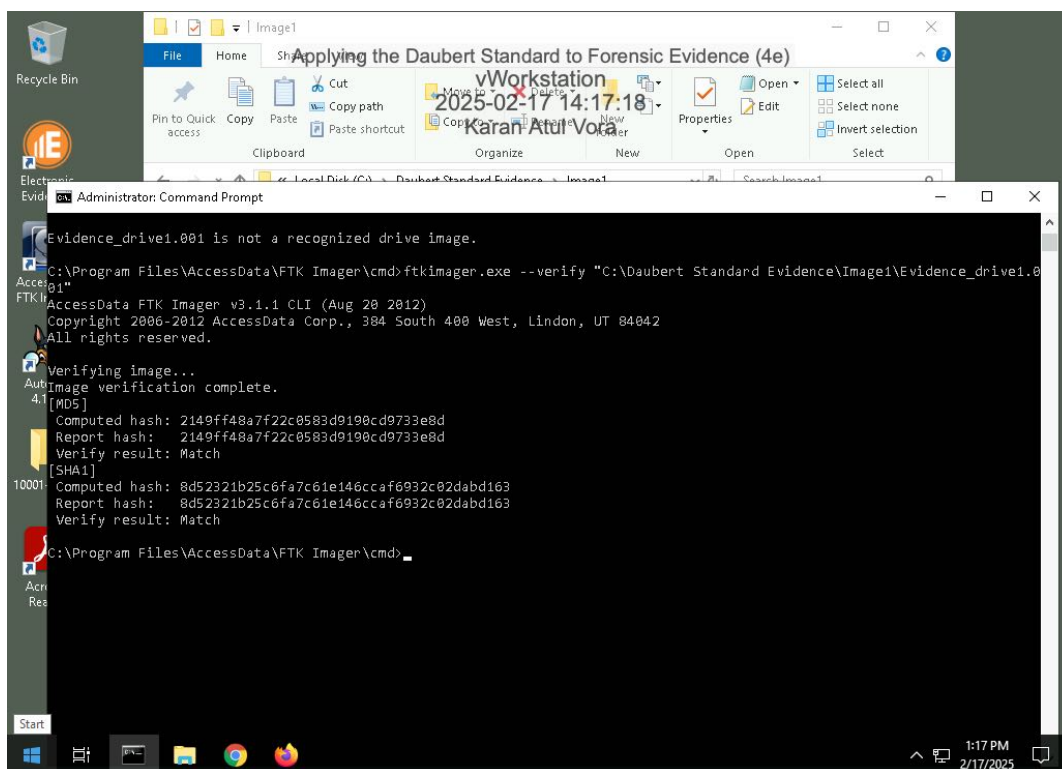
8. Describe how the hash value produced by E3 compares to the values produced by FTK Imager for the two .eml files and the value produced by Autopsy.

the hash generated by E3, FTK Imager and Autopsy are same. i.e. they do match

Section 3: Challenge and Analysis

Part 1: Verify Hash Codes on the Command Line

Make a screen capture showing the hash values for the Evidence_drive1.001 file.



Part 2: Locate Additional Evidence

Define the original file names and file paths for each of the three files.

G:\VIP Info21DrugSales.xlsx 2021DrugSales.xlsx G:\Students>manual-testing-fresher-resume-1.doc manual-testing-fresher-resume-1 G:\Work Doc\hr letter for visa.pdf hr letter for visa