Lab 1: Introduction to Digital Forensics - Autopsy software

What You Need for this lab

- Windows 10
- Investigate a USB drive
 - o Owned by George Montgomery
- Assume we have the image file
 - o https://www.dropbox.com/s/nw23q14vzsykyup/Ch01InChap01.dd
 - o (from book Guide to Computer Forensics and Investigations. Sixth Edition)
- Software
 - Autopsy: https://www.autopsy.com/download/
- Tasks
 - o Recover Word files, images
 - Search key words

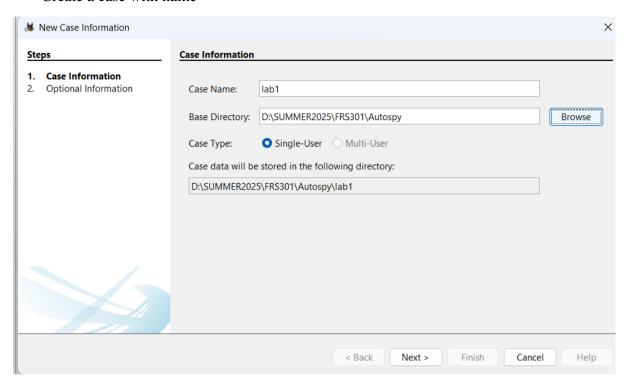
Step 1.

Check hash code online: https://emn178.github.io/online-tools/md5_checksum.html

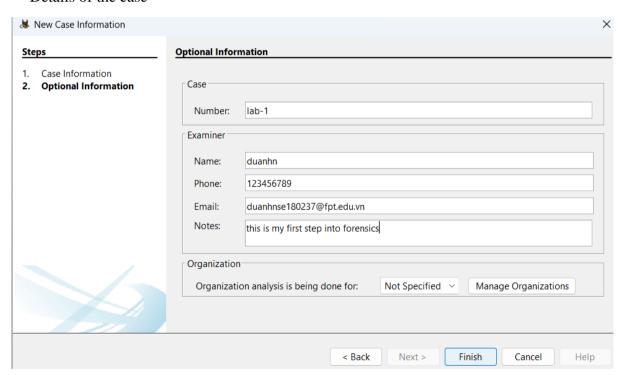
MD5 File Checksum	
This MD5 online tool helps you calculate the hash of a file from also supports HMAC.	local or URL using MD5 without uploading the file. It
Input	7 L
U	
Ch01InChap0	1.dd
Output	اً ∠ ا
a117773bcf1fc88ec0ab8e0a349fbbcb	
Settings	

Step 2.

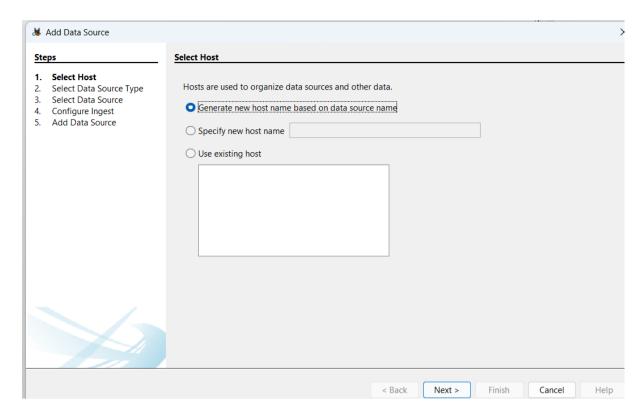
Create a case with name



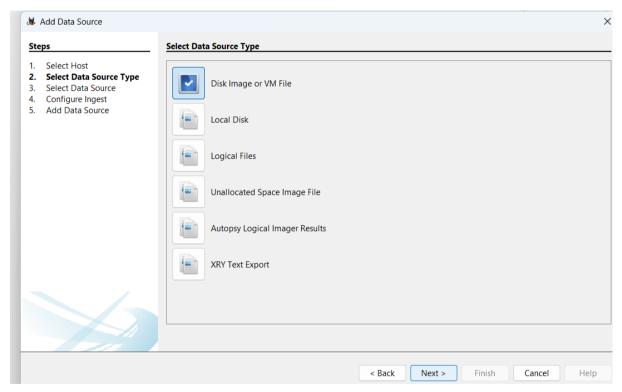
Details of the case



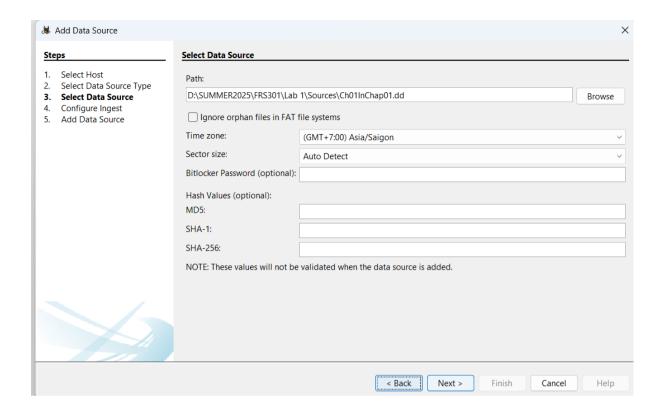
Choose Data Format



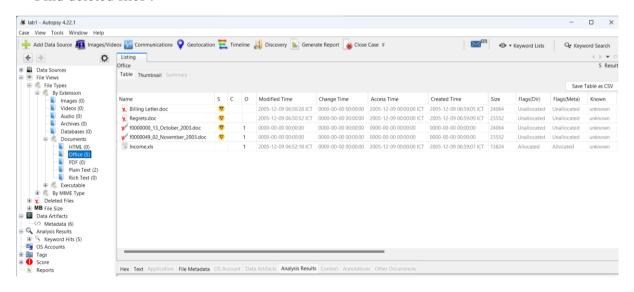
Click Disk Image or VM File



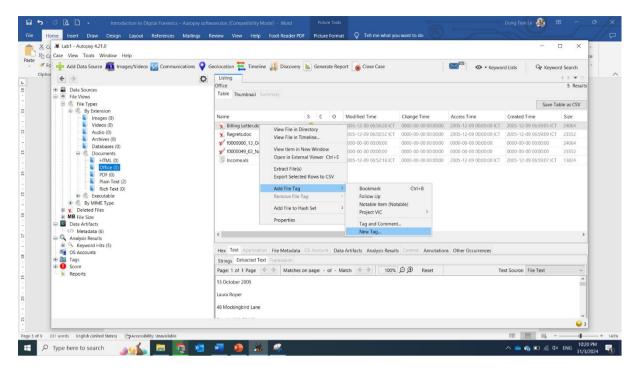
Choose the image file



Find deleted files:



Tag the file: right click and click New Tag

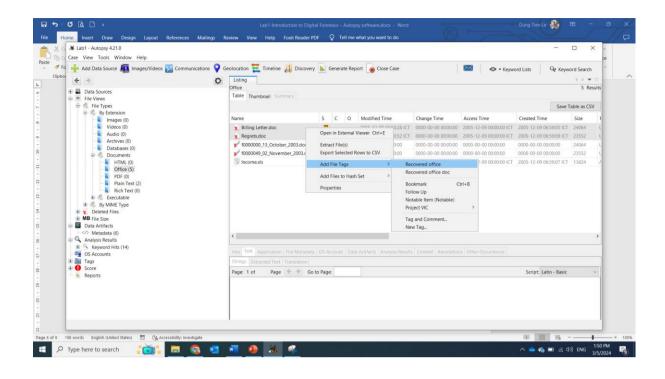


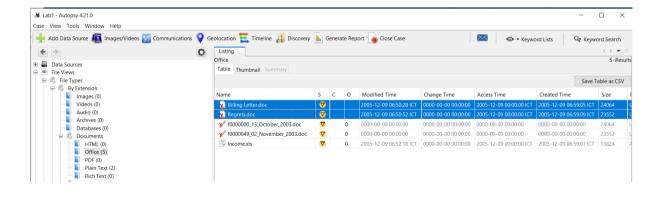
Step 3.

Create a tag for reporting

Pre-existing Tag Names: Bookmark CGI/Animation - Child Exploitive Child Abuse Material - (CAM) Child Exploitive (Non-CAM) Age Dif Comparison Images Follow Up Non-Pertinent Notable Item Recovered office doc New Tag Tag Name: Recovered office Description: Tag Name: Tag Name:		×
OK Cancel	Bookmark CGI/Animation - Child Exploitive Child Abuse Material - (CAM) Child Exploitive (Non-CAM) Age Dif Comparison Images Follow Up Non-Pertinent Notable Item	Tag Name: Recovered office Description: Tag indicates item is notable.

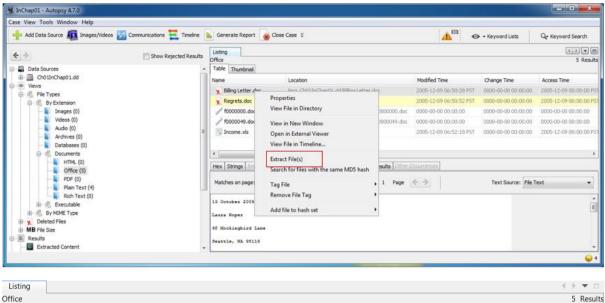
Tag both deleted files

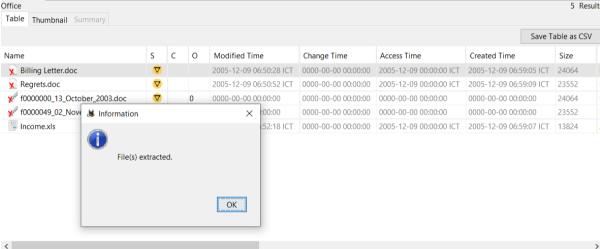




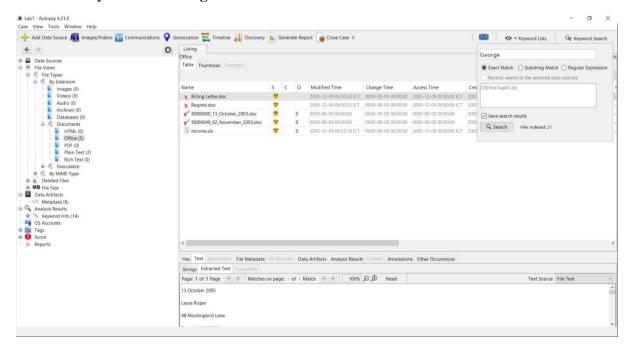
Step 4.

Recover deleted file

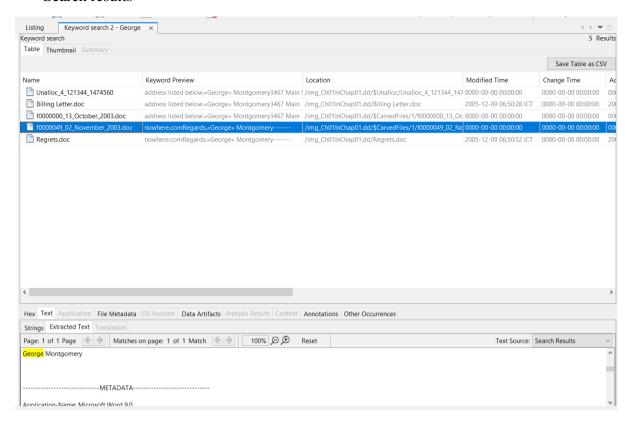




Search keywords: "George"

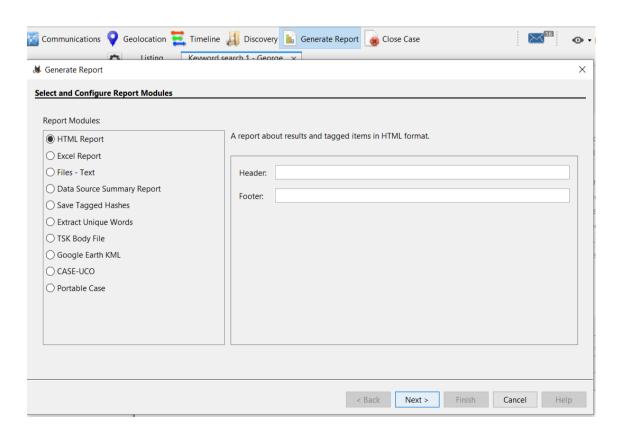


Search results

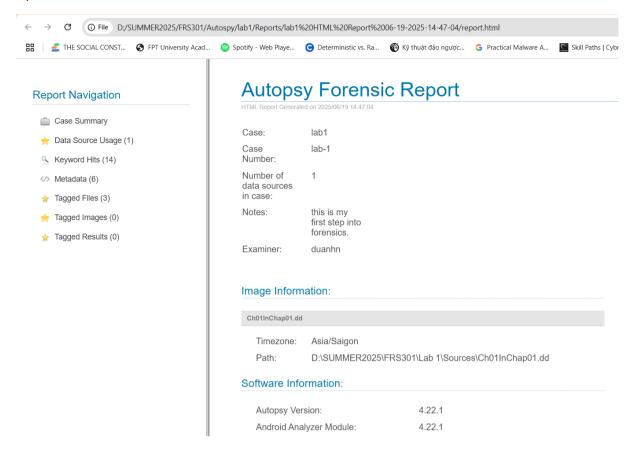


Step 5.

Generate reports



Open or Save as file doc is recovered.



YOU MUST SUBMIT A FULL-SCREEN IMAGE FOR FULL CREDIT!

Save the document with the filename "YOUR NAME Lab 1.pdf", replacing "YOUR NAME" with your real name.

Email the image to the instructor as an attachment to an e-mail message. Send it to: xxx@fe.edu.vn with a subject line of "Lab 1 From YOUR NAME", replacing "YOUR NAME" with your real name.