

Digital Forensics

SRN : PES1UG20CS825

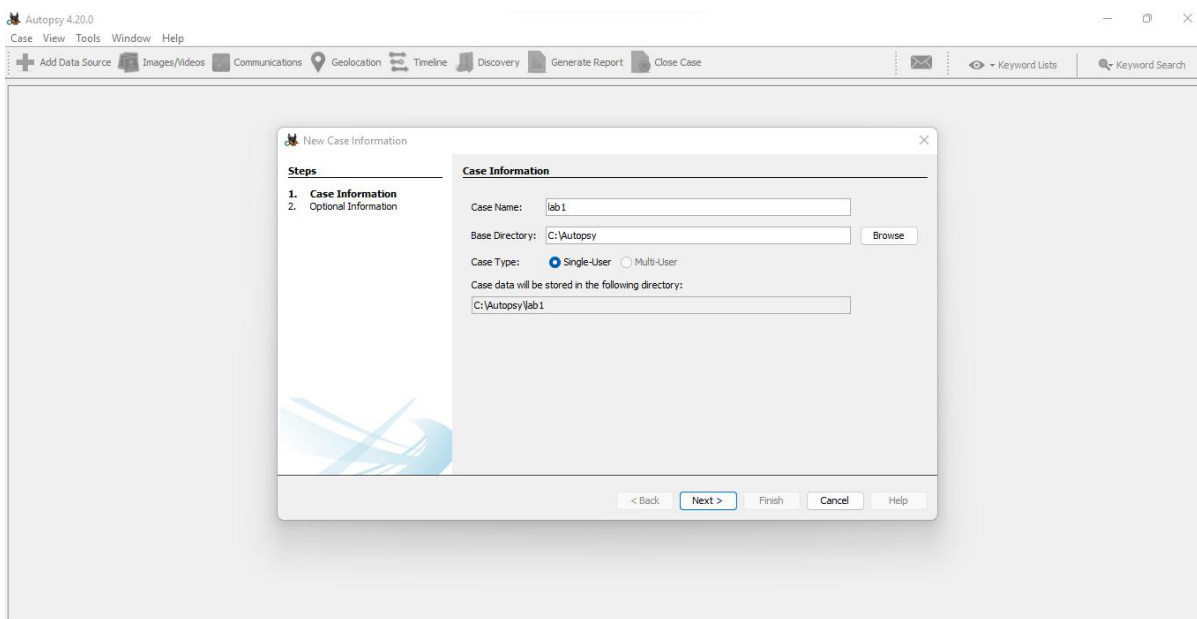
NAME : PREM SAGAR J S

SEC : 'H'

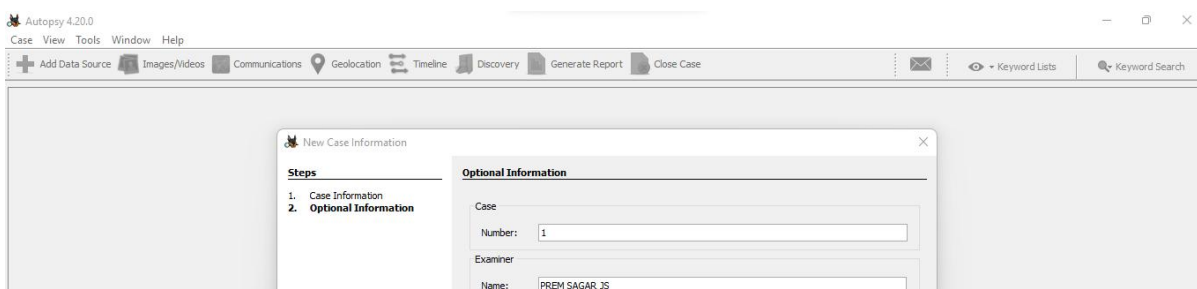
Lab Assignment - 5

A graphical user interface (GUI) programme called Autopsy makes it simple to use the command-line tools, C library, and other digital forensics tools that are part of the Sleuth Kit. The Sleuth Kit's tools, along with other digital forensics tools, will enable Autopsy to automate many of the forensics analysis tasks necessary in the majority of investigations, including recovering deleted files, examining the Windows registry, examining emails, examining unused disc space, and many others. Additional tools provided by autopsy enable examiners to complete their analysis tasks more quickly.

Creating a new case and selecting the base directory.



Entering the case number and examiner details in the optional information section.



Phone: 7892051977
Email: ajgamestar3@gmail.com
Notes:
Organization
Organization analysis is being done for: Not Specified Manage Organizations
< Back Next > Finish Cancel Help

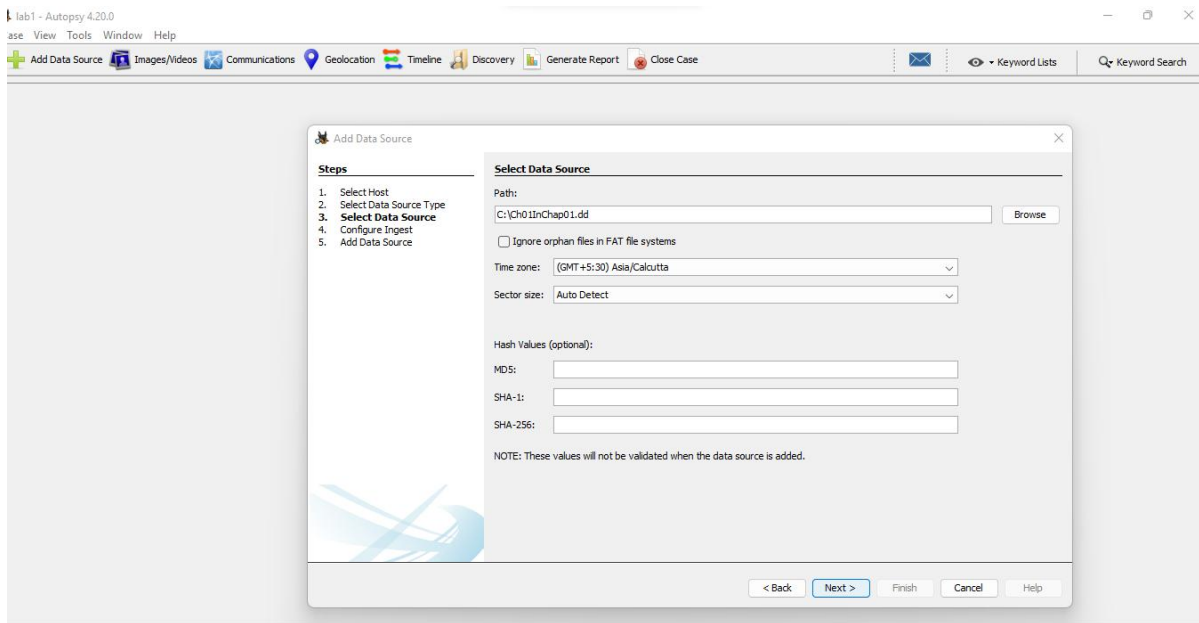
Keep the default settings as it in in the select host section

Steps
1. Select Host
2. Select Data Source Type
3. Select Data Source
4. Configure Ingest
5. Add Data Source
Select Host
Hosts are used to organize data sources and other data.
☒ Generate new host name based on data source name
☐ Specify new host name
☐ Use existing host
< Back Next > Finish Cancel Help

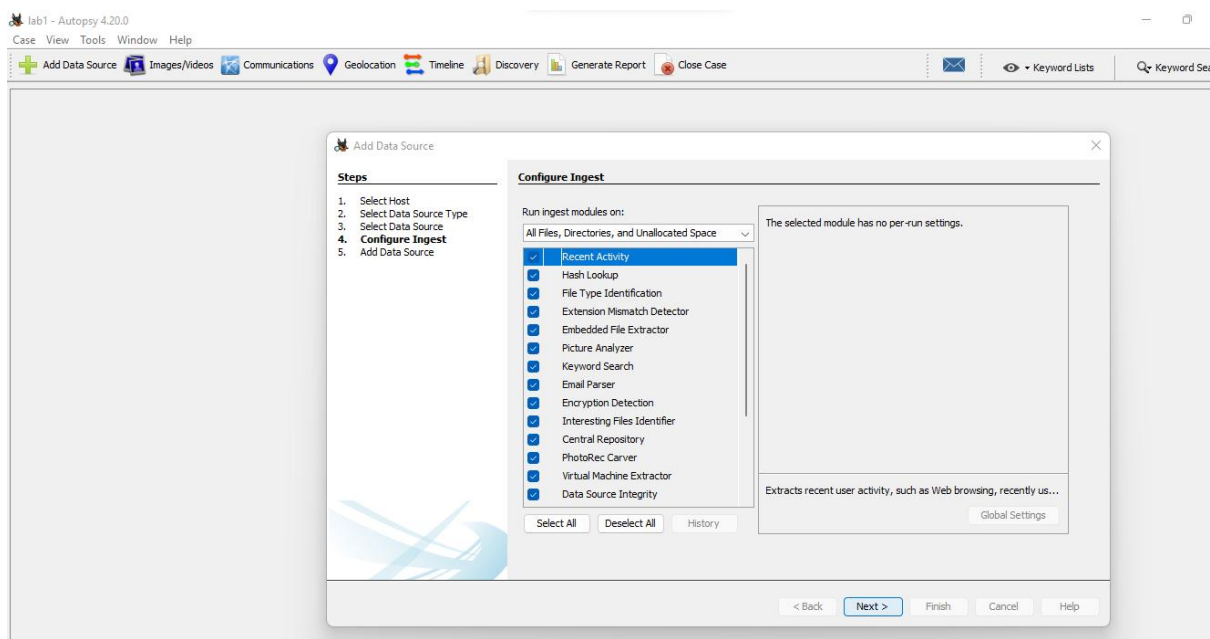
Selecting the data source type as disk image or VM file.

lab1 - Autopsy 4.20.0
Case View Tools Window Help
Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case
Keyword Lists Keyword Search
Steps
1. Select Host
2. Select Data Source Type
3. Select Data Source
4. Configure Ingest
5. Add Data Source
Select Data Source Type
☒ Disk Image or VM File
☐ Local Disk
☐ Logical Files
☐ Unallocated Space Image File
☐ Autopsy Logical Imager Results
☐ XRY Text Export
< Back Next > Finish Cancel Help

Selecting the image file “Ch01InChap01.dd” in the select source data section.

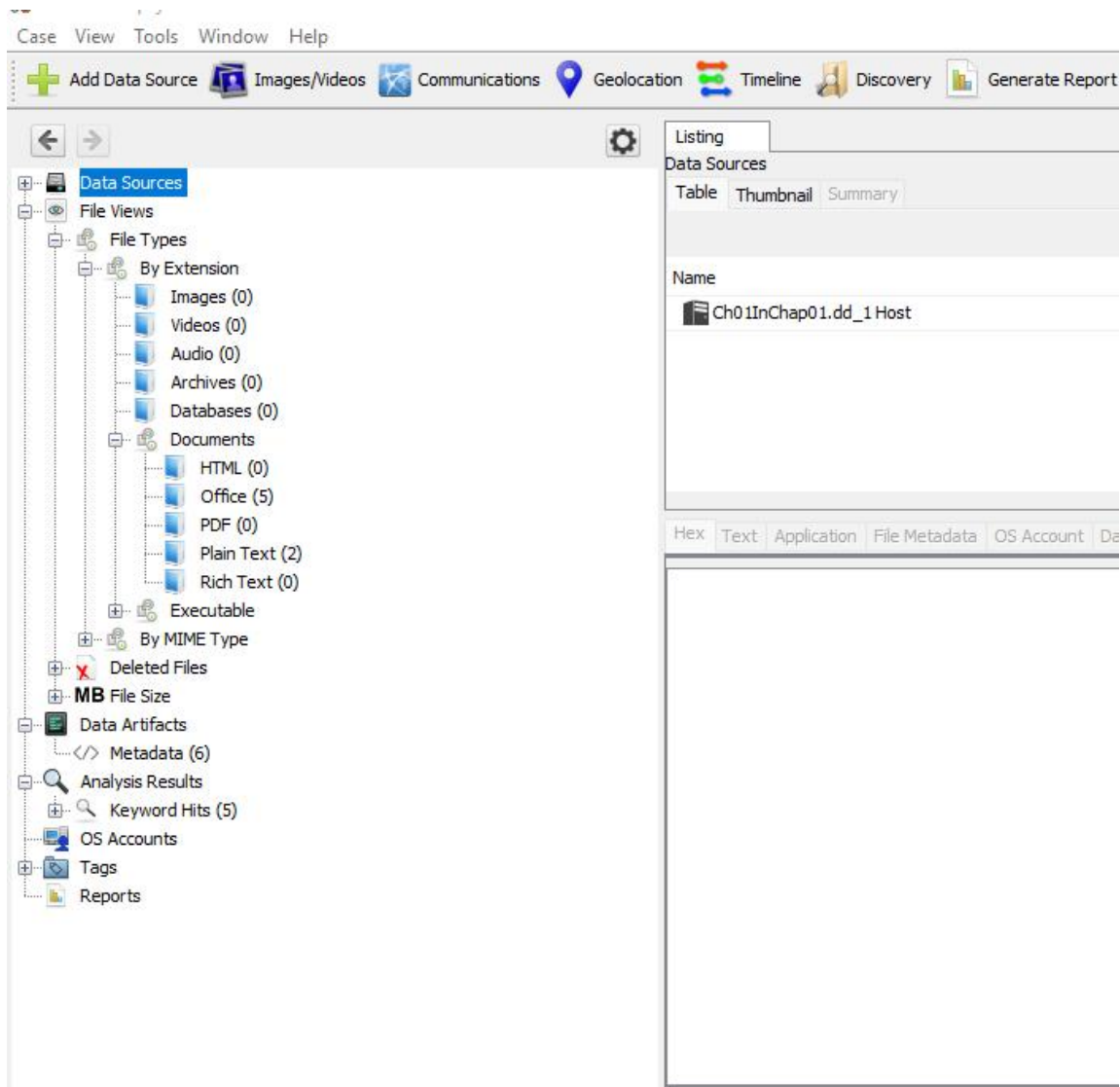


Keep the default setting in configuration Ingest section as it is.

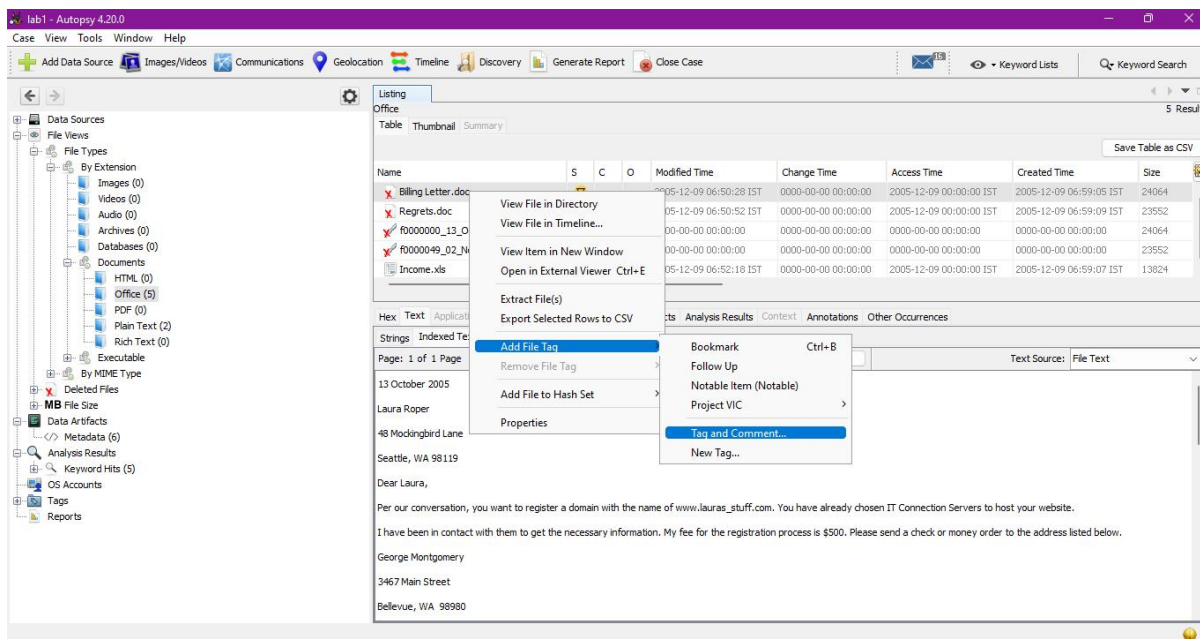


Finished of the initial setup.

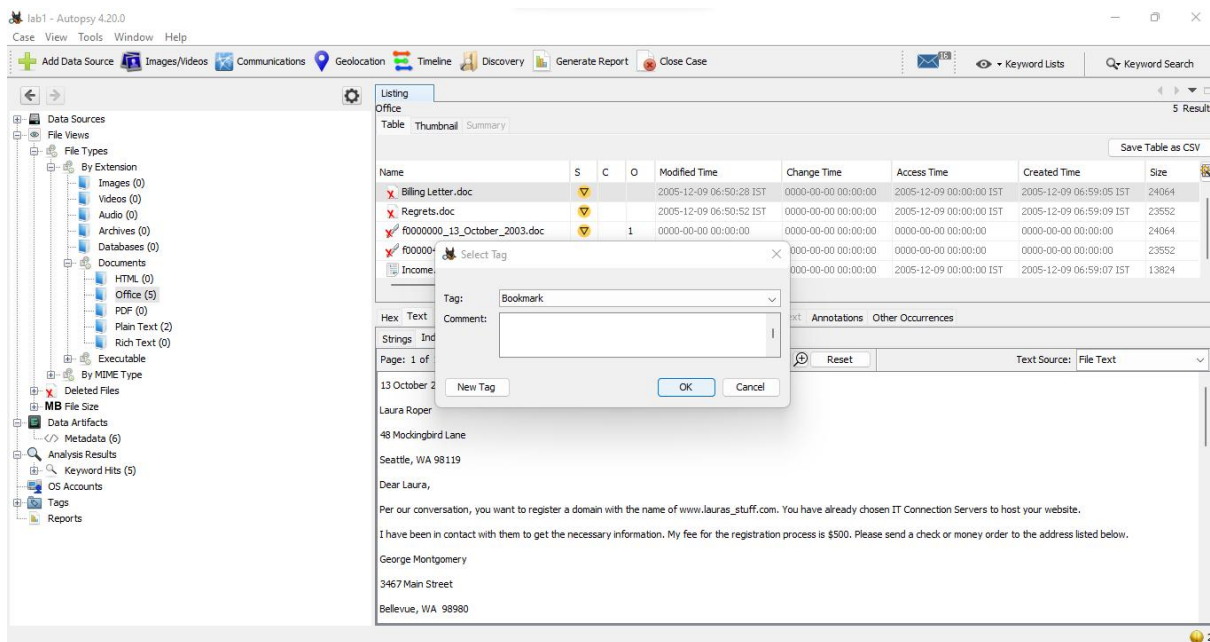
Autopsy's tree viewer panel



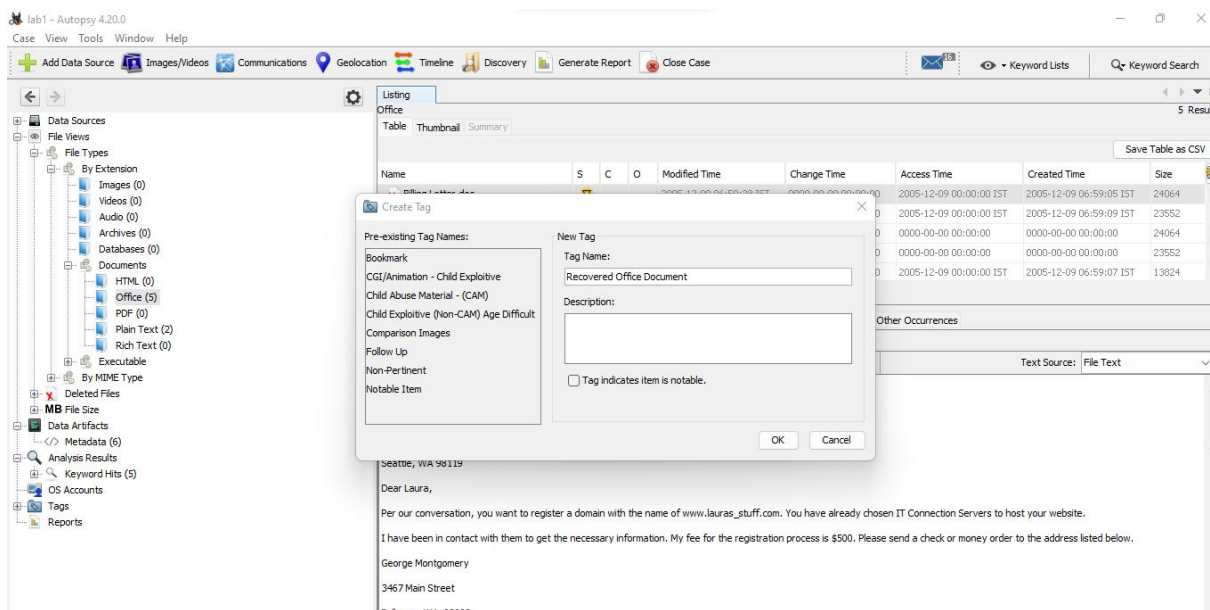
Adding file tag to billing letter.doc file



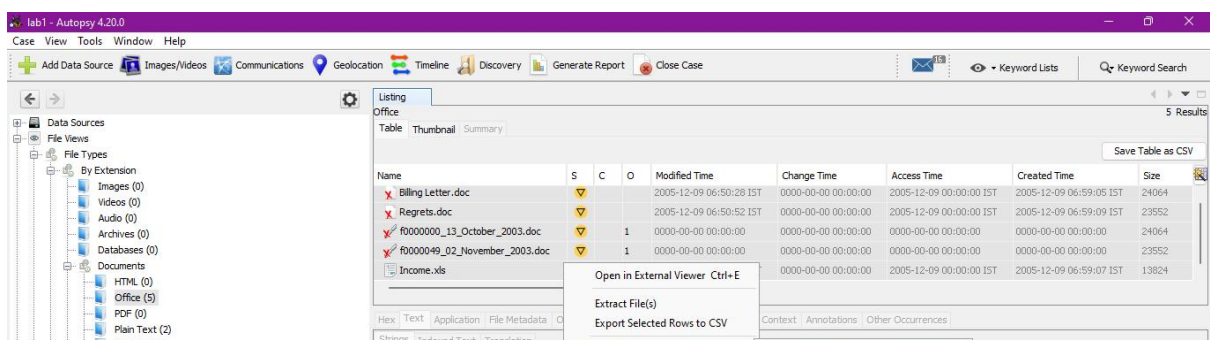
Creating a new tag.

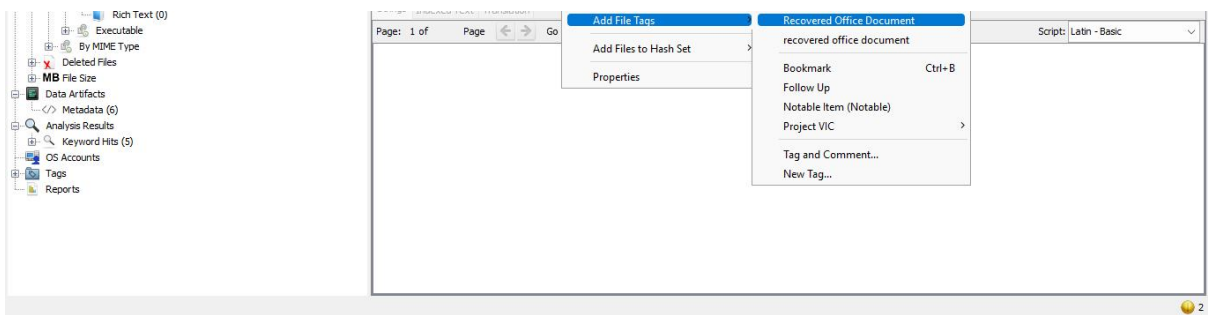


Renaming the tag name to recovered office document.

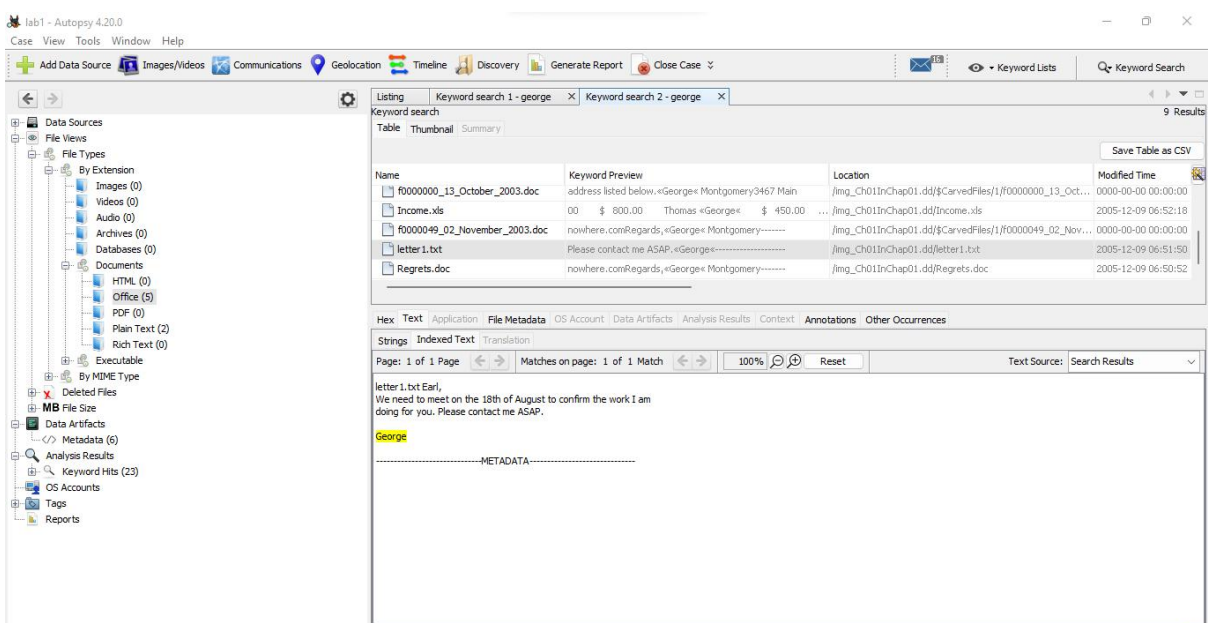
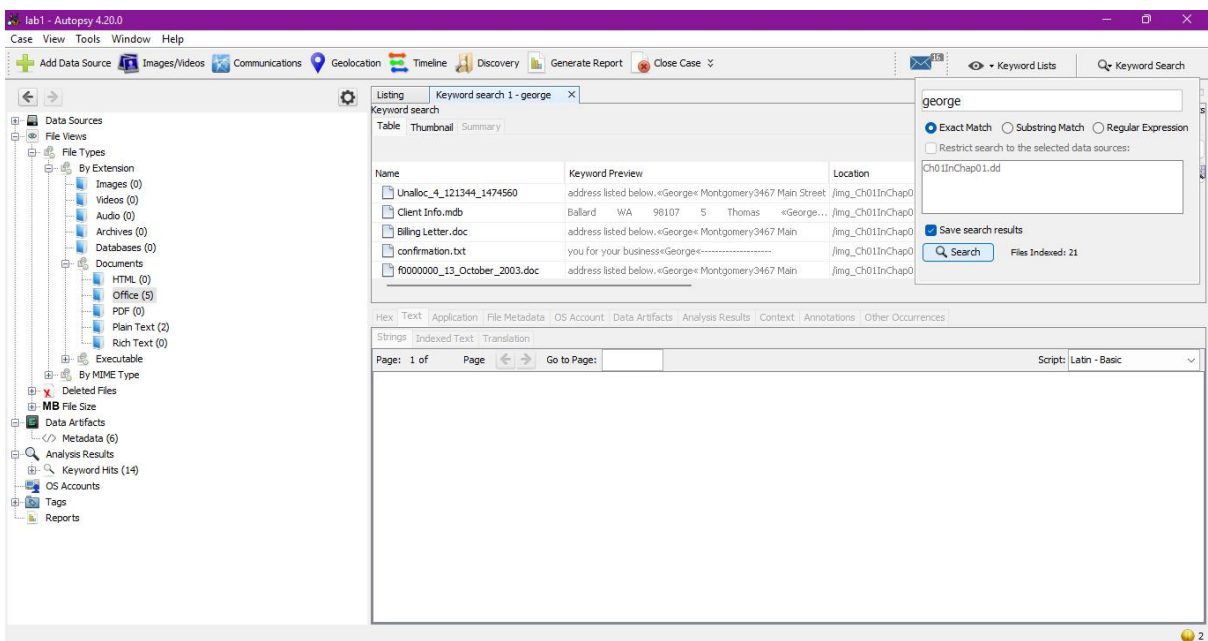


Now when you click on add file tags recovered office document will be displayed.

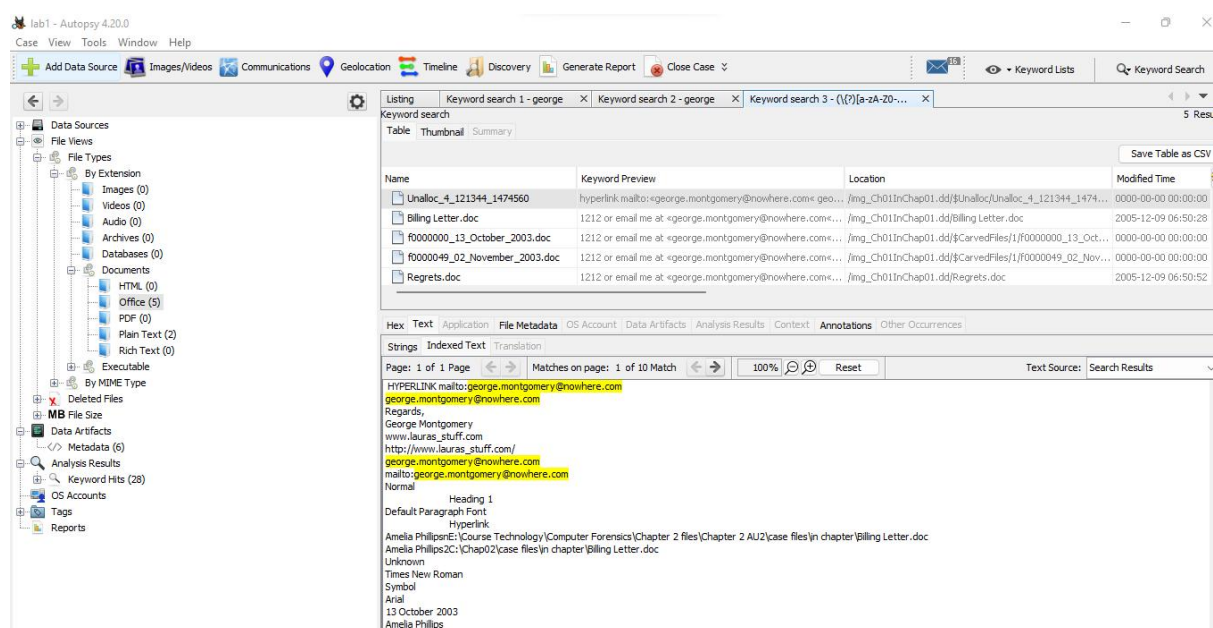
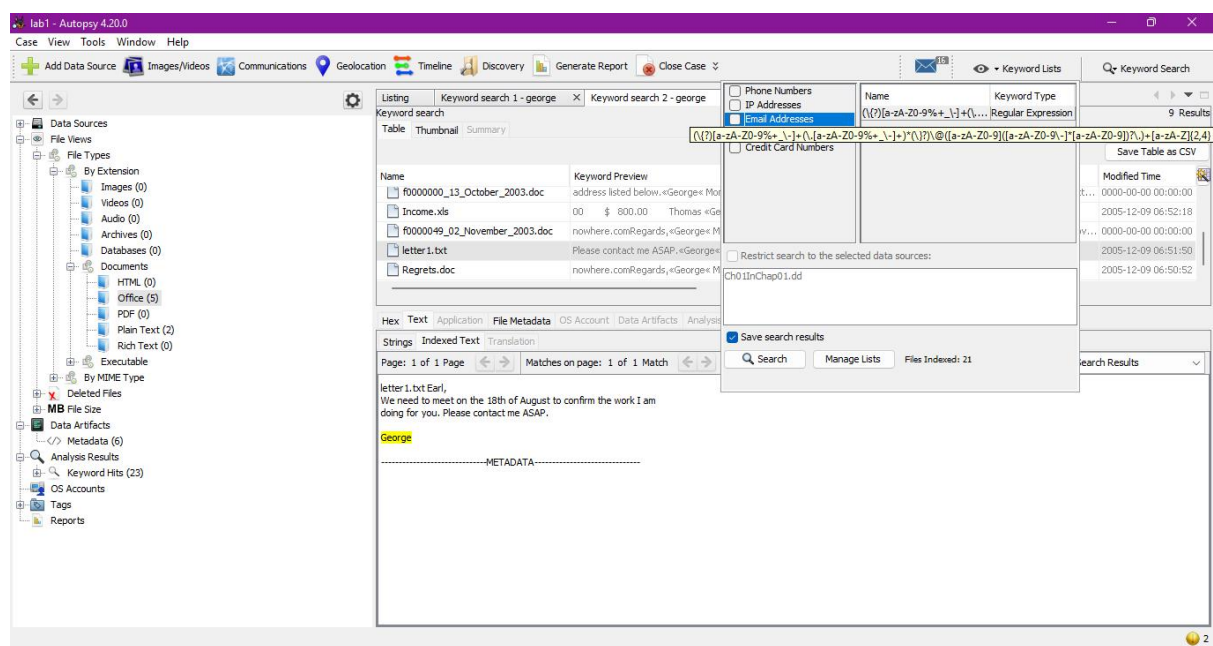




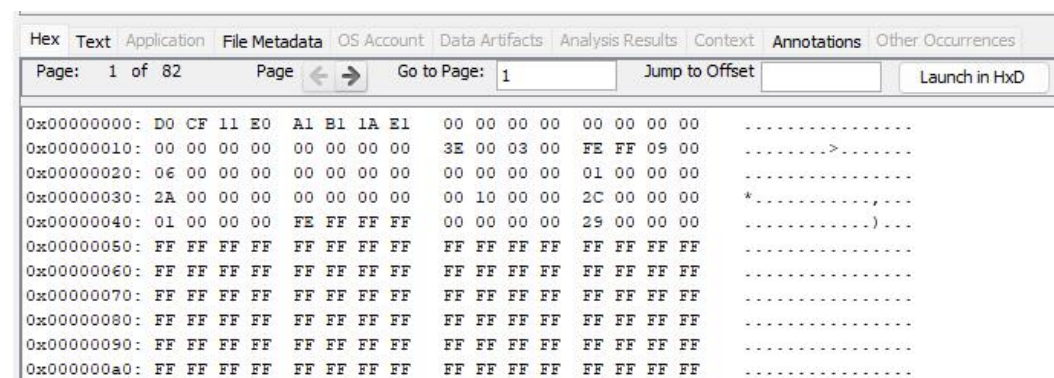
Keyword search is done for searching if there is any reference to the name “George” . Looking for files containing the name “George.”



Searching for references in email by selecting email in the keyword lists section.



Viewing an unallocated sector for its hexadecimal values.



| | | | | | | | | | | | | | | | | | |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| 0x000000b0: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x000000c0: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x000000d0: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x000000e0: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x000000f0: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x00000100: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x00000110: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |
| 0x00000120: | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | |