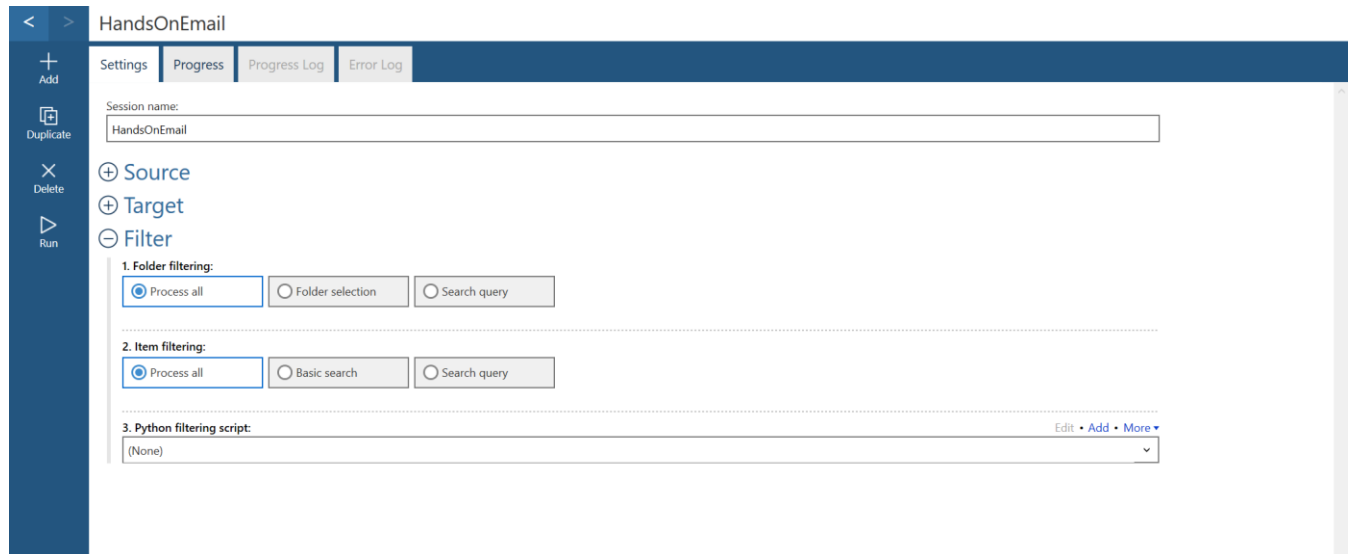**Hands-On Projects**

- The beginning process of this lab starts by downloading Aid4Mail and creating the work folder in which the files are going to be stored. The Aid4Mail software is used to collect, search, and migrate mail.


- After successfully completing all the steps and initiating the conversion to CSV file in my downloads, I was able to open Excel file that contained unique information stored within each email.

- Within this excel file, I am exposed to tons of information within these email files, which will be used later to determine further information about the scandal investigation.

- As the contents within the Excel file were compressed, I went through each tab to make things more readable.
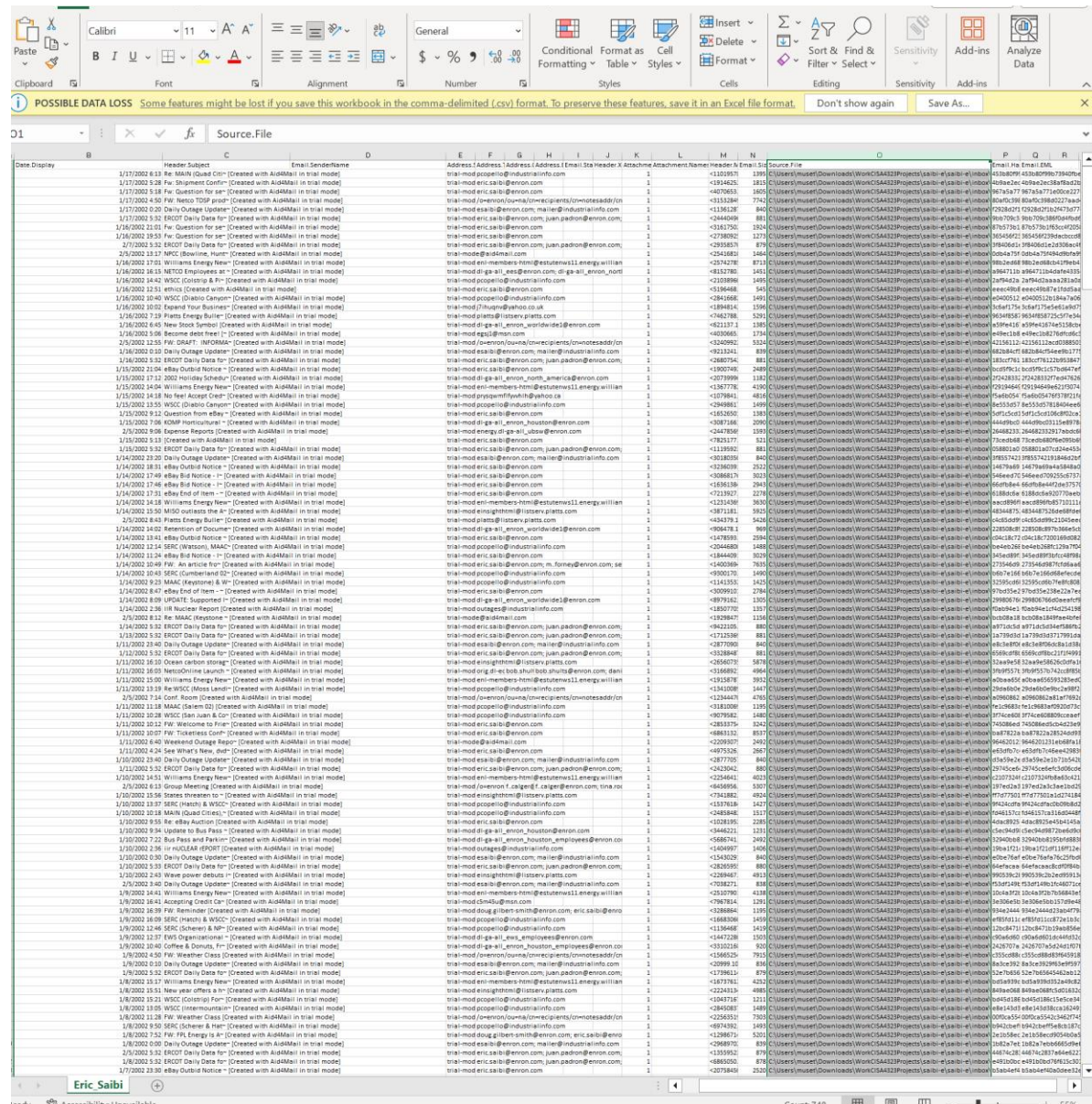
Export options in Aid4Mail- Go to the Aid4Mail Web site and read the user manual.

What can be done to make viewing data easier? Write a short paper describing the options. (250 words or less)

- The Aid4Mail Website, the help navigation section, is very useful in understanding how to successfully and accurately search email and conversion applications for use in digital forensics, eDiscovery, mail migration, and archiving. Within the filtration section, the guide explains its four features that will make the search process easier: folder filter, native filter, item filter, and Python filter script. Each feature is designated to filter through emails to make the navigating process easier, and after completing this lab, these features came in super handy when trying to find information regarding the case. Additionally, the search option on the top right to search keywords was also very helpful in this case; the keywords provided in the PDF helped me find a lot of information. I was also able to find other keywords to search for further regarding the case.

Hands-On Project Email Forensics-2

- The next section involved me having to use Autopsy to examine email information about the Enron scandal case.
- I made sure to update the Autopsy software to be able to I am able to use all features.
- After successfully going through the steps, I was able to export the different Excel files from the keywords within the guide.
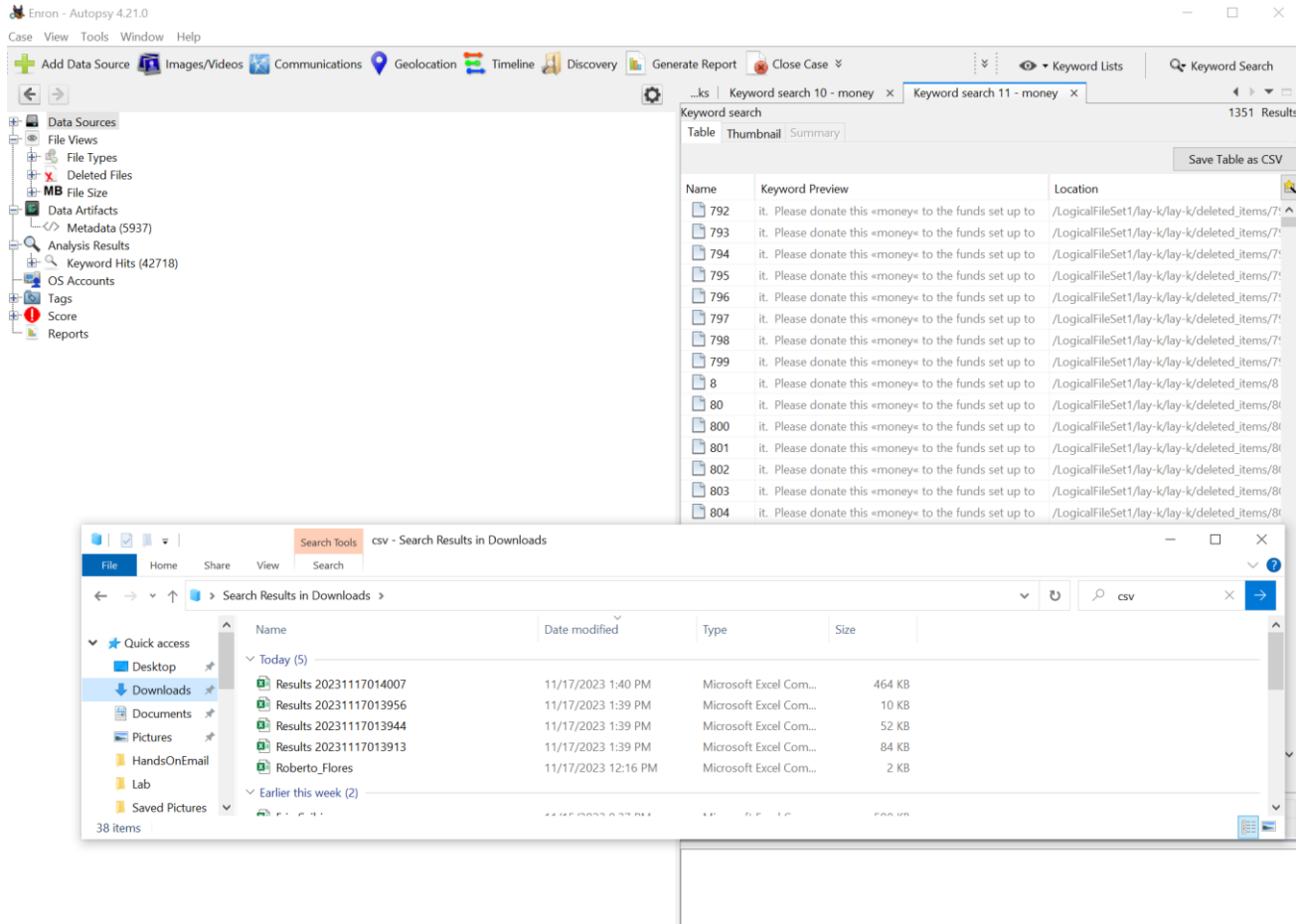
Research Kenneth Lay's role in the Enron scandal, and then examine his e-mails. What additional words would you add to the search terms? When you're finished, exit Autopsy for Windows.

- These were additional keywords I found useful: funds, bankruptcy, debt, hide, Wall Street, Houston, records, quarter and shares.

Write a small report describing your results. What evidence did you find about Kenneth Lay's part in the Enron case? What's your assessment of using Autopsy to examine e-mail? (250 words or less

- After the news broke out about the case, emails were sent to Kenneth regarding their concerns about what happened to the company, as if it were a surprise that some were never informed about the misinformation about the stock decisions. Overall, the company too many seemed to be a top and successful company when, in fact, it was having financial problems.
- Jeff McMahon was appointed as CFO to restore investor confidence due to the changes that were being made. At this point, the rumors seem to have become true due to all these changes happening with the company, such as layoffs, bankruptcy, and takeovers.
- Talks were also done to discuss potential mergers to save the company.
- Kenneth admitted that his trading decisions disregarded the company's positions. Kenneth was also aware of the downfall of revenue within each quarter, which was the start of the rumors.
- Kenneth netted over $100 million selling Enron stock while the company had officially declared bankruptcy. All employees were terminated, and health and retirement benefits were no longer an option
- Kenneth was urging employees to buy Enron stock as well to help the company's situation.
- Tons of emails from employees and shareholders were sent to Kenneth about the destruction of the company and the impact it has had on the company, and ultimately, the messages aren't the nicest. You would expect this type of message from people who have been in the company for some time and have accumulated tons of money for the company and their retirement plans, only to see it disappear. Additionally, emails from new employees were also sent due to the short notice of their time at Enron. These emails were only sent, and Keeneth was in the middle of an emergency situation.

- By using Autopsy to examine the emails, it made the process much easier to scan through all the information about the case. The features were a bug since the use of filtration will slim down the results in finding real-life information about the situation. Since this is an email inbox, there was a ton of information regarding the business way before the rumors started. Additionally, I was able to export the emails into a CSV file with the results from one specific keyword. Furthermore, I also went through the suspicious item filter to crack down on relevant data to the case, I was able to find good information in there as well. Ultimately, this tool is very helpful as a forensics investigator, and took a lot of helpful information in learning to operate this tool. I look forward to coming back later and using this tool more often to obtain new skills.