

# CSCI 352.61E, Digital Forensics Assignment 2

## Advance Search

**Objective:** The objective of this assignment is to search information inside of folder.

### Tools Required:

1. Linux – Ubuntu
2. STRINGS
3. EXIFTOOL – `sudo apt install exiftool -y`
4. UNZIP – `sudo apt install unzip -y`
5. CALIBRE - `sudo -v && wget -nv -O- https://download.calibre-ebook.com/linux-installer.sh | sudo sh /dev/stdin`
6. PDFGREP – `sudo apt install pdfgrep -y`

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### Instructions:

Step 1: Download lab files

<https://github.com/yauckacheung/csci352/blob/main/A2/regex.zip>

Step 2: Unzip the files

Step 3: Verify some unzipped files

Step 4: List all file types in the directory

Step 5: Save strings of a jpg to a txt file

Step 6: Install Exiftool

Step 7: Show metadata

Step 8: Search email in all text files

Step 9: Search email in pdf files

Step 10: Show .docx content without unzip to disk

Step 11: Show .docx props without unzip to disk

Step 12: Show email in a docs content without unzip to disk

Step 13: Try multiple docs files

Step 14: Search only word/document.xml

Step 15: Search only docprops/core.xml

Step 16: Search people's names in images (mainly header or hidden names)

Step 17: Calibre Conversion\*

Step 18: Documentation and Reporting

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**Deliverables:**

- A report covering the steps, observations, and results.
  - Summarizes your findings.
  - The report should include: The steps taken from 1 to 17
- Screenshots of the steps.

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Let me know if you need further details or clarification!