CSCI 352.61E, Digital Forensics
Assignment 1

Carving/recovering a USB image

Objective: The objective of this assignment is to introduce students to carve and recover a USB image.

Tools Required:

1. Linux – Ubuntu
2. 7ZIP - sudo apt install p7zip-full p7zip-rar
3. HASHDEEP – sudo apt install hashdeep
4. FLS – sudo apt install sleuthkit
5. SCALPEL – sudo apt install scalpel
6. TREE – sudo apt install tree

Instructions:

1. **Step 1: PREPARE A USB IMAGE FOR FILE CARVING**
2. **Step 2: EXAM THE CONTENT OF THE USB**
3. **Step 3: DECIDE WHICH FILE TYPES NEED TO CARVE**
4. **Step 4: CARVING THE USB IMAGE**
5. **Step 5: DISPLAY TWO CARVED JPG IMAGE**
6. **Step 6: Documentation and Reporting**
   - Create a report that summarizes your findings. The report should include:
     - The steps taken from 1 to 6
     - Any challenges encountered during carving.

Deliverables:

- A report covering the steps, observations, and results.
- Screenshots of the steps.

Let me know if you need further details or clarification!