Digital Forensics – Spring 19
Project 2 – Data Carving

Overview

This project will provide you with experience in recognizing a variety of file types at the byte level. Deleting, hiding, and renaming files are a few methods used to evade a forensics investigation. Find as many files as you can…

Option 1

Write a Python program to carve evidence from a binary file.

- You may only import 'binascii', 'hashlib', 'os', and 'sys' libraries
- Your program must accept a binary file as a command-line argument
- Your program must write carved files to a folder titled with your last name
- Your program must write the MD5 hash of each carved file to a file names hashes.txt in the same folder as the carved images
- Your program must output to screen some basic file information such as file type found, file size, and location offset for each carved file

The following items must be submitted to receive full credit for this project:
1) A document explaining your approach/methodology for this project (.doc, .docx, .txt, .pdf, etc…)
2) Commented code (.py file)

Option 2

Submit a 3-5 page paper on data/file carving with respect to digital forensics.

This project is due No Later Than midnight, March 5th.
Submit your project via Canvas.