

CFRS 772: Forensic Artifact Extraction

Homework Project 2

1. Write a Python program to perform the following tasks:
 - Prompt the user for a filename (full path), file type (b for binary or t for text), and search term (string if text or hex bytes if binary)
 - Output to console *and* a local text file:
 - Filename provided by user
 - Search term provided by user
 - If search term was found or not
 - Byte offsets of the search term locations in the file
2. You may use the stub(s) provided, but do not have to
3. Implement two classes when writing your solution (BinFile and TextFile)
4. Check your user's input and use try-except to catch errors where appropriate
5. Comment your code appropriately
6. Run your code on the provided test files (and others if desired)
7. Run your code through a PEP 8 checker
8. Confirm the correctness of your code using a hex editor, e.g., HxD
<https://mh-nexus.de/en/downloads.php?product=HxD>

On BlackBoard, submit (1) a single PDF document with screenshots or copy/paste from the shell showing your code in operation, and (2) your final code with debugging disabled.