Outputs

Forensic Tool Usage

1. Extract Metadata

python forensic.py --meta test_image.img

- Retrieves metadata from test_image.img.

2. Compute Hashes

python forensic.py --hash test_image.img sha1

- Generates SHA-1 hash of test_image.img.
- Extendable for sha256, md5, etc.

3. Compare Hashes for Integrity

python forensic_tool.py --compare hash1.txt hash2.txt md5

- Compares two hash files using MD5.
- Can support multiple hash algorithms.

4. Analyzing Log Files for Security Threats

python forensic_tool.py --log system.log

Scan logs for potential security breaches, such as unauthorized access attempts: