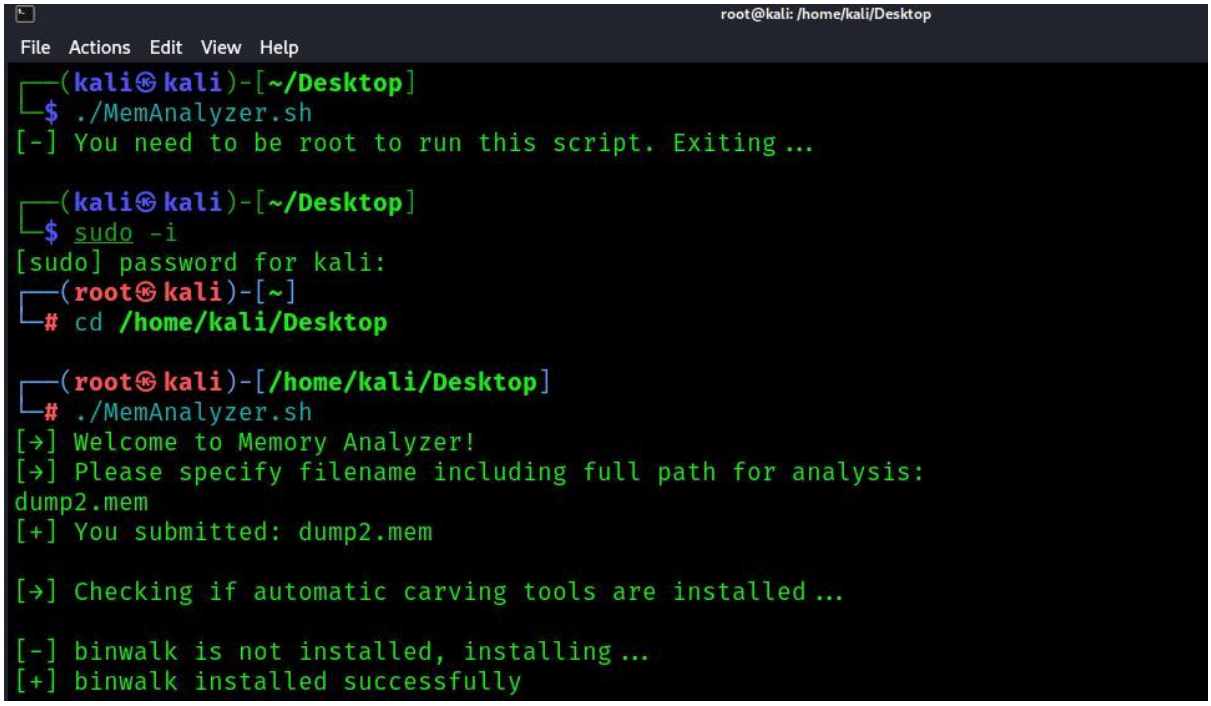
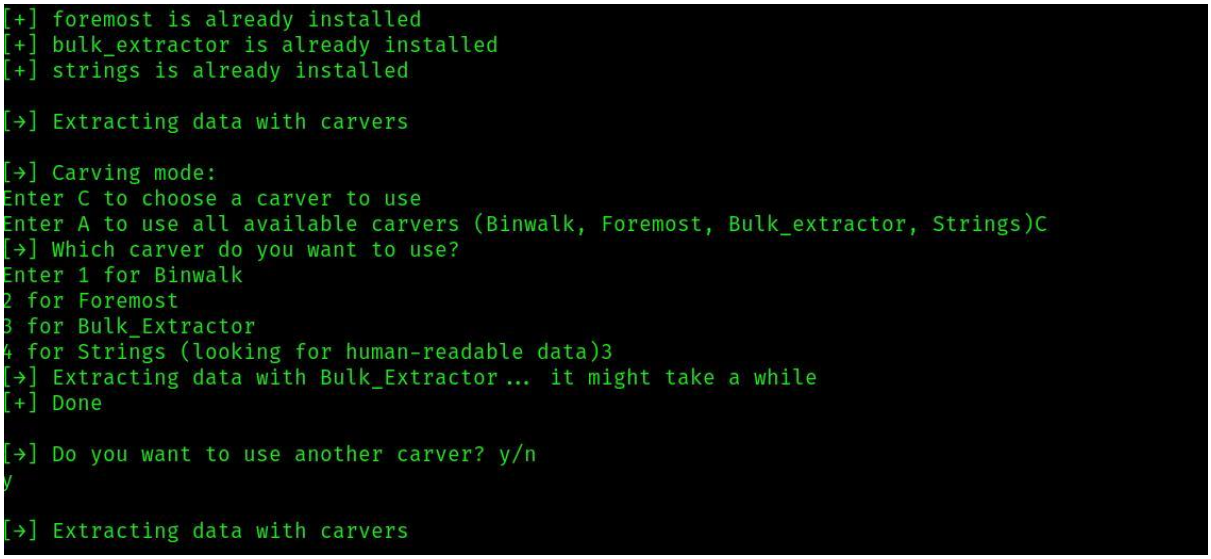
MemAnalyzer.sh

1. Check the current user, if not root exit.
2. Request the user to submit file for analysis.
3. Check if automatic carving forensic tools are installed. If missing – install.



1. Automatic file carving. Option for the user to choose a carver or use all available carvers.



1.Extracting data with Bulk_Extractor and Strings.

2. Option for the user to submit to Strings keywords.

3.Results are saved into files.

```
[→] Extracting data with carvers

[→] Carving mode:
Enter C to choose a carver to use
Enter A to use all available carvers (Binwalk, Foremost, Bulk_extractor, Strings)C
[→] Which carver do you want to use?
Enter 1 for Binwalk
2 for Foremost
3 for Bulk_Extractor
4 for Strings (looking for human-readable data)4
[→] Extracting data with Strings. Looking for keywords: exe, password, username, http ...
[→] Do you want to submit your keyword y/n?
y
[→] Enter your keyword:
root
$Microsoft Root Certificate Authority
?http://crl.microsoft.com/pki/crl/products/microsoftrootcert.crl0T
8http://www.microsoft.com/pki/certs/MicrosoftRootCert.crt0
               {*.1106.287C.0.0.0.00000000.00020000}, \    ;; bit 17 PCI_HACK_IGNORE_ROOT_TOPOLOGY
```

1.Pcap file detection.

2. Checks if the submitted file is a memory file that can be analyzed with Volatility.

3.If yes – start running volatility plugins.

4. Results are saved into files.

```
Baltimore CyberTrust Root0
-http://cybertrust.omniroot.com/repository.cfm0
1http://cdp1.public-trust.com/CRL/Omniroot2025.crl0
Nb37\SystemRoot\System32\drivers\etc\lmhosts
[+] Done. Results are saved
[→] Do you want to submit another keyword? y/n
n

[+] Done

[→] Do you want to use another carver? y/n
n
[+] All results are saved in: Analyzer/dump2.mem

[!]Detected pcap network file. Saved in:
/home/kali/Desktop/Analyzer/dump2.mem/bulk_results
[+] Network file size: 1.2M
[→]Analyzing file with Volatility. Trying to extract profile ...
This might take a few minutes
[+]Extracted profile is: VistaSP1×86
[→]Running pstree plugin
```

1. General statistics.
2. Option to zip the results.
3. Bye-bye