Digital Forensics
Lab 11

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CY-D

Submitted to:
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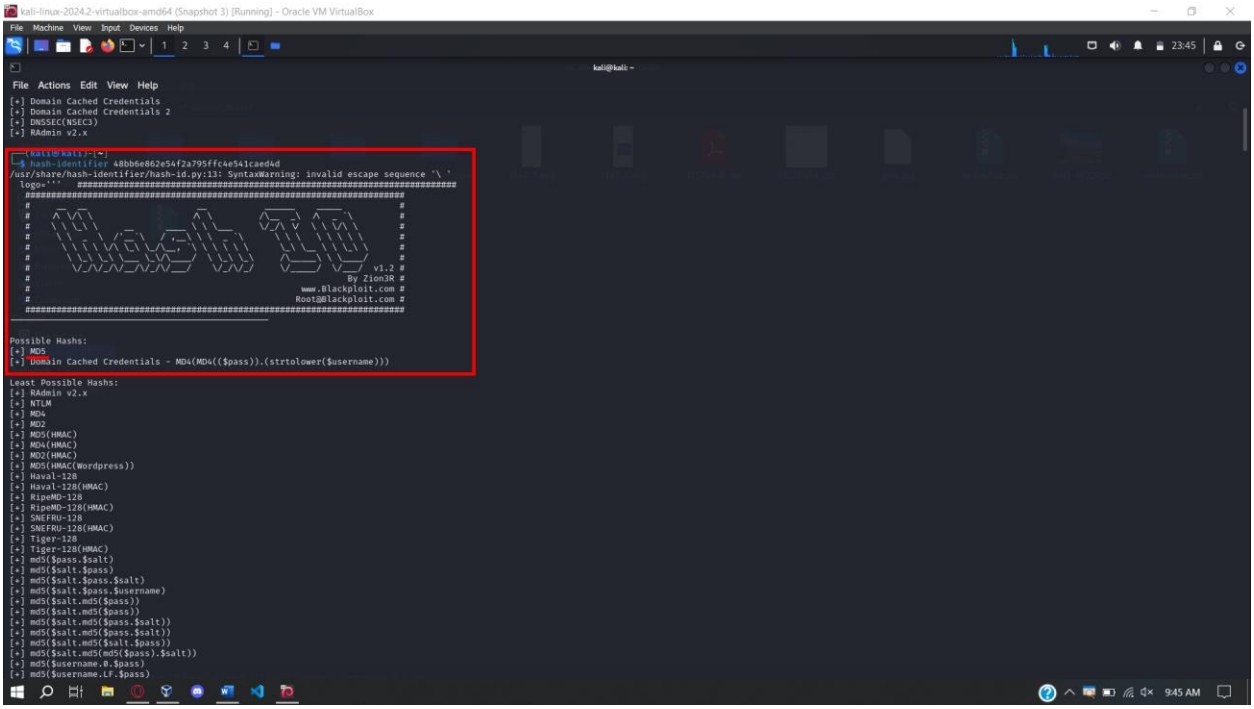
Question 1:

Hash: 48bb6e862e54f2a795ffc4e541caed4d

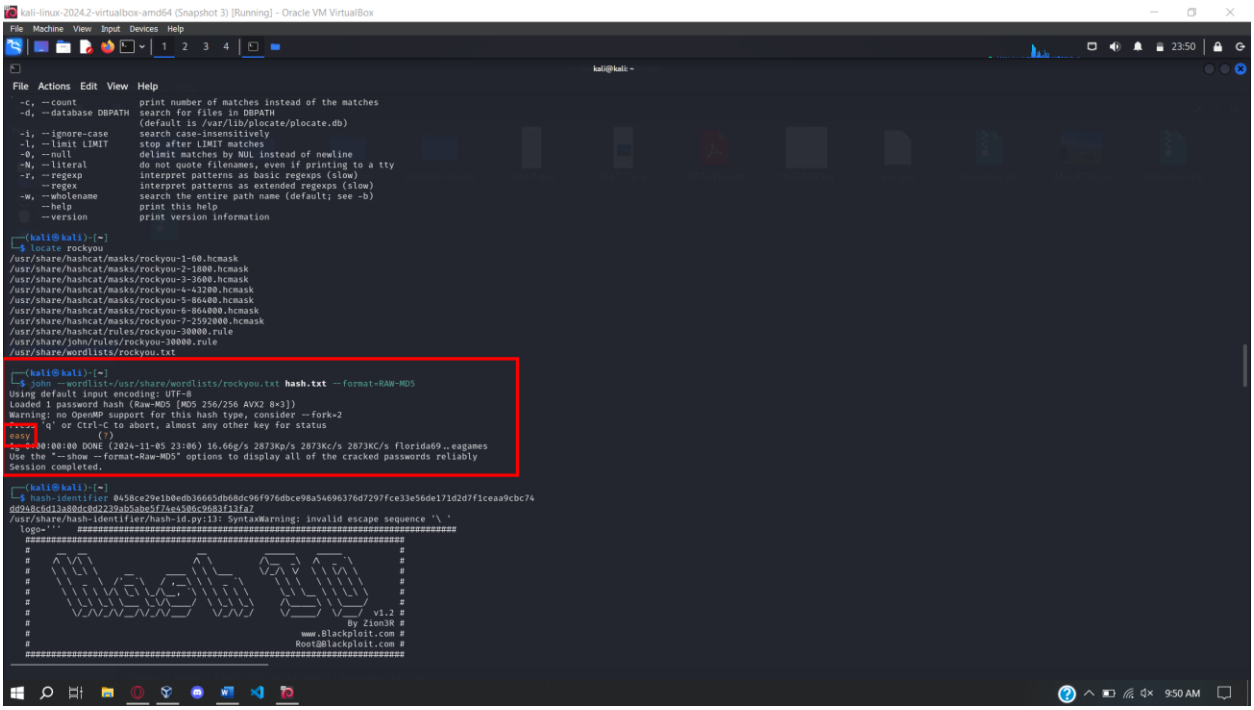
Hash type:

MD5



Password:

easy

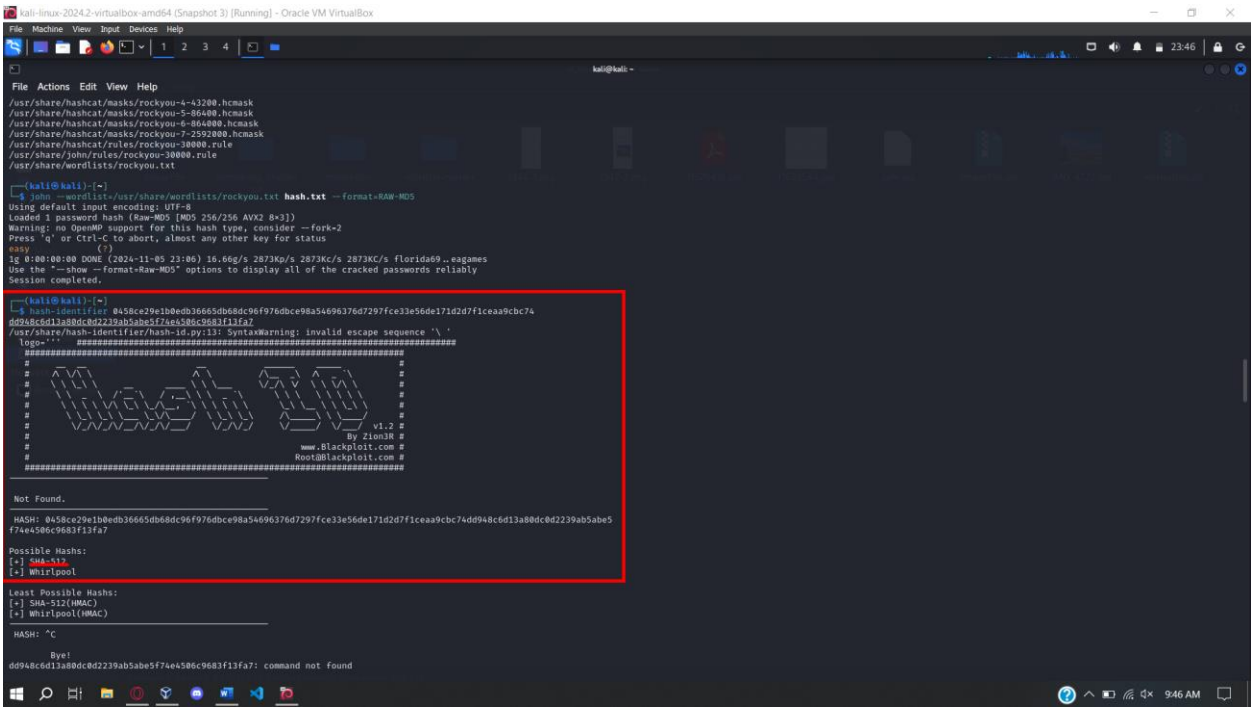


Question 2:

Hash:
0458ce29e1b0edb36665db68dc96f976dbce98a54696376d7297fce33e56de171d2d7f1ceaa9cbc74dd948c6d13a80dc0d2239ab5abe5f74e4506c9683f13fa7

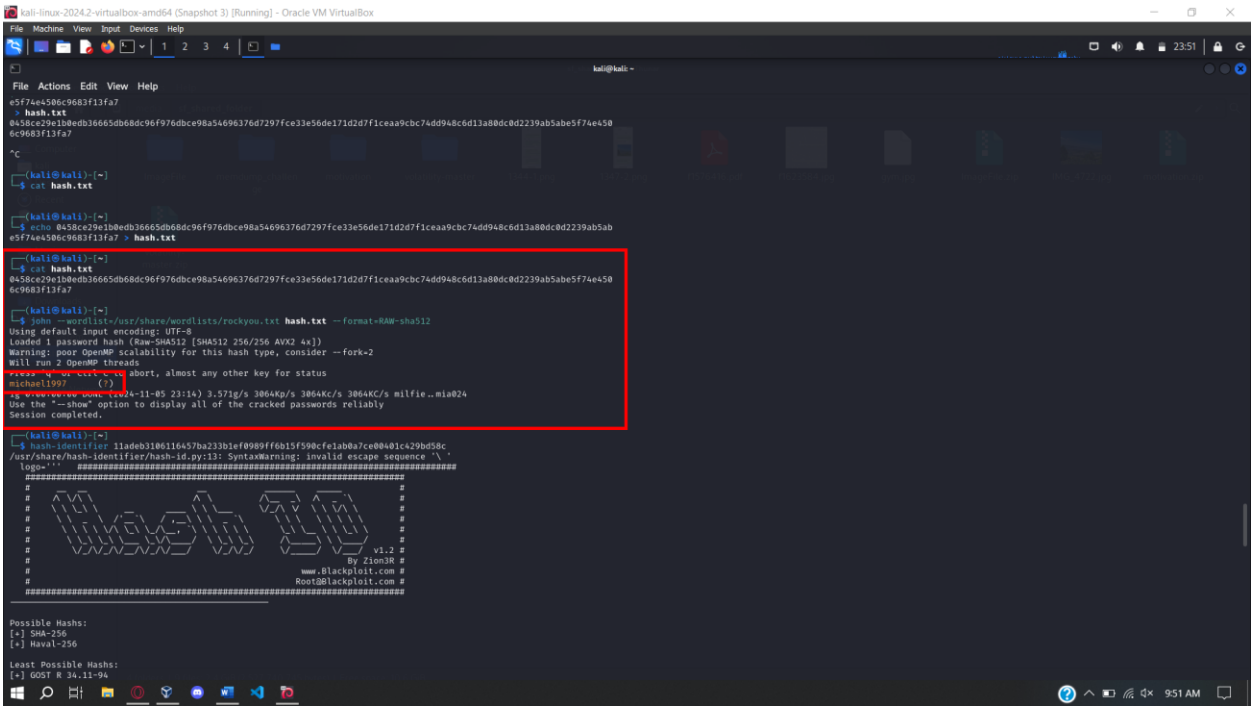
Hash type:

SHA512



Password:

michael1997

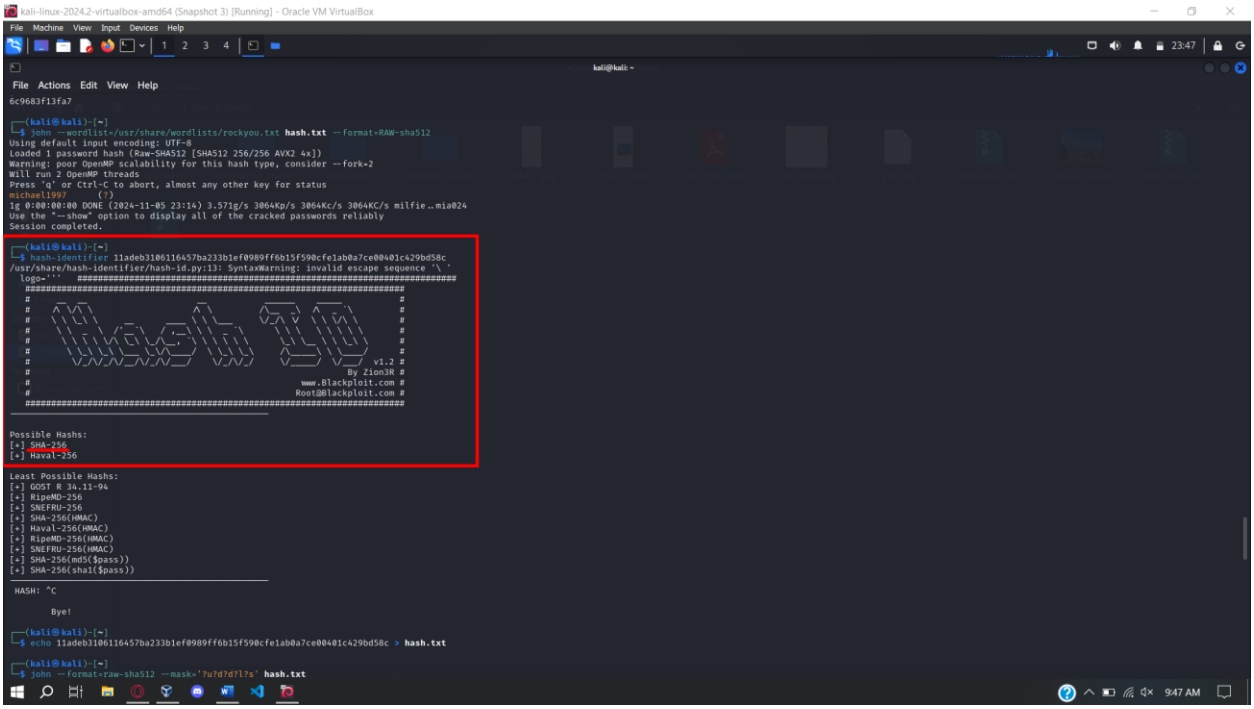


Question 3:

Hash: 11adeb3106116457ba233b1ef0989ff6b15f590cfe1ab0a7ce00401c429bd58c

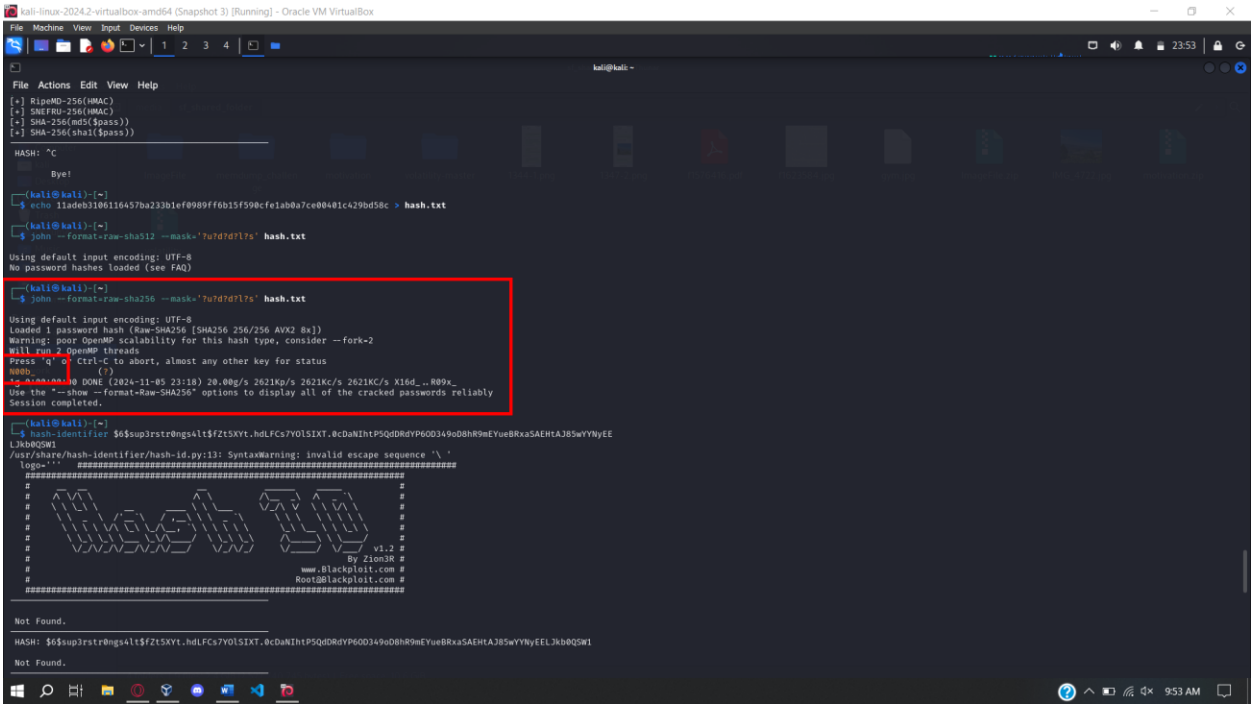
Hash type:

SHA256



Password:

N00b_



Question 4:

Hash:
6sup3rstr0ngs4lt$fZt5XYt.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1

Hash type:

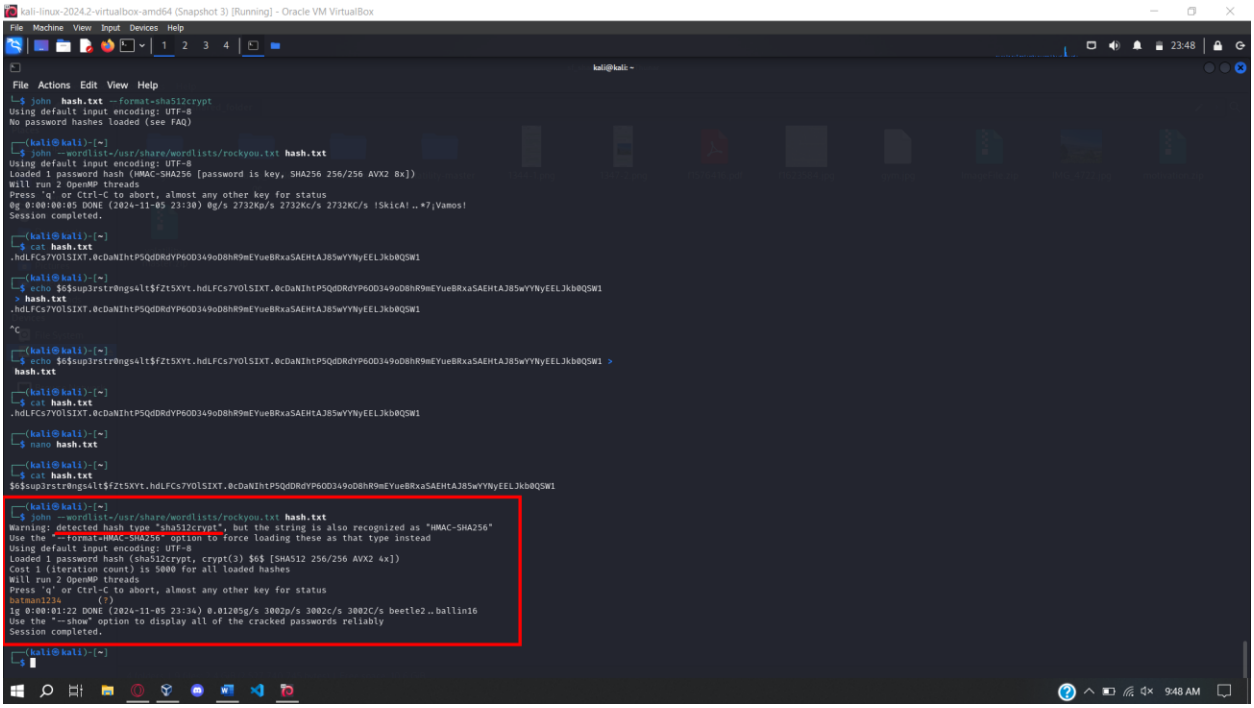
6 suggests that it is **sha512**

Salted value:

sup3rstr0ngs4lt

Password:

batman1234


kali-linux-2024.2-virtualbox-amd64 (Snapshot 3) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
kali@kali: ~
File Actions Edit View Help
└─$ john hash.txt --format=sha512crypt
Using default input encoding: UTF-8
No password hashes loaded (see FAQ)
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt hash.txt
Using default input encoding: UTF-8
Loaded 1 password hash (HMAC-SHA256 [password is key, SHA256 256/256 AVX2 8x])
Will run 2 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
0g 0:00:00:05 DONE (2024-11-05 23:30) 0g/s 2732Kp/s 2732Kc/s 2732KC/s !SkicA!..*7¡Vamos!
Session completed.
┌──(kali㉿kali)-[~]
└─$ cat hash.txt
.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1
┌──(kali㉿kali)-[~]
└─$ echo 6sup3rstr0ngs4lt$fZt5XYt.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1
> hash.txt
.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1
^C
┌──(kali㉿kali)-[~]
└─$ echo 6sup3rstr0ngs4lt$fZt5XYt.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1 >
hash.txt
┌──(kali㉿kali)-[~]
└─$ cat hash.txt
.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1
┌──(kali㉿kali)-[~]
└─$ nano hash.txt
┌──(kali㉿kali)-[~]
└─$ cat hash.txt
6sup3rstr0ngs4lt$fZt5XYt.hdLFCs7YOlSIXT.0cDaNIhtP5QdDRdYP6OD349oD8hR9mEYueBRxaSAEHtAJ85wYYNyEELJkb0QSW1
┌──(kali㉿kali)-[~]
└─$ john --wordlist=/usr/share/wordlists/rockyou.txt hash.txt
Warning: detected hash type "sha512crypt", but the string is also recognized as "HMAC-SHA256"
Use the "--format=HMAC-SHA256" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 1 password hash (sha512crypt, crypt(3) 6 [SHA512 256/256 AVX2 4x])
Cost 1 (iteration count) is 5000 for all loaded hashes
Will run 2 OpenMP threads
Press 'q' or Ctrl-C to abort, almost any other key for status
batman1234 (?)
1g 0:00:01:22 DONE (2024-11-05 23:34) 0.01205g/s 3002p/s 3002c/s 3002C/s beetle2..ballin16
Use the "--show" option to display all of the cracked passwords reliably
Session completed.
┌──(kali㉿kali)-[~]
└─$
23:48
9:48 AM