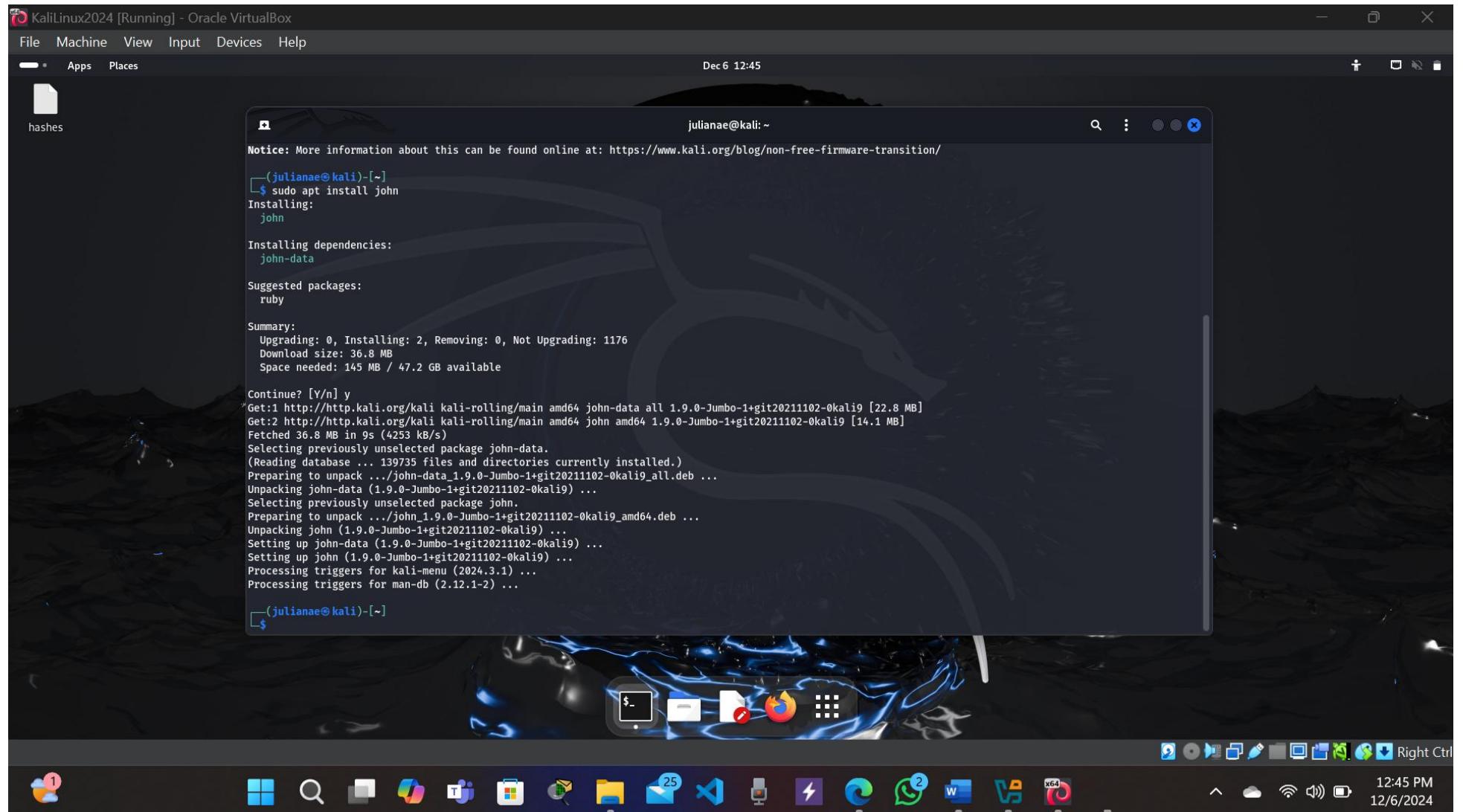


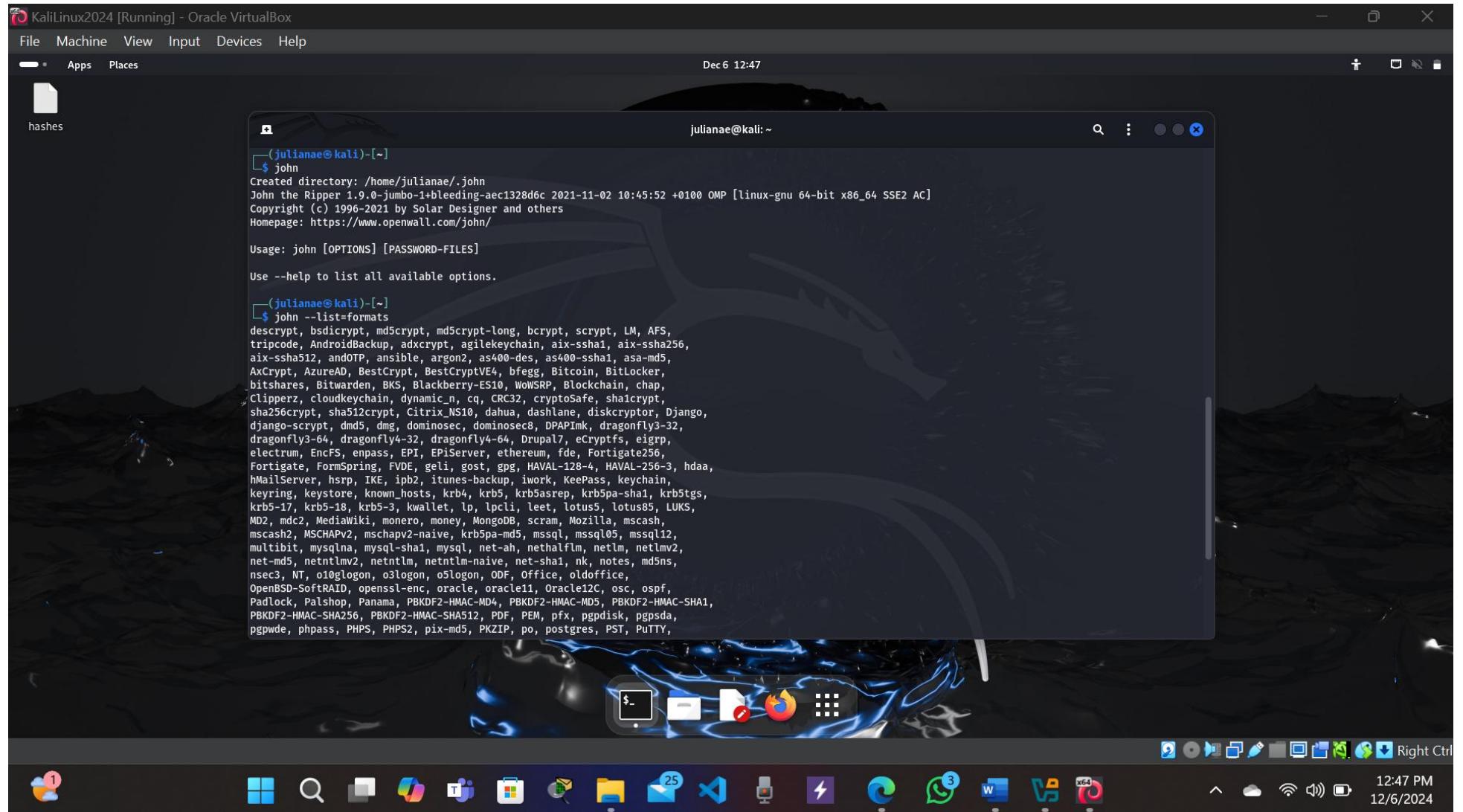
Juliana Elesinmogun

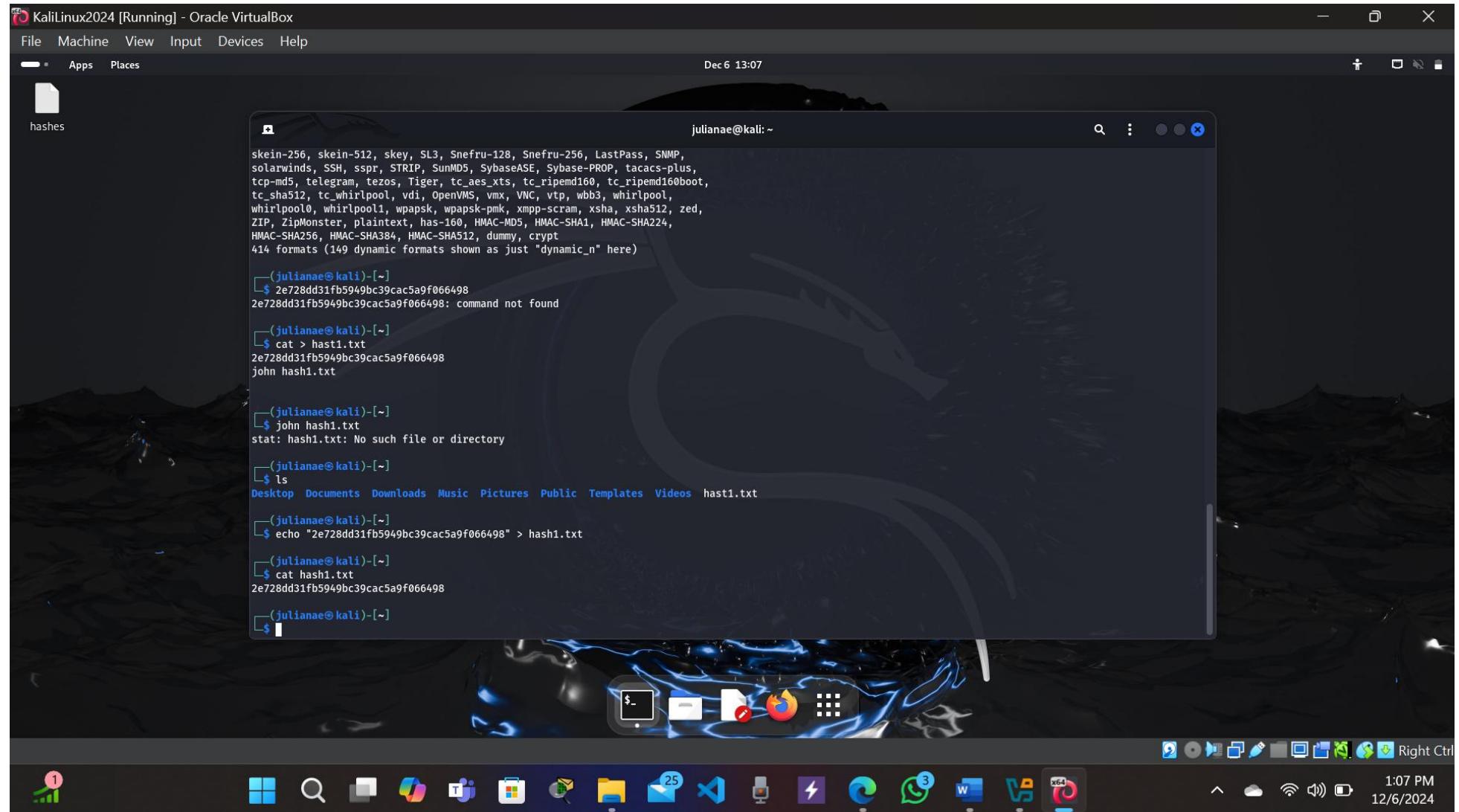
# John the Ripper

1. **Screenshots of the bold statements in each task.**
2. **The decrypted text from each of the files you decrypted**
2. **The Hash.txt file you created**
3. **The name of the person you sent your hash file to**
4. **The hash.txt details that you decrypted.**

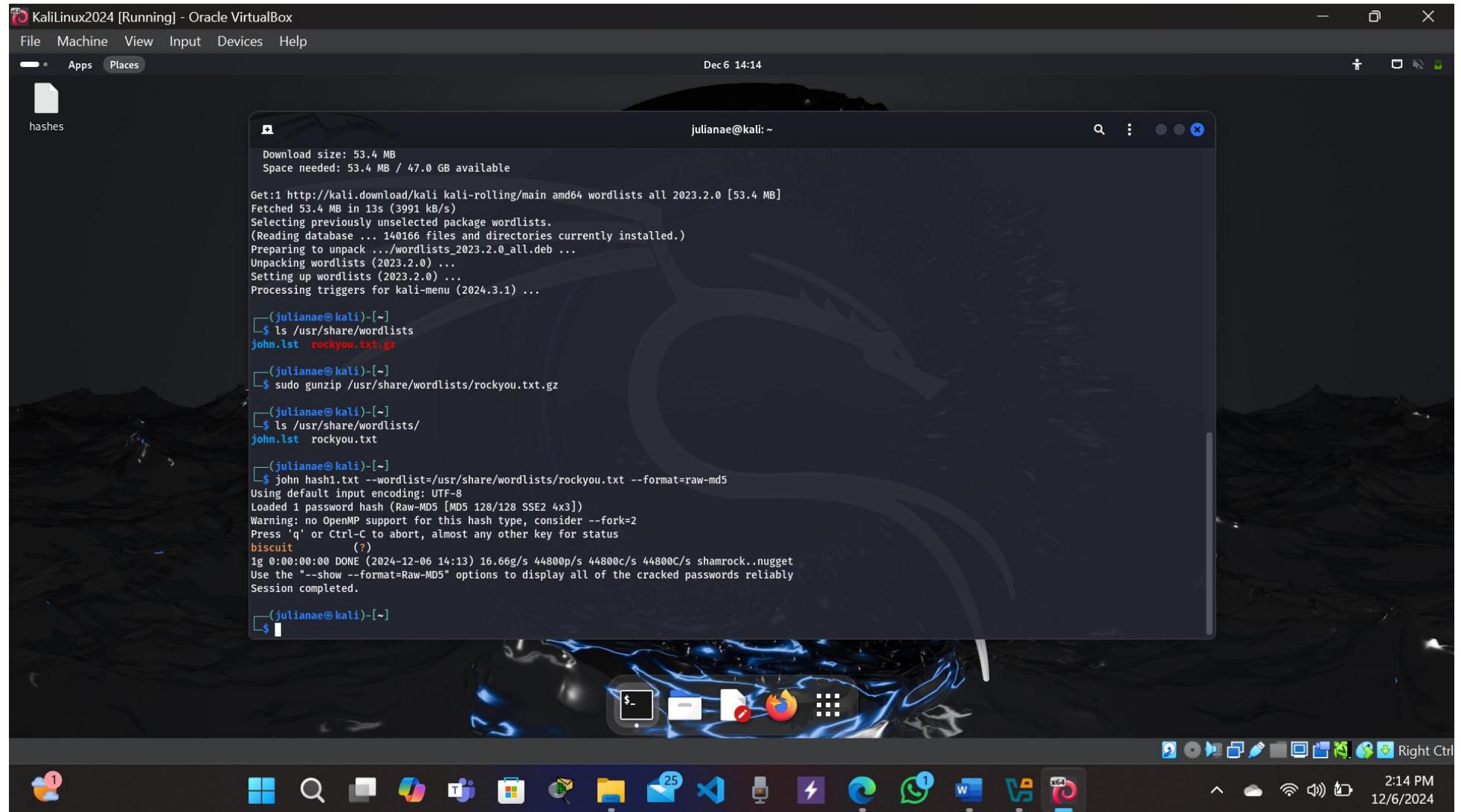
## Part 1











Analyse hash - CyberChef

[https://gchq.github.io/CyberChef/#recipe=Analyse\\_hash\(\)&input=MmU3MjhkZDMxZml1OTQ5YmMzOWNhYzVhOWYwNjY0OTg](https://gchq.github.io/CyberChef/#recipe=Analyse_hash()&input=MmU3MjhkZDMxZml1OTQ5YmMzOWNhYzVhOWYwNjY0OTg)

Download CyberChef

Last build: A month ago - Version 10 is here! Read about the new features here

Options About / Support

**Operations** 440

- ana
- Analyse hash**
- Defang IP Addresses
- Expand alphabet range
- AES Key Unwrap
- Argon2 compare
- Change IP format
- Standard Deviation
- Randomize Colour Palette
- Pseudo-Random Number Generator
- Raw Inflate
- Translate DateTime Format

**Recipe**

Analyse hash

**Input**

2e728dd31fb5949bc39cac5a9f066498

**Output**

Hash length: 32  
Byte length: 16  
Bit length: 128

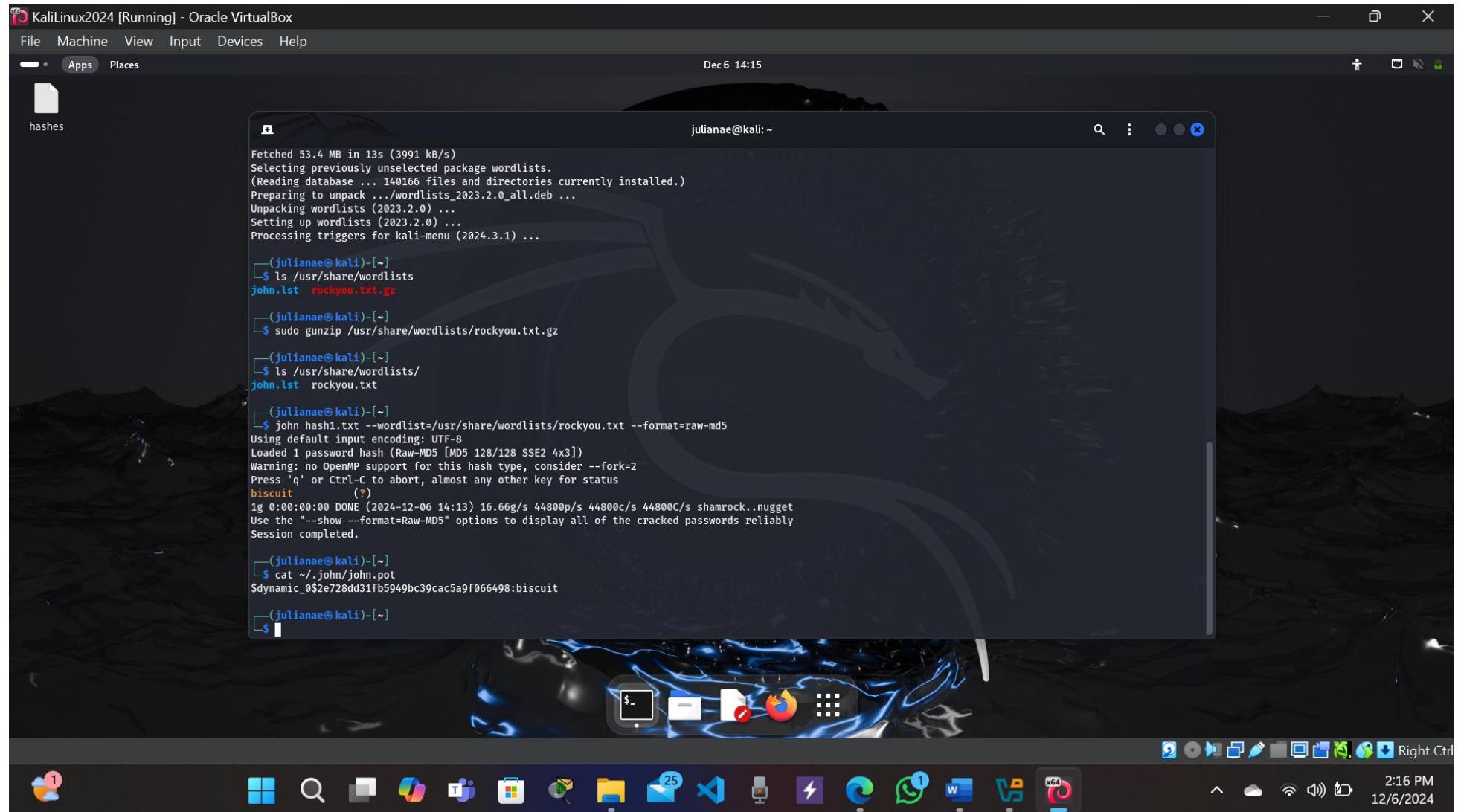
Based on the length, this hash could have been generated by one of the following hashing functions:

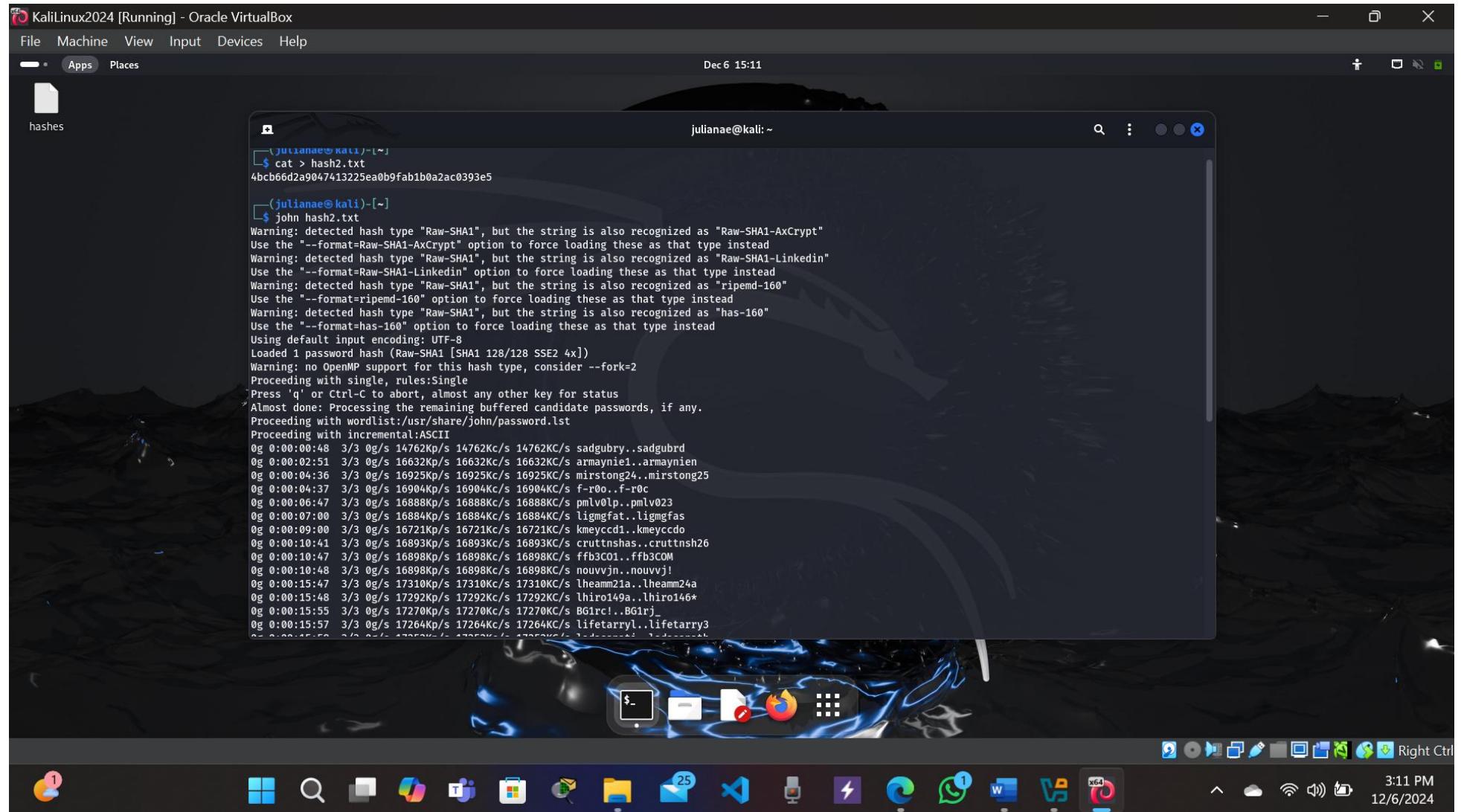
MD5  
MD4  
MD2  
HAVAL-128  
RIPEMD-128

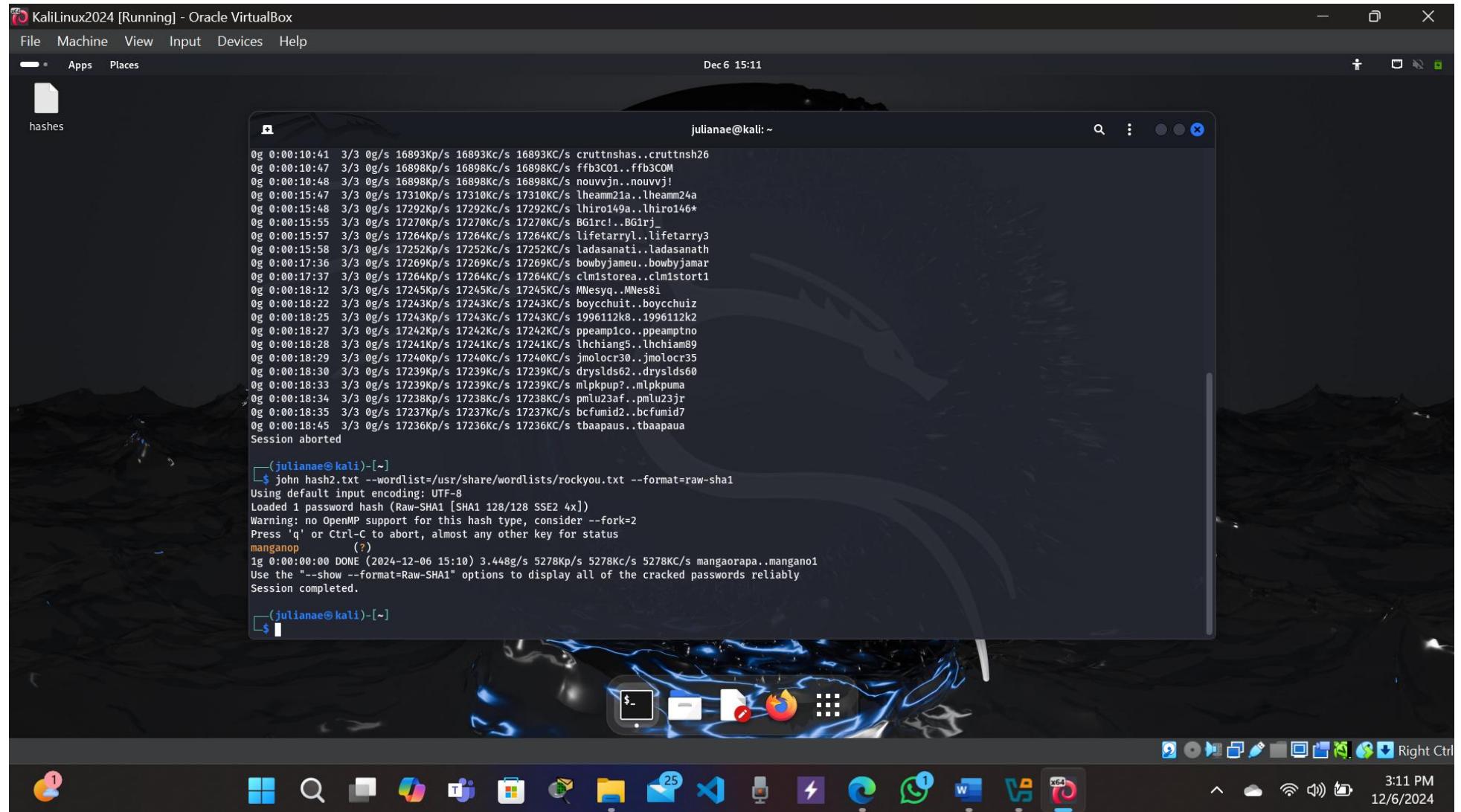
REC 32 REC 1  
REC 199 REC 12

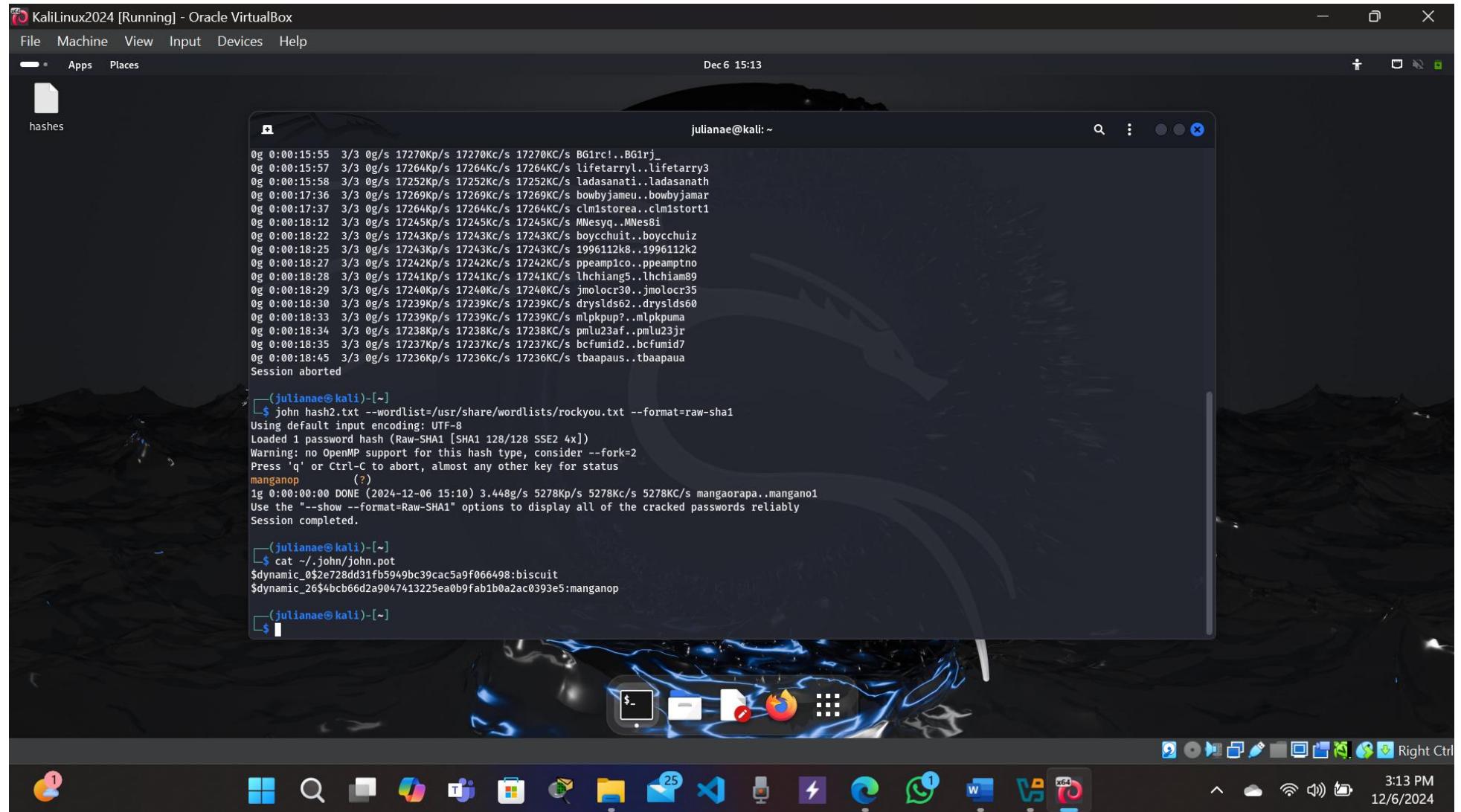
STEP Auto Bake

8ms REC Raw Bytes LF  
1:27 PM 12/6/2024









KaliLinux2024 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

Dec 6 15:27

Apps Places

hashes

```
julianae@kali: ~
0g 0:00:18:25 3/3 0g/s 17243Kp/s 17243KC/s 1996112k8..1996112k2
0g 0:00:18:27 3/3 0g/s 17242Kp/s 17242KC/s ppeampico..ppeamtno
0g 0:00:18:28 3/3 0g/s 17241Kp/s 17241KC/s 17241KC/s lhchiang5..lhchiang89
0g 0:00:18:29 3/3 0g/s 17240Kp/s 17240KC/s 17240KC/s jmolocr30..jmolocr35
0g 0:00:18:30 3/3 0g/s 17239Kp/s 17239KC/s 17239KC/s dryslds62..dryslds65
0g 0:00:18:33 3/3 0g/s 17239Kp/s 17239KC/s mlpkpum?..mlpkpuma
0g 0:00:18:34 3/3 0g/s 17238Kp/s 17238KC/s 17238KC/s pmlu23af..pmlu23jr
0g 0:00:18:35 3/3 0g/s 17237Kp/s 17237KC/s 17237KC/s bcfumid2..bcfumid7
0g 0:00:18:45 3/3 0g/s 17236Kp/s 17236KC/s 17236KC/s tbaapaus..tbaapaua
Session aborted

(julianae@ kali)-[~]
$ john hash2.txt --wordlist=/usr/share/wordlists/rockyou.txt --format=raw-sha1
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-SHA1 [SHA1 128/128 SSE2 4x])
Warning: no OpenMP support for this hash type, consider --fork=2
Press 'q' or Ctrl-C to abort, almost any other key for status
manganop          (?)
1g 0:00:00:00 DONE (2024-12-06 15:10) 3.448g/s 5278Kp/s 5278KC/s 5278KC/s mangaorapa..mangan01
Use the "--show --format=Raw-SHA1" options to display all of the cracked passwords reliably
Session completed.

(julianae@ kali)-[~]
$ cat ~/.john/john.pot
$dynamic_0$2e728dd31fb5949bc39cac5a9f066498:biscuit
$dynamic_2$4bcb66d2a9047413225ea0b9fab1b0a2ac0393e5:manganop

(julianae@ kali)-[~]
$ echo -n "JulianaElesinmogun" | md5sum | cut -d " " -f 1 > JulianaElesinmogun_hash1.txt

(julianae@ kali)-[~]
$ cat JulianaElesinmogun_hash1.txt
945afa26ac95a54cc229e1ee5ed3e0ce

(julianae@ kali)-[~]
$
```

Right Ctrl

3:27 PM  
12/6/2024

Part 2

**Submission:**

- A word document with

- Screenshots of the command statements in each task you used.
- The decrypted text from each of the files you decrypted
- The Hash.txt files you created

The screenshot shows a Kali Linux desktop environment. A terminal window is open, displaying the following command history:

```
(julianae㉿kali)-[~]
└$ sudo unshadow /etc/passwd > combined.txt
[sudo] password for julianae:
Created directory: /root/.john

(julianae㉿kali)-[~]
└$ john combined.txt
Using default input encoding: UTF-8
No password hashes loaded (see FAQ)

(julianae㉿kali)-[~]
└$ john --single --format=sha512crypt passwords.txt
stat: passwords.txt: No such file or directory

(julianae㉿kali)-[~]
└$
```

The desktop background features a dark, stylized dragon logo. The taskbar at the bottom contains icons for various applications, including a file manager, browser, and terminal. The system tray shows the date and time as 12/6/2024 and 3:57 PM.

KaliLinux2024 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

Dec 6 22:00

Apps Places

hashes

```
(julianae㉿kali)-[~]
$ echo "$6$rounds=5000$sqJNNTWV6YGw0.Fz4dWAJTj00NuSNrH95Unm478uJQT6rPGu/KULINxOZmQtceC004Q.PCSQoohA8XHJJx1" > testhash.txt

(julianae㉿kali)-[~]
$ john testhash.txt --format=sha512crypt --wordlist=/usr/share/wordlists/rockyou.txt
Using default input encoding: UTF-8
No password hashes loaded (see FAQ)

(julianae㉿kali)-[~]
$ cat testhash.txt
=5000.Fz4dWAJTj00NuSNrH95Unm478uJQT6rPGu/KULINxOZmQtceC004Q.PCSQoohA8XHJJx1

(julianae㉿kali)-[~]
$ ls /usr/share/wordlists/
john.lst rockyou.txt

(julianae㉿kali)-[~]
$ sudo apt install wordlists
[sudo] password for julianae:
Sorry, try again.
[sudo] password for julianae:
wordlists is already the newest version (2023.2.0).
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1176

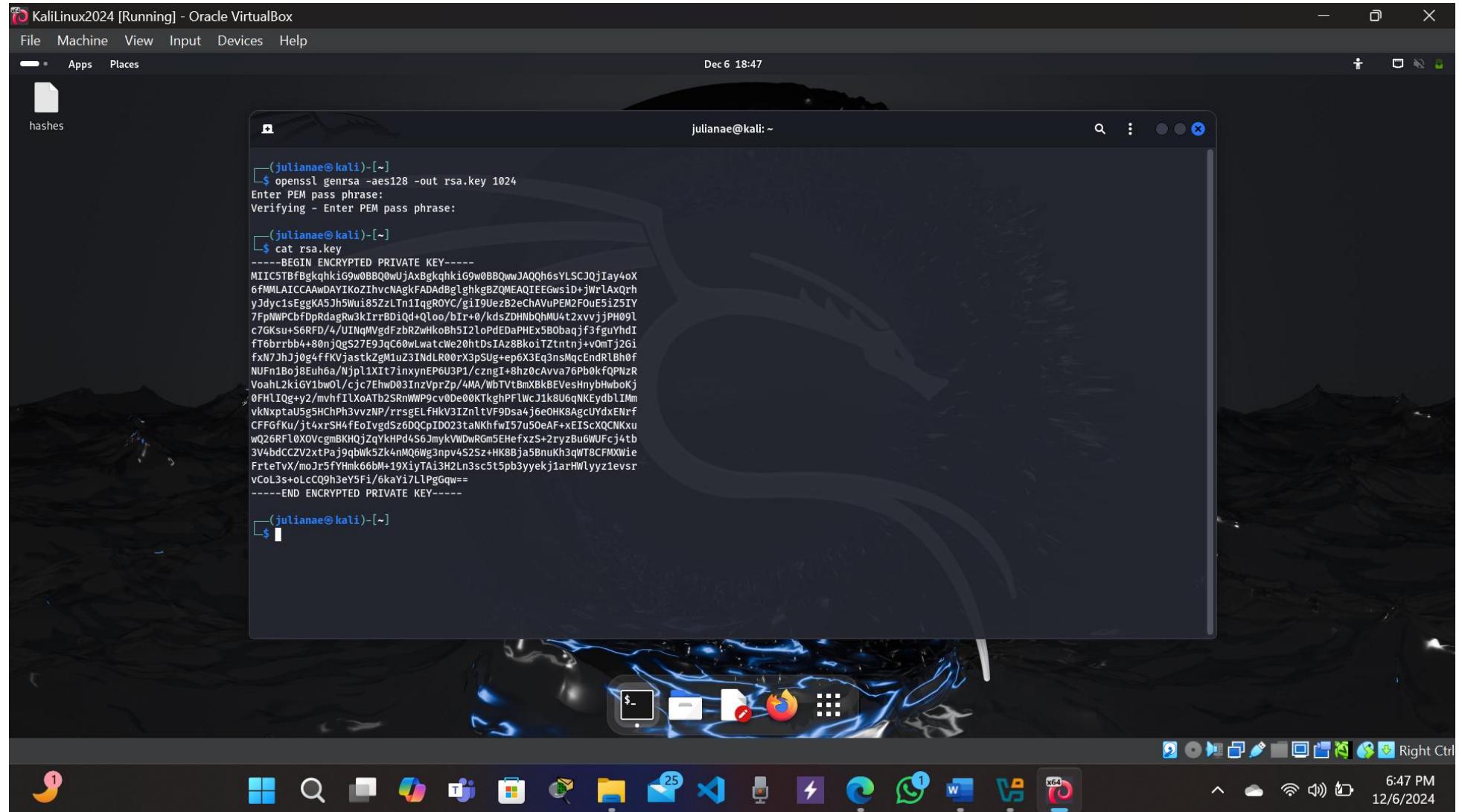
(julianae㉿kali)-[~]
$ john --verbosity=4 testhash.txt --format=sha512crypt --wordlist=/usr/share/wordlists/rockyou.txt
Using default input encoding: UTF-8
No password hashes loaded (see FAQ)

(julianae㉿kali)-[~]
$ cat ~/.john/john.pot
cat: /home/julianae/.john/john.pot: No such file or directory

(julianae㉿kali)-[~]
$
```

Right Ctrl

1 10:00 PM  
12/6/2024





Part 3

KaliLinux2024 [Running] - Oracle VirtualBox

File Machine View Input Devices Help

Dec 6 22:34

julianae@kali: ~

```
(julianae㉿kali)-[~]
$ openssl genrsa -aes128 -out rsa.key 1024
Enter PEM pass phrase:
Verifying - Enter PEM pass phrase:
(julianae㉿kali)-[~]
$ cat rsa.key
-----BEGIN ENCRYPTED PRIVATE KEY-----
MIIC5TBFBgkqhkIG9w0BBQ0w/jAxBgkqhkiG9w0BBQwwJAAQQisqnNhTzP2UERFBM
rkNDAICCAAwDAYKoZIhvNAGkFADAdBglghkgBZOMEAOIEEBn/pb3YTzEHQrb
VYfatNkEggKA/I3szgTkv6S3/ettCNZ3PvFIRHu0NQ2mPiteiYt/aokJE0kJmqp0
jKP9w18FqLz4JA3idis/tiH6sygBwrdJ1tZK0nxCJkvtT6se6dZBmFsbfI2Zv3s
h0QZf7NWJDrbrrnngcehFLEW8xF118xyY4sI41+dnUy6bDQ2v/DzW4l0UKawrAn2
Jnjc+PceesgHSlx+cafz6s03hRoE90DQnD14ufrQ9HK9kQHJ07e/is+DbDPjZhi
nMgiVnlzen0XP9CDFz0+QlKJkhxOrAuStI22ex0PxSCDFFFJGL4KhJUMruucxK30
DuyfQ7iuF50AwlCSYEBG39lyIH6ZYde/op2SEvFUKXJDhZQ1g0YuFbT9nPTE9+pD
C+samCE03os60Bj1SEUVGWk+JutKz4Rk97iv9PmWVeJF3e8waqZpowerlyRPvbj/f
p1m3BI0dvHwcJIZ0kPNskY9+yH24jgJiy4BMt+nsWJRkjgghpz5ntyqv92qm6gf4
00xuR1pNutsU4c40gc0CY4cVgPI4qR8xlsxDmCoWAp7ZUyrmS1MwuCIodZQ4h+
5HPopN30fc3T1NzyisKrzBhvpxwvCwMoi4hanqp8Ggc40KVHNlk7DaAjvoEAmj
5UneJbwCap08AdqjpAfynKGPTTjwaLTB89ACss1AnsAzb+TnREQLcm7DsJ0+rVr
0PR8onGjkAUv0/PxU2pVueqbMS54q+sKWiVMDKoKe/jdvCz0Gdr1YlaJyVGHmbf
1mHNL+jyEBhcyX51+5h5JzEAJtwk1XKw6bo3mOfqlL2He3U05UbLDBALkpxWmZk
fp90VYTivQSJH3mqKnXo17AzjidI2FQytA=#
-----END ENCRYPTED PRIVATE KEY-----
```

\$

Right Ctrl

10:34 PM  
12/6/2024