

Cognizance Task-5

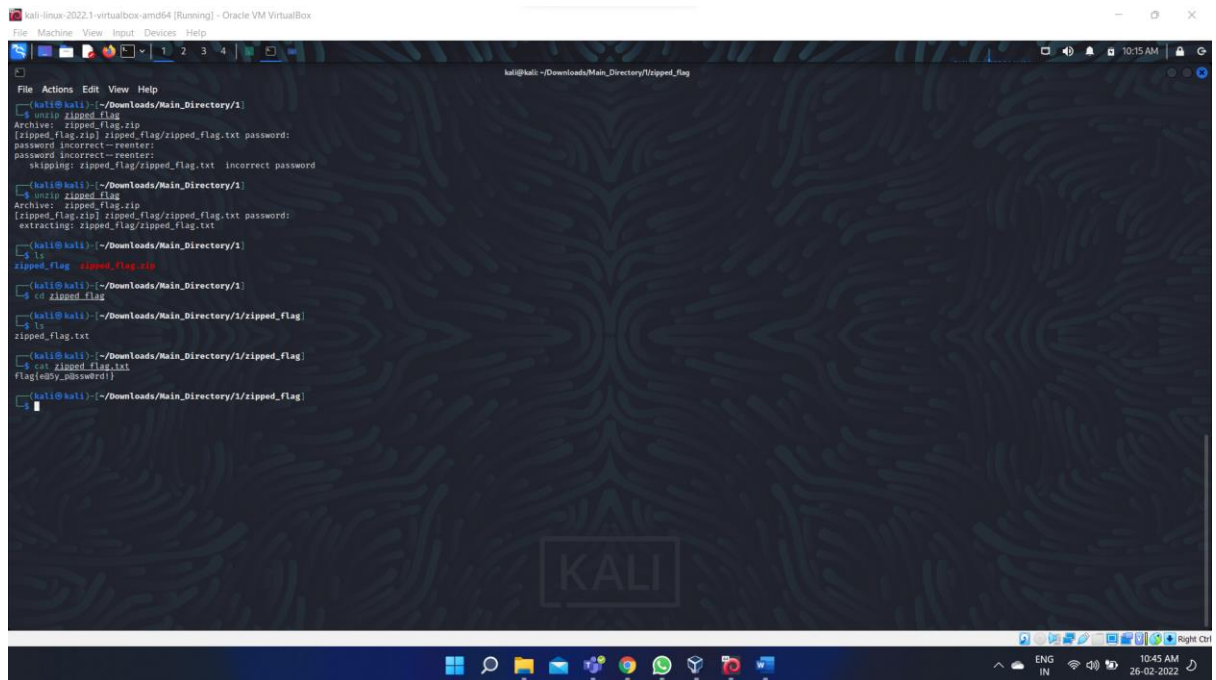
Part -1

List of flags

1. flag{e@5y_p@ssw0rd!}
2. flag{gr3p_f1nds_fl@gs!}
3. flag{h1dden_fil3!}
4. flag{t3xt_15_n0t_h1dd3n!}
5. flag{m3ow_m3ow_cat!}
6. flag{3x3cut10n_d0ne!}
7. flag{t@c-15-fun!}
8. flag{f1rst_fl@g_h3r3}
9. flag{d1ff-comm@nd15-u53ful!}
10. flag{Y0u_f0und_th3_hidd3n_dir!}
11. flag{Y0u_f0und_m3!}

Flag Screenshots

1. flag{e@5y_p@ssw0rd!}



```
kali@kali: ~/Downloads/Main_Directory/1
$ unzip zipped_flag
Archive:  zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
password incorrect--reenter:
password incorrect--reenter:
skipping: zipped_flag/zipped_flag.txt  incorrect password

kali@kali: ~/Downloads/Main_Directory/1
$ unzip zipped_flag
Archive:  zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
extracting: zipped_flag/zipped_flag.txt

kali@kali: ~/Downloads/Main_Directory/1
$ ls
zipped_flag  zipped_flag.zip

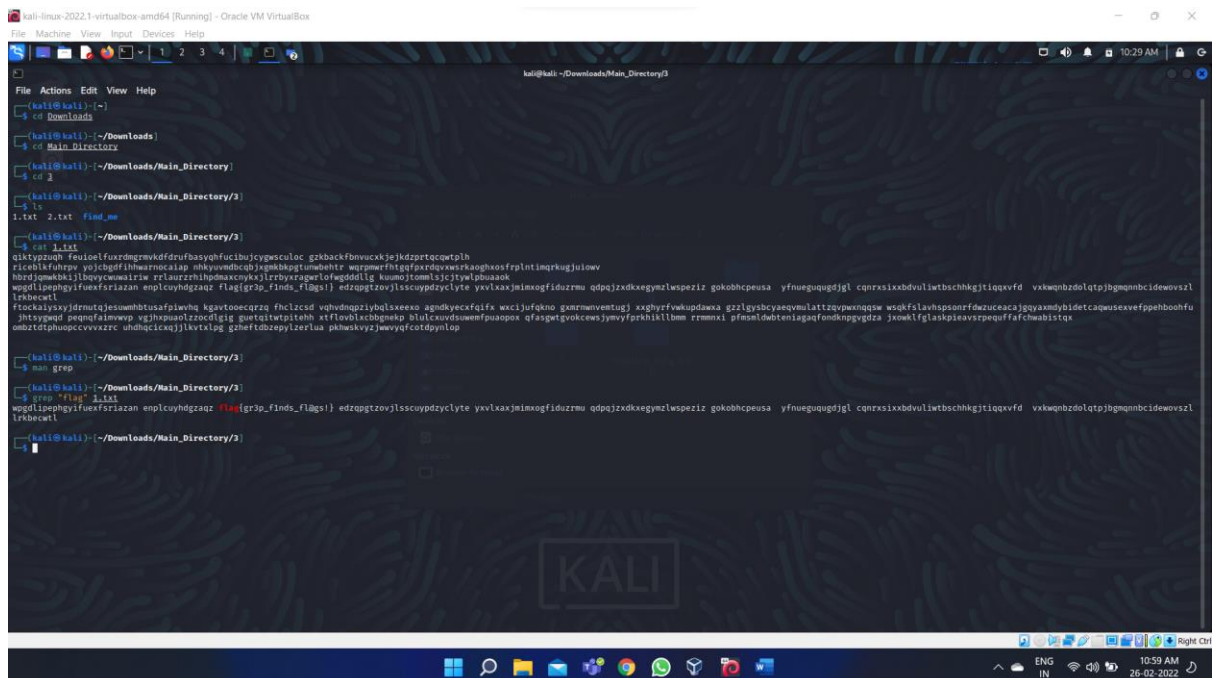
kali@kali: ~/Downloads/Main_Directory/1
$ cd zipped_flag

kali@kali: ~/Downloads/Main_Directory/1/zipped_flag
$ ls
zipped_flag.txt

kali@kali: ~/Downloads/Main_Directory/1/zipped_flag
$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}

kali@kali: ~/Downloads/Main_Directory/1/zipped_flag
```

2. flag{gr3p_f1nds_fl@g\$!}



```
kali@kali: ~/Downloads/Main_Directory/3
$ cd Downloads

kali@kali: ~/Downloads
$ cd Main_Directory

kali@kali: ~/Downloads/Main_Directory
$ cd 3

kali@kali: ~/Downloads/Main_Directory/3
$ ls
1.txt  2.txt  find_me

kali@kali: ~/Downloads/Main_Directory/3
$ cat 1.txt
qiktyzqgh feuloelfuxrdgrmkvdfdrufasyqhfucihujcygaculoc gkbackfbnvuckjejkdrptcqtph
zicbklfahprv pojbgdfihmarozsiaz nhyvumdcqbjegmbaggtmeahtr wsrpwrhbgqfprxdvvsraaghsfrpntimrkugjuinv
hardjymakbkljbovyawmalriw rrlaurzrhphomaxcnyxjlrbyragerlofagoddlig kumojtoml5jcljwlpouaak
wgdlipephgjfuexfsrizanz enpucyhdgzaq flag{gr3p_f1nds_fl@g$!} edzqptzovjlsscuydzycltye yxvlxajmxogfiduzrm qdpqjzdxkxegynlwspeziz gokobhcepsa yfnueguqugdjgl cqrnsixxbvulwtbschhkgjtiquxvfd vkwqnbzdlqtpjbgmqnbcidewovszl
lrkbecwl

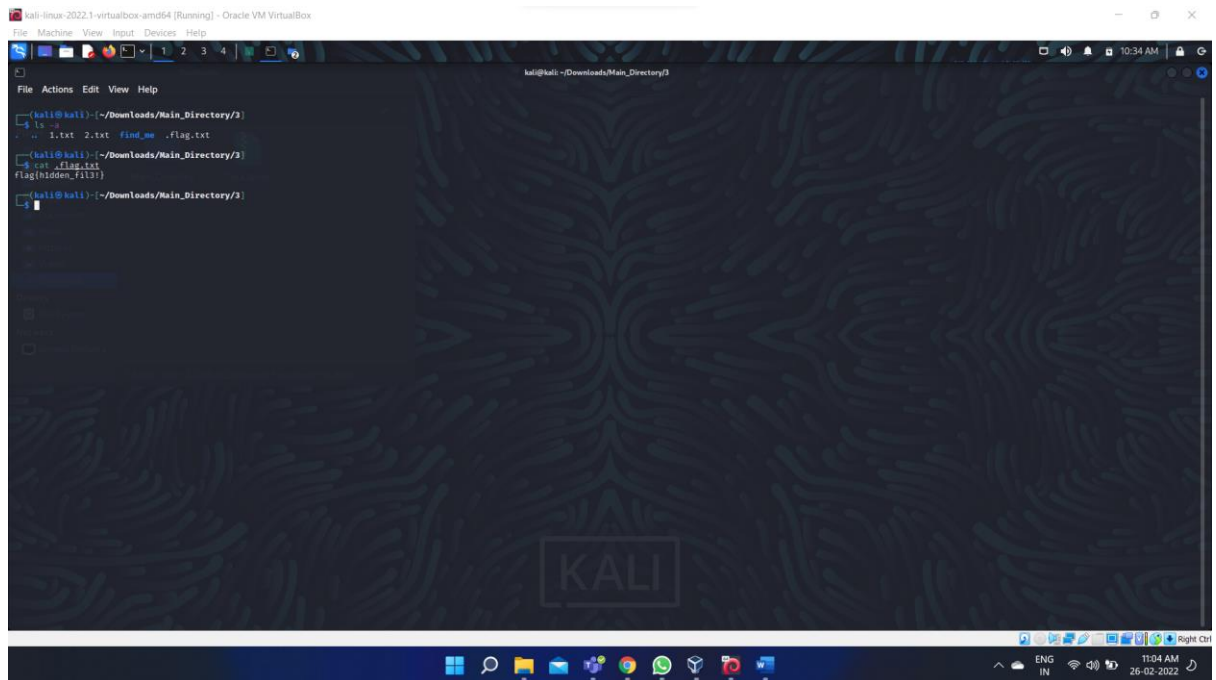
flockaiiyvjdrmtogjesumhbtsufplwqh kgavtoecqrzq fhclzcd vqhdnqziyblqslxeexo agndkyeckqfgr wxcijufkno gxmnmventugj xghyrfvwkupdawa gzilgybcyaeqvmulattzqpwqnqsw wsdqfslxhspsonrfduzeacajgyaxmbybidetcaqusexvefpehboohfu
yhtsyged paeqnfaimwop vqjhpusalzozcdigis guetaitetpiteh xtlvblxkbngxk blutcuvsdswmfpaopox qfasgtvokcewsjymvfrpkhiklbn rrmxki pfmslndwbteniagafondkngpygdza jxowlfglaskpieavsrpequffafchwabistq
onoztdtphuoecvavazre uhndqicacjllkxslag ghefidbzpyizerlua phawekvyjwvyqfctdgnlap

kali@kali: ~/Downloads/Main_Directory/3
$ man grep

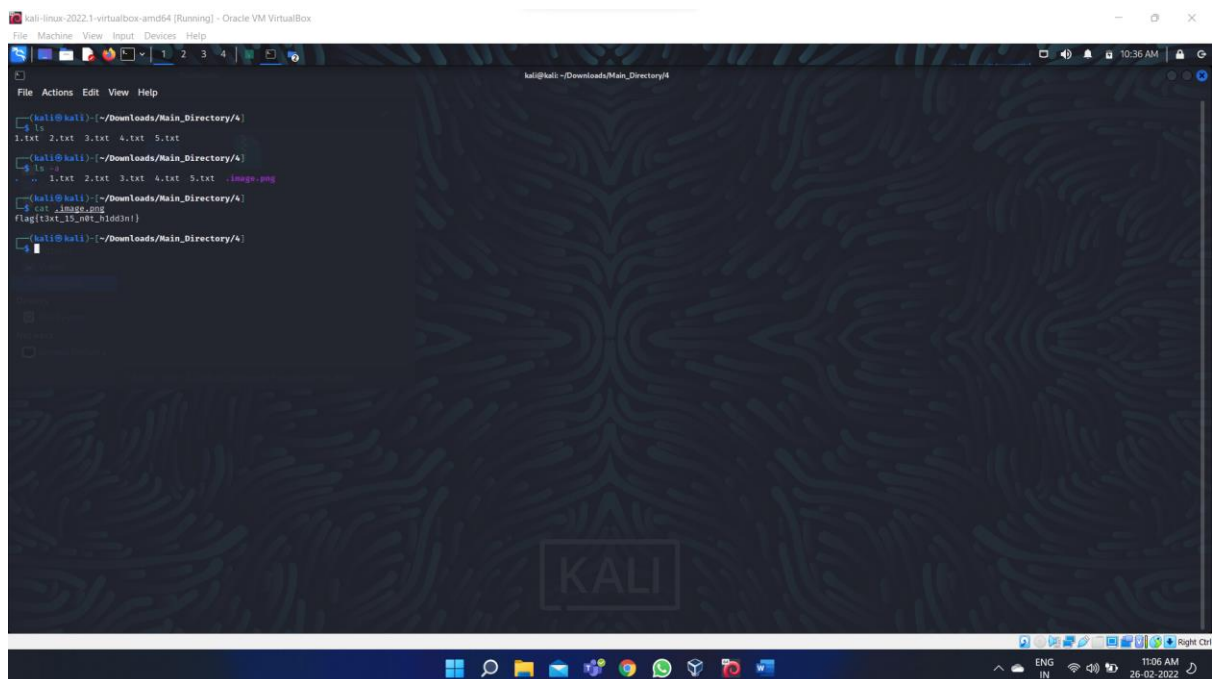
kali@kali: ~/Downloads/Main_Directory/3
$ grep "flag" 1.txt
wgdlipephgjfuexfsrizanz enpucyhdgzaq flag{gr3p_f1nds_fl@g$!} edzqptzovjlsscuydzycltye yxvlxajmxogfiduzrm qdpqjzdxkxegynlwspeziz gokobhcepsa yfnueguqugdjgl cqrnsixxbvulwtbschhkgjtiquxvfd vkwqnbzdlqtpjbgmqnbcidewovszl
lrkbecwl

kali@kali: ~/Downloads/Main_Directory/3
```

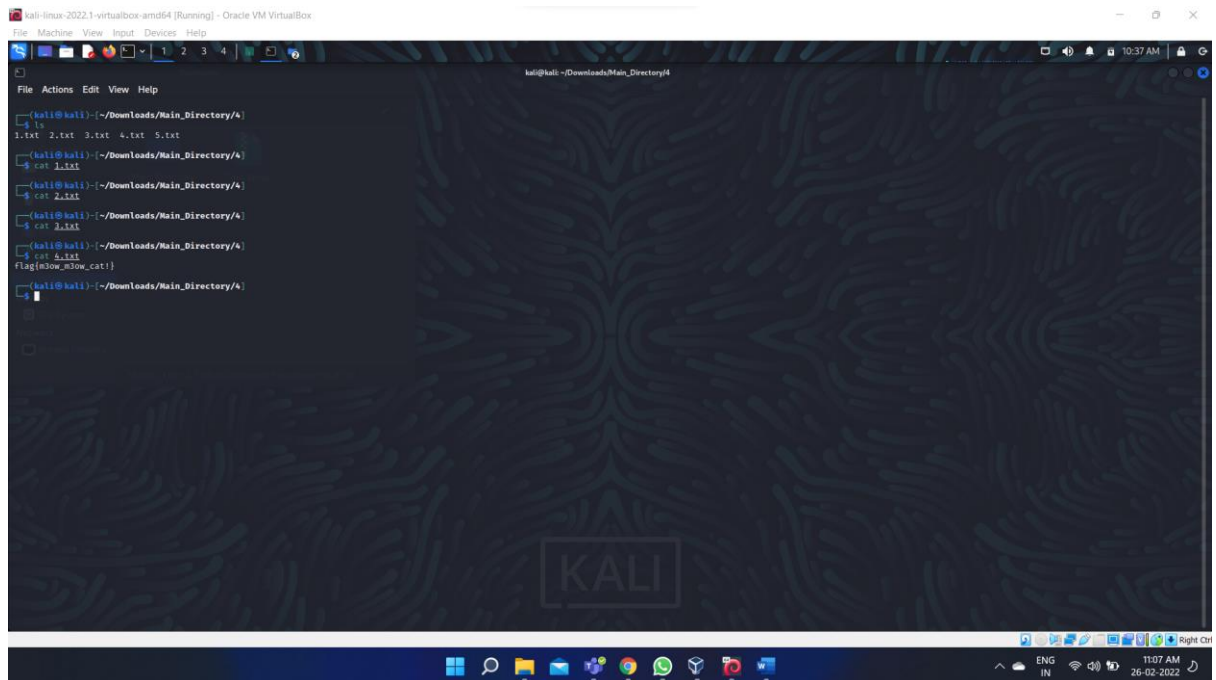
3. flag{h1dden_fil3!}



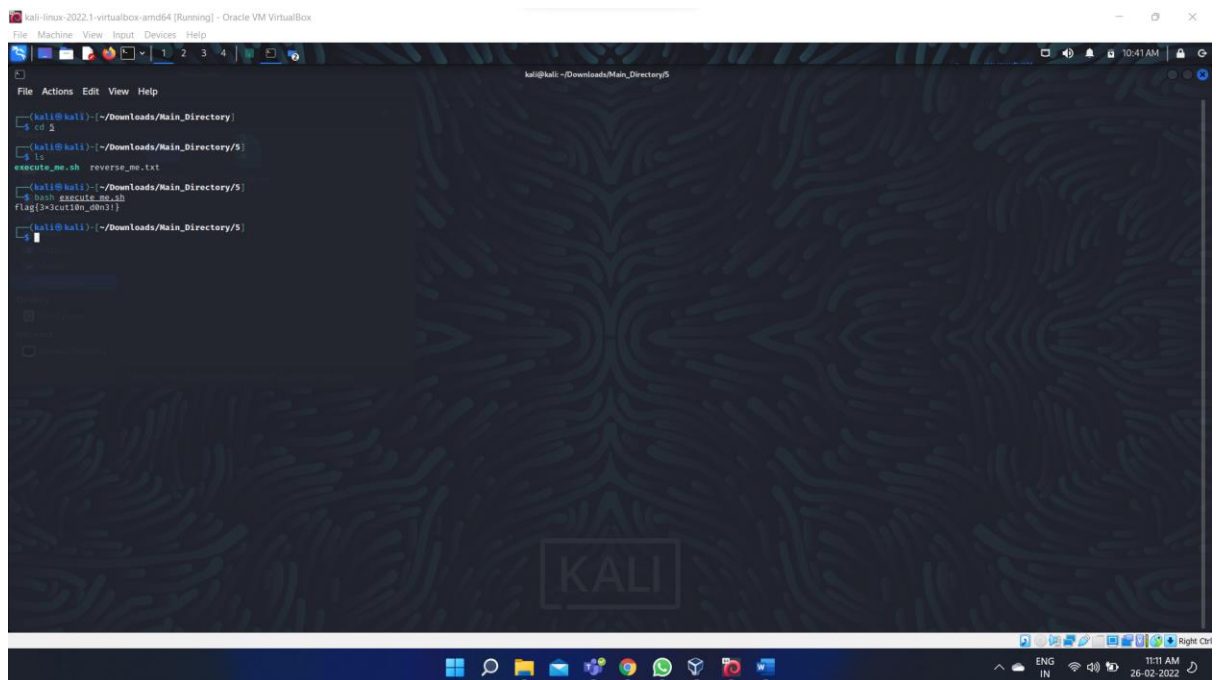
4. flag{t3xt_15_n0t_h1dd3n!}



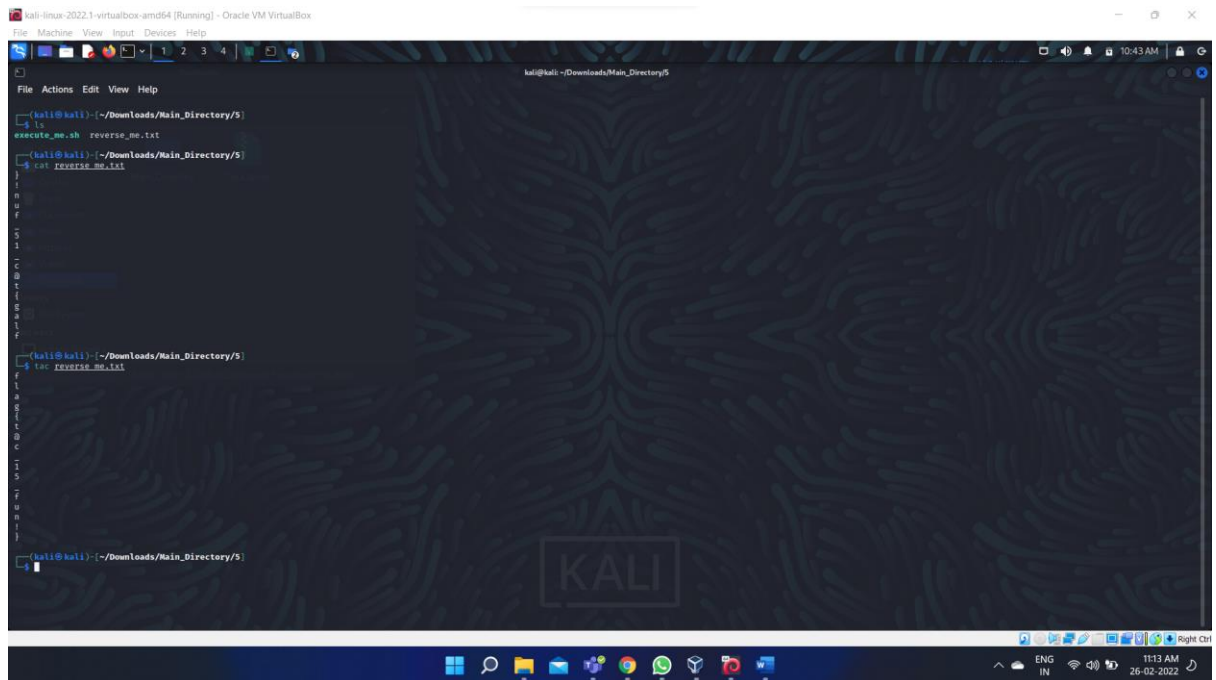
5. flag{m3ow_m3ow_cat!}



6. flag{3x3cut10n_d0ne!}



7. flag{t@c-15-fun!}

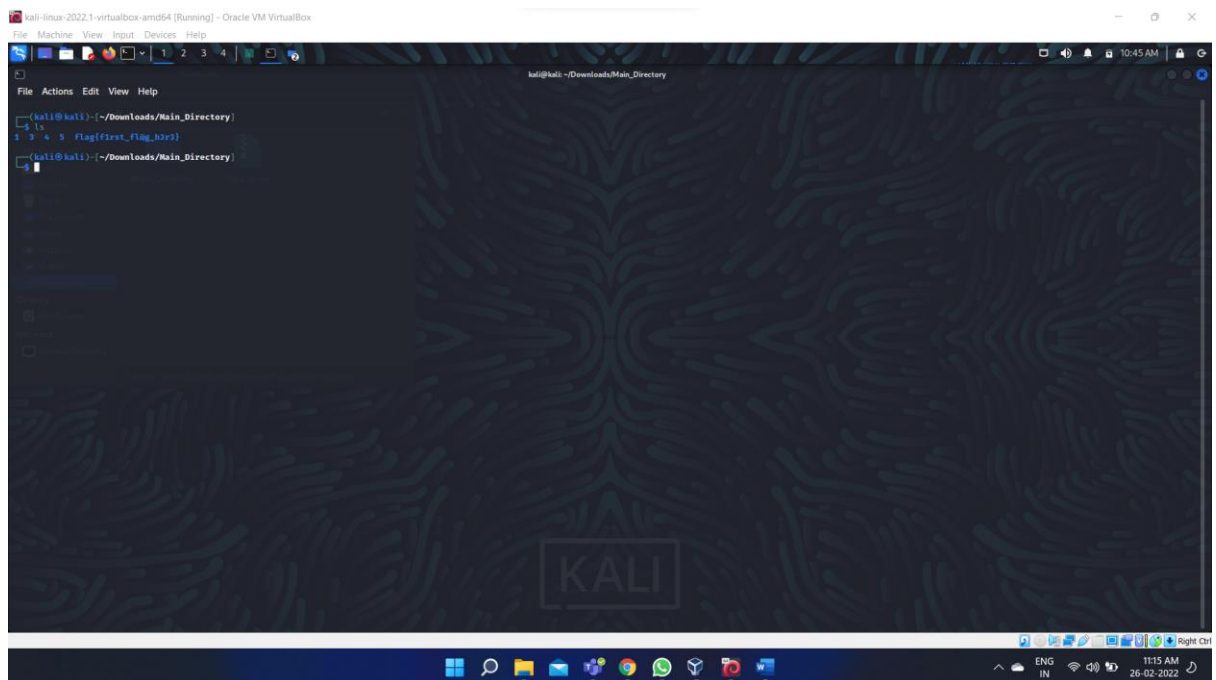


The screenshot shows a Kali Linux terminal window titled "kali-linux-2022.1-virtualbox-amd64 [Running] - Oracle VM VirtualBox". The terminal is running a script named "reverse_me.sh" in the directory "/Downloads/Main_Directory/5". The script's output is as follows:

```
(kali@kali)-[~/Downloads/Main_Directory/5]
└─$ ls
└─$ ./reverse_me.sh
└─$ cat reverse_me.txt
t@c-15-fun!
└─$ tar reverse_me.txt
└─$
```

The terminal background features a dark blue pattern with the word "KALI" in the center. The window's taskbar at the bottom shows various application icons and system status information, including the time 11:13 AM and date 26-02-2022.

8. flag{f1rst_fl@g_h3r3}



The screenshot shows a Kali Linux terminal window titled "kali-linux-2022.1-virtualbox-amd64 [Running] - Oracle VM VirtualBox". The terminal is running a script in the directory "/Downloads/Main_Directory". The script's output is as follows:

```
(kali@kali)-[~/Downloads/Main_Directory]
└─$ ls
└─$ ./flag(first_flag_h3r3)
└─$
```

The terminal background features a dark blue pattern with the word "KALI" in the center. The window's taskbar at the bottom shows various application icons and system status information, including the time 11:15 AM and date 26-02-2022.

9. flag{d1ff-comm@nd15-u53ful!}

A screenshot of a Kali Linux virtual machine running Oracle VM VirtualBox. The terminal window shows the following commands and output:

```
kali@kali:~/Downloads/Main_Directory$  
ls  
execute_me.sh reverse_me.txt  
kali@kali:~/Downloads/Main_Directory$  
ls  
- - .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt  
kali@kali:~/Downloads/Main_Directory$  
diff <compare_me1.txt <compare_me2.txt  
83c83  
---  
> 2  
172c173  
+ 1  
---  
> 2  
340c340  
---  
> 2  
631c631  
+ 0  
---  
> 2  
585c585  
---  
> 2  
691d690  
665c664,665  
+ 1  
---  
> 2  
> 2  
769c769  
---  
> 2  
874c876  
+ 1  
---  
> 2  
938c938  
---  
> 2  
1398d1399  
+ 2
```


The terminal has a dark blue background with a large, faint "KALI" logo in the center. The top of the screen shows the Oracle VM VirtualBox interface with various icons and system information like "11:18 AM" and "26-02-2022". The bottom of the screen shows the Windows taskbar with several application icons.

10. flag{Y0u_f0und_th3_hidd3n_dir!}

```

kali-linux-2022.1-virtualbox-amd64 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
kali@kali:~/Downloads/Main_Directory/1
File Actions Edit View Help
kali@kali:~/Downloads/Main_Directory/1
ls -la
drwxr-xr-x 3 kali kali 4096 Feb 26 11:52 .
drwxr-xr-x 3 kali kali 4096 Feb 26 11:52 ..
drwxr-xr-x 2 kali kali 4096 Feb 26 11:52 flag[Vba_found_this_hidden_dir]
-rw-r--r-- 1 kali kali  100 Feb 26 11:52 zipped_flag
-rw-r--r-- 1 kali kali  100 Feb 26 11:52 zipped_flag.zip

```

11. flag{Y0u_f0und_m3!}

[illegible]

Command Screenshots

- whoami

```
(kali㉿kali)-[~/Downloads]
$ whoami
kali
```

- hostname

```
(kali㉿kali)-[~/Downloads]
$ hostname
kali
```

- date

```
(kali㉿kali)-[~/Downloads]
$ date
Sat Feb 26 01:53:00 AM EST 2022
```

- time

```
(kali㉿kali)-[~/Downloads]
$ time
real    5306.33s
user    4.96s
sys     2.12s
cpu     0%

real    5306.33s
user    1.23s
sys     0.26s
cpu     0%
```

- clear

```
File  Actions  Edit  View  Help
(kali㉿kali)-[~/Downloads]
$
```

- pwd

```
(kali㉿kali)-[~/Downloads]
$ pwd
/home/kali/Downloads
```

- ls

```
(kali㉿kali)-[~/Downloads/Main_Directory]
$ ls
1 3 4 5 flag{f1rst_fl@g_h3r3}
```

- cd

```
(kali㉿kali)-[~/Downloads]
$ cd Test

(kali㉿kali)-[~/Downloads/Test]
$ cd ..
```

- mkdir

```
(kali㉿kali)-[~/Downloads]
$ mkdir Test

(kali㉿kali)-[~/Downloads]
$ cd Test
```

- rmdir

```
(kali㉿kali)-[~/Downloads]
$ rmdir Test2
```

- rm

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory]
$ ls
3 4 5 flag{f1rst_fl@g_h3r3} Testfile.tst

(kali㉿kali)-[~/Downloads/Test/Main_Directory]
$ rm Testfile.tst

(kali㉿kali)-[~/Downloads/Test/Main_Directory]
$ ls
3 4 5 flag{f1rst_fl@g_h3r3}
```

- touch

```
(kali㉿kali)-[~/Downloads/Test]
$ touch Testfile.tst

(kali㉿kali)-[~/Downloads/Test]
$ ls
Main_Directory Testfile.tst
```

- cp

```

(kali㉿kali)-[~/Downloads]
$ cp Main_Directory -r Test

(kali㉿kali)-[~/Downloads]
$ cd Test

(kali㉿kali)-[~/Downloads/Test]
$ ls
Main_Directory

```

- mv

```

(kali㉿kali)-[~/Downloads/Test]
$ mv Testfile.tst Main_Directory

(kali㉿kali)-[~/Downloads/Test]
$ cd Main_Directory

(kali㉿kali)-[~/Downloads/Test/Main_Directory]
$ ls
3 4 5 flag{first_flg@h3r3} Testfile.tst

```

- find

```

(kali㉿kali)-[~/Downloads/Test/Main_Directory]
$ find 3
3
3/find_me
3/find_me/1
3/find_me/1/2
3/find_me/1/2/3
3/find_me/1/2/3/4
3/find_me/1/2/3/4/5
3/find_me/1/2/3/4/5/6
3/find_me/1/2/3/4/5/6/7
3/find_me/1/2/3/4/5/6/7/8
3/find_me/1/2/3/4/5/6/7/8/flag.txt.txt
3/find_me/1/2/3/4/password_for_zip.txt
3/1.txt
3/.flag.txt
3/2.txt

```

- man

```

GNU(1) User Commands
NAME
GNU diff - compare files line by line
SYNOPSIS
diff [OPTION]... FILES
DESCRIPTION
Compare FILES line by line.
Mandatory arguments to long options are mandatory for short options too.
--normal
output a normal diff (the default)

```

- echo

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory]
$ echo Hello World
Hello World
```

- cat

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
$ cat 1.txt
qiktypzuqh feuiouelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculo
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmbcqbjsxgmkbkpg
v
hbrdjmwmkbkijlbqvycwuwairiw rrlaurzrhthpdmxcnykxjlrrbyxr
```

- head

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
$ head 1.txt
qiktypzuqh feuiouelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculo
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmbcqbjsxgmkbkpg
v
hbrdjmwmkbkijlbqvycwuwairiw rrlaurzrhthpdmxcnykxjlrrbyxr
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_
```

- tail

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
$ tail 1.txt
qiktypzuqh feuiouelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculo gzkbackfbnvucxkjejkdzprtqcqw
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmbcqbjsxgmkbkpgtunwbehtr wqrpwmwrfhtgqfpxrdqvx
v
hbrdjmwmkbkijlbqvycwuwairiw rrlaurzrhthpdmxcnykxjlrrbyxragswrlfowgdddlg kuumojtommlsjc
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlsscuydpdzye
dpqjzxdkxegymzlspeziz gokobhcpeusa yfnueguqugdjgl cqnrxsxxbdvuliwtbschhkgjtiqqxvfd
```

- grep

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
$ grep "flag" 1.txt
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlsscuydpdzye yxvlxaxjmimxogfiduzrmu q
dpqjzxdkxegymzlspeziz gokobhcpeusa yfnueguqugdjgl cqnrxsxxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdoqtqbjbgmqnnbcidewov
szllrkbecwtl
```

- diff

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/5]
$ diff .compare_me1.txt .compare_me2.txt
83c83
< f
---
> z
173c173
< l
---
> z
```

- sudo

```
(kali㉿kali)-[~]
$ sudo -u root whoami
[sudo] password for kali:
root
```

- df

```
(kali㉿kali)-[~]
$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
udev             971040         0     971040   0% /dev
tmpfs            202920         940     201980   1% /run
/dev/sda1       81000912 10062628  66777672  14% /
tmpfs           1014588         0     1014588   0% /dev/shm
tmpfs             5120          0         5120   0% /run/lock
tmpfs           202916         72     202844   1% /run/user/1000
```

- du

```
(kali㉿kali)-[~]
$ du
4   ../gnupg/private-keys-v1.d
8   ../gnupg
8   ../java/.userPrefs/burp
12  ../java/.userPrefs
16  ../java
4   ../Templates
4   ../Music
4   ../Videos
12  ../local/state/pipewire/media-session.d
16  ../local/state/pipewire
20  ../local/state
4   ../local/share/Mousepad
4   ../local/share/xistretto
```

- zip, unzip

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/1]
$ unzip zipped_flag
Archive:  zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
replace zipped_flag/zipped_flag.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
extracting: zipped_flag/zipped_flag.txt
```

- chmod

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/1]
$ chmod u=rwx,g=rx,o=r zipped_flag
```

- apropos

```
(kali㉿kali)-[~/Downloads/Test/Main_Directory/1]
$ apropos email
sendEmail (1) - Lightweight, command line SMTP email client
git-check-mailmap (1) - Show canonical names and email addresses of contacts
gpgparsemail (1) - Parse a mail message into an annotated format
sendmail (1) - Lightweight, command line SMTP email client
xdg-email (1) - command line tool for sending mail using the user's preferred e-mail composer
```

Part -2

Write a bash script to echo your name 25 times

```
for i in {1..5}
do
    echo "Jayanth Adhitya"
done
```

What command should I use to display the first 30 entries of syslog file?

```
head -n 30 /var/log/syslog
```

What command should I use to display the last 30 entries of syslog file?

```
tail -n 30 /var/log/syslog
```

What command should I use to arrange the entries of a file

- **Alphabetically**
sort file.txt
- **Reverse order**
sort -r file.txt
- **Numerical order**
sort -n file.txt

Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his best breakthrough. He has the list of criminals but lots of duplicates are there. He needs to find the only one that is different. He sought your help. How will you sort this issue?

```
sort criminalList.txt | uniq
```

What are the Three parts of file's permission?

In Linux the three parts of file permissions are Read, Write and Execute

1. **Read (r)** : The read permission allows you to open and read the content of a file. But you can't do any editing or modification in the file.
2. **Write (w)** : The write permission allows you to edit, remove or rename a file. For instance, if a file is present in a directory, and write permission is set on the file but not on the directory, then you can edit the content of the file but can't remove, or rename it.
3. **Execute (x)** : You can't run or execute a program unless execute permission is set.