Cognizance
Task-5

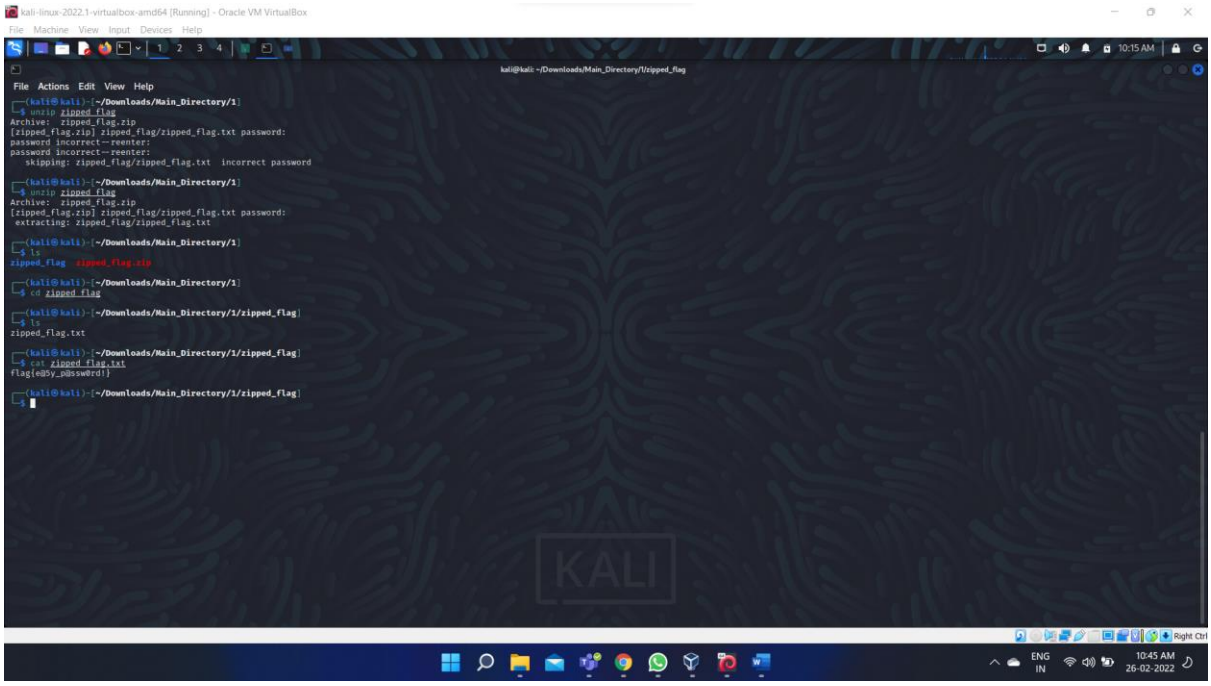
Part -1

List of flags

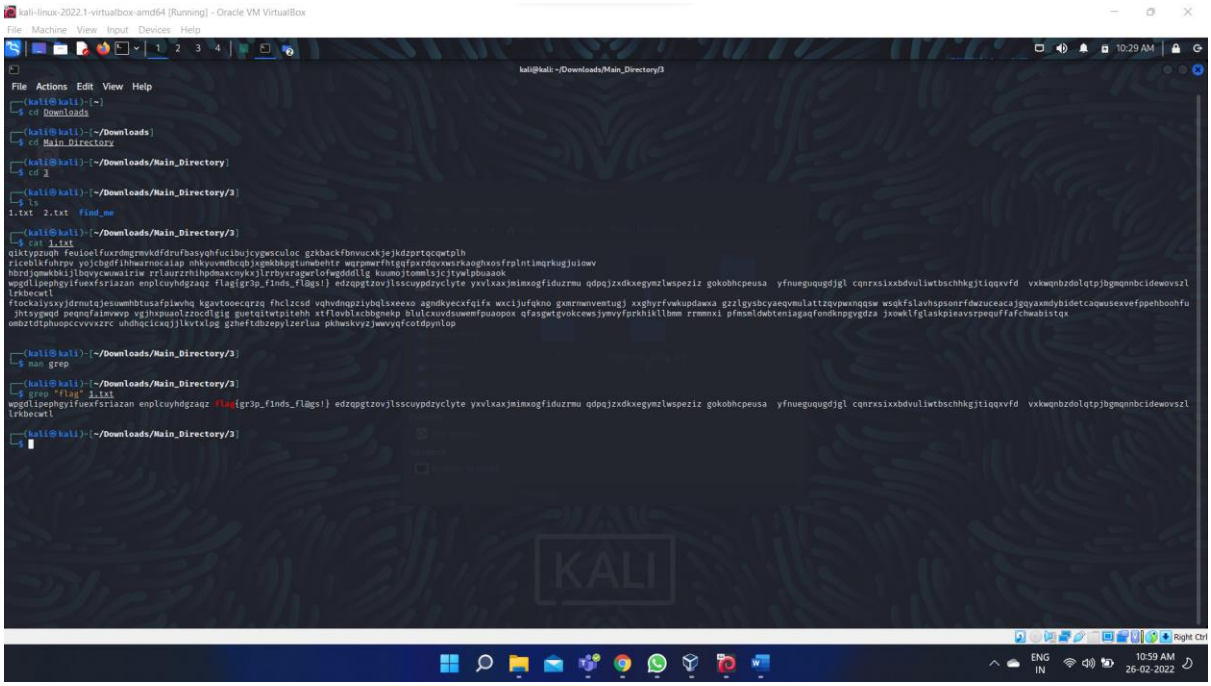
1. flag{e@5y_p@ssw0rd!}
2. flag{gr3p_f1nds_fl@gs!}
3. flag{h1dden_fil3!}
4. flag{t3xt_15_n0t_h1dd3n!}
5. flag{m3ow_m3ow_cat!}
6. flag{3x3cut10n_d0ne!}
7. flag{t@c-15-fun!}
8. flag{f1rst_fl@g_h3r3}
9. flag{d1ff-comm@nd15-u53ful!}
10. flag{Y0u_f0und_th3_hidd3n_dir!}
11. flag{Y0u_f0und_m3!}

Flag Screenshots

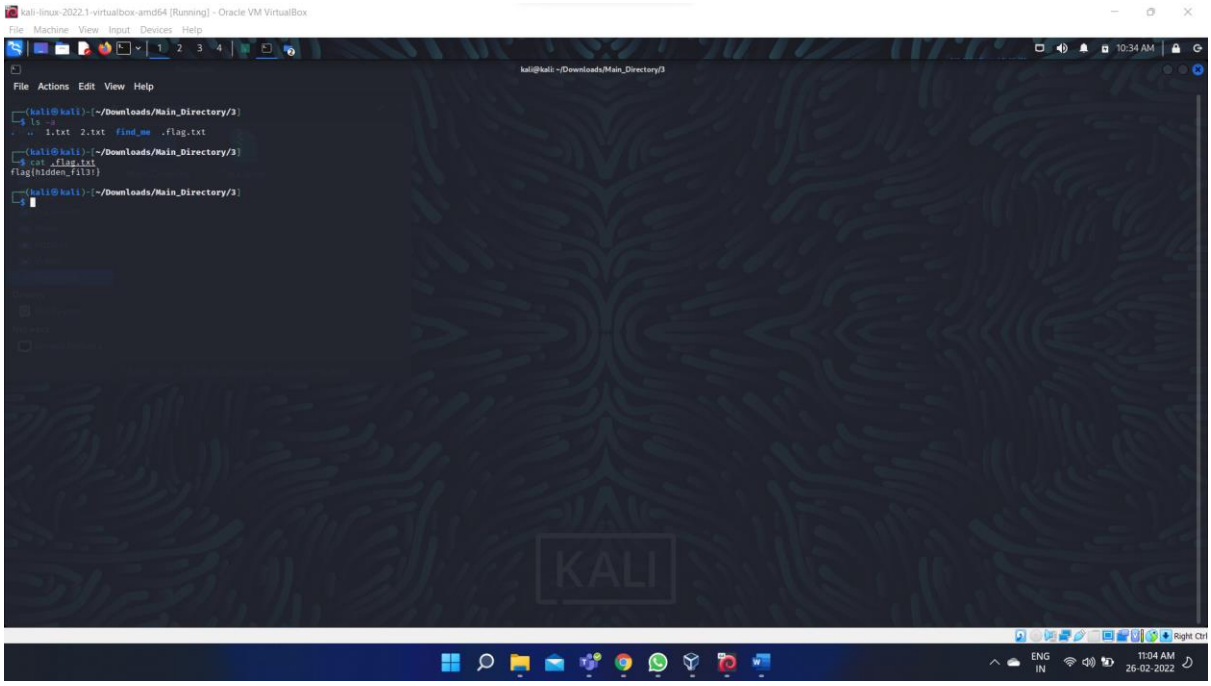
1. flag{e@5y_p@ssw0rd!}



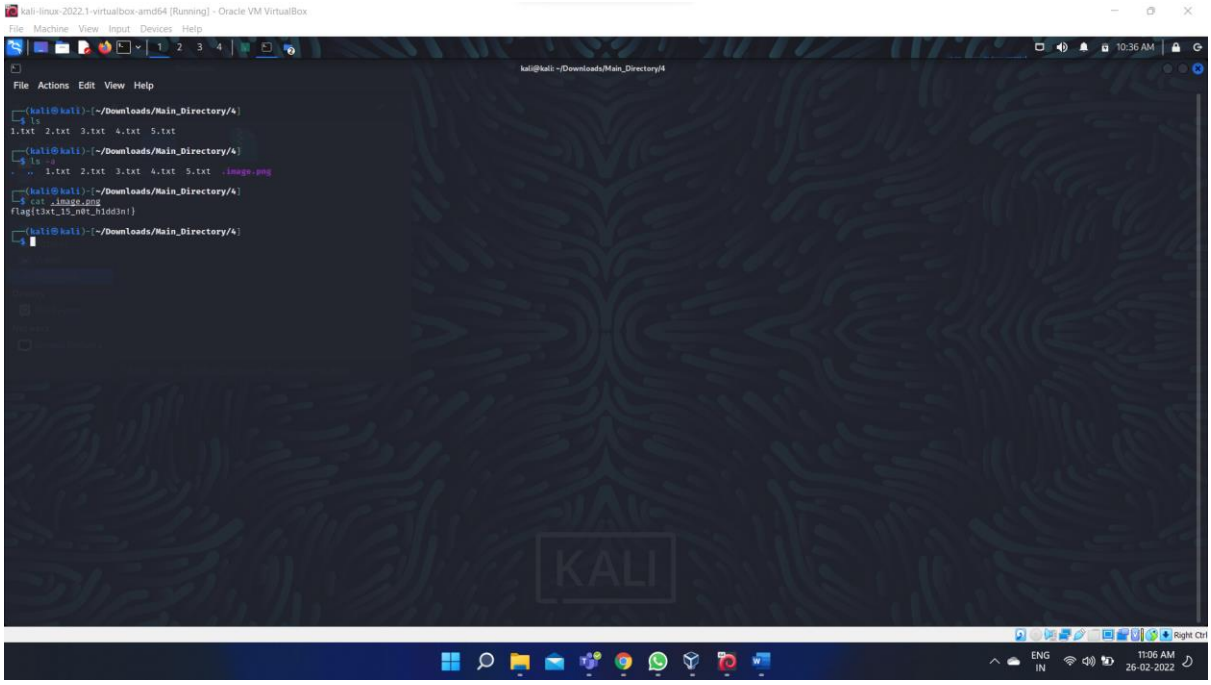
2. flag{gr3p_f1nds_fl@gs!}



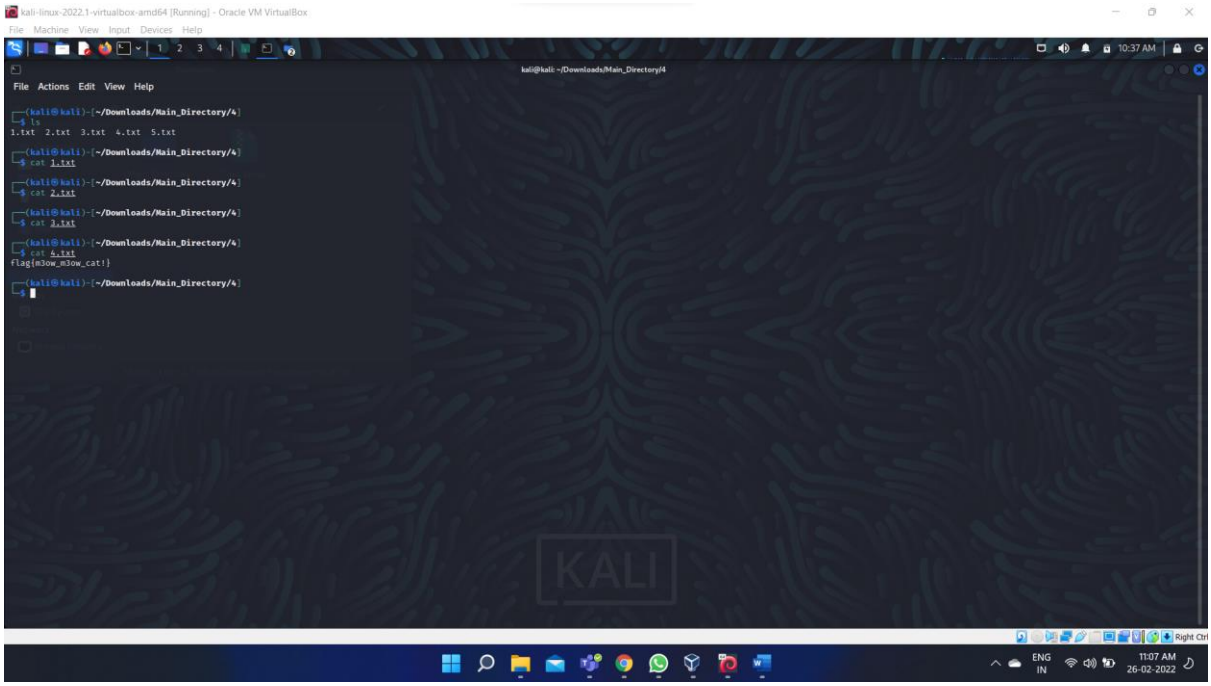
3. flag{h1dden_fil3!}



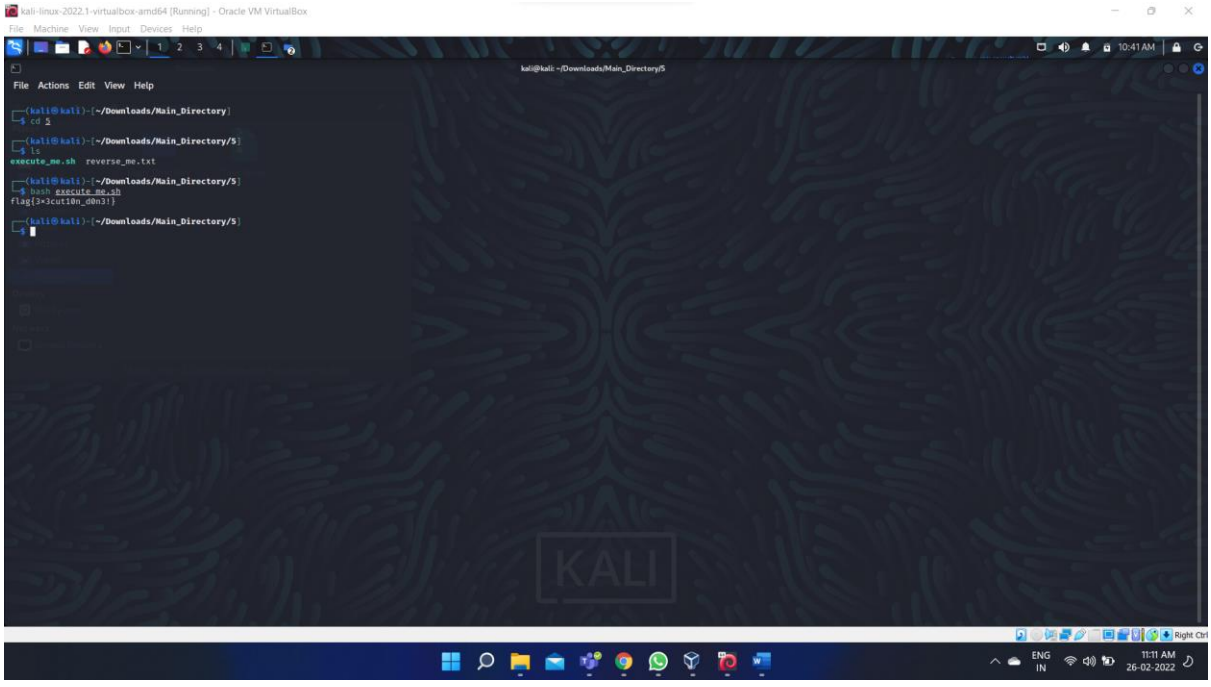
4. flag{t3xt_15_n0t_h1dd3n!}



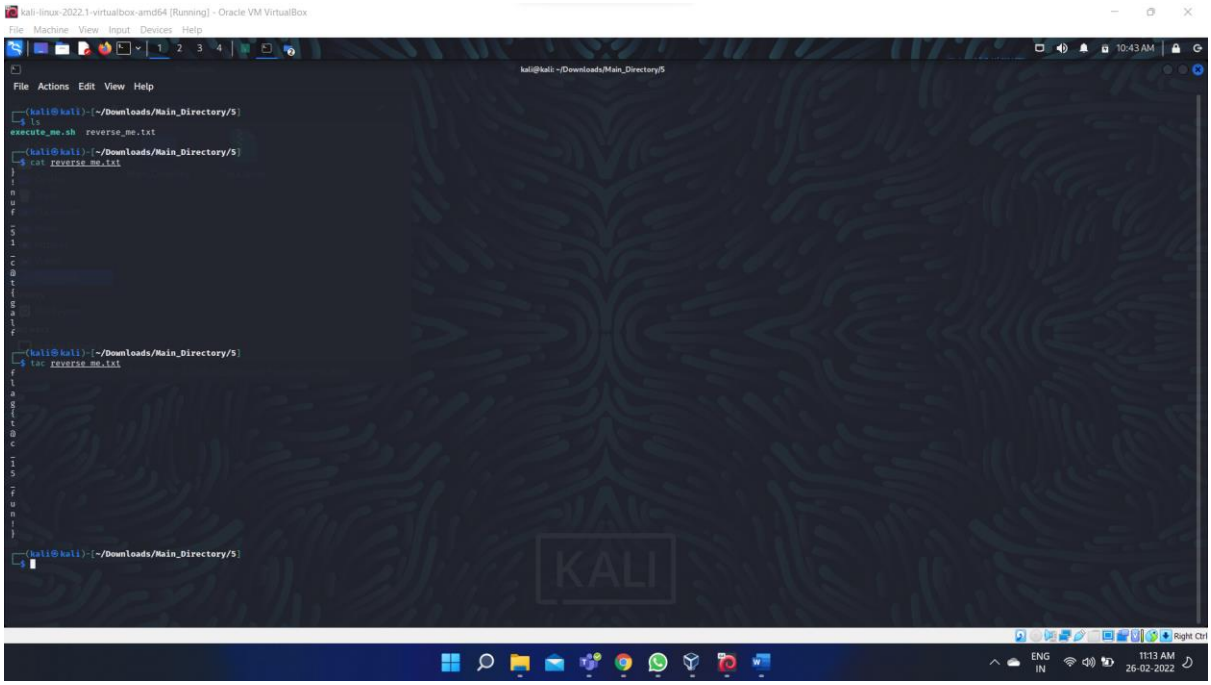
5. flag{m3ow_m3ow_cat!}



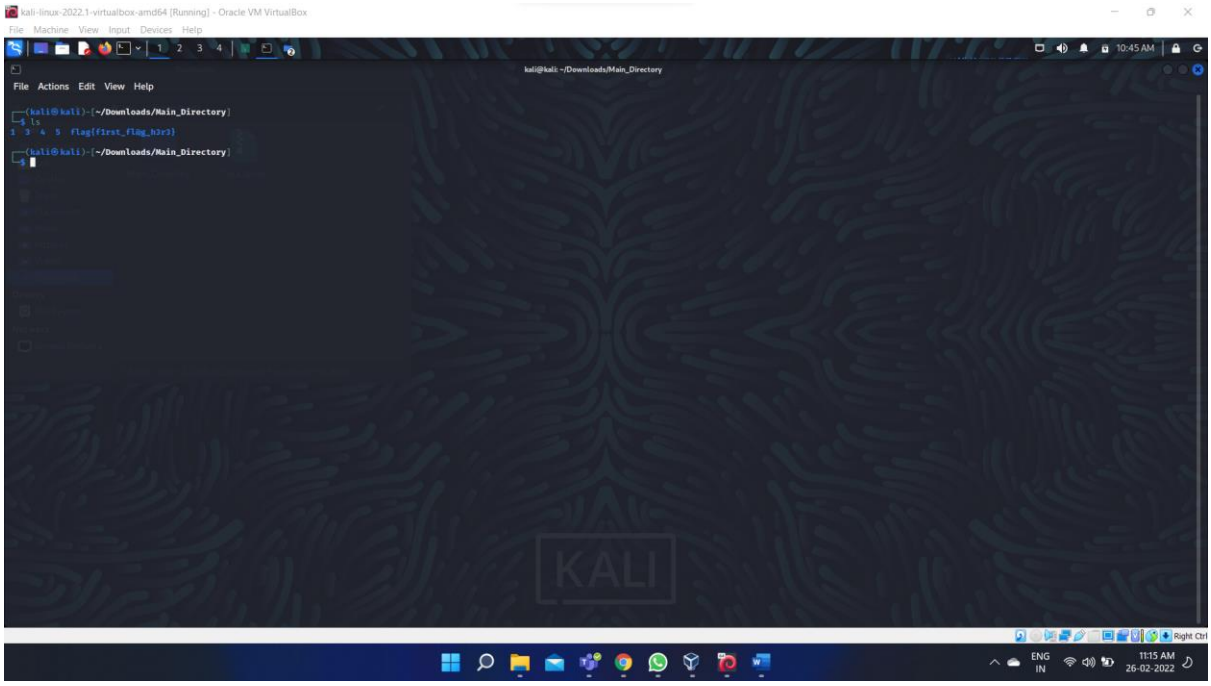
6. flag{3x3cut10n_d0ne!}



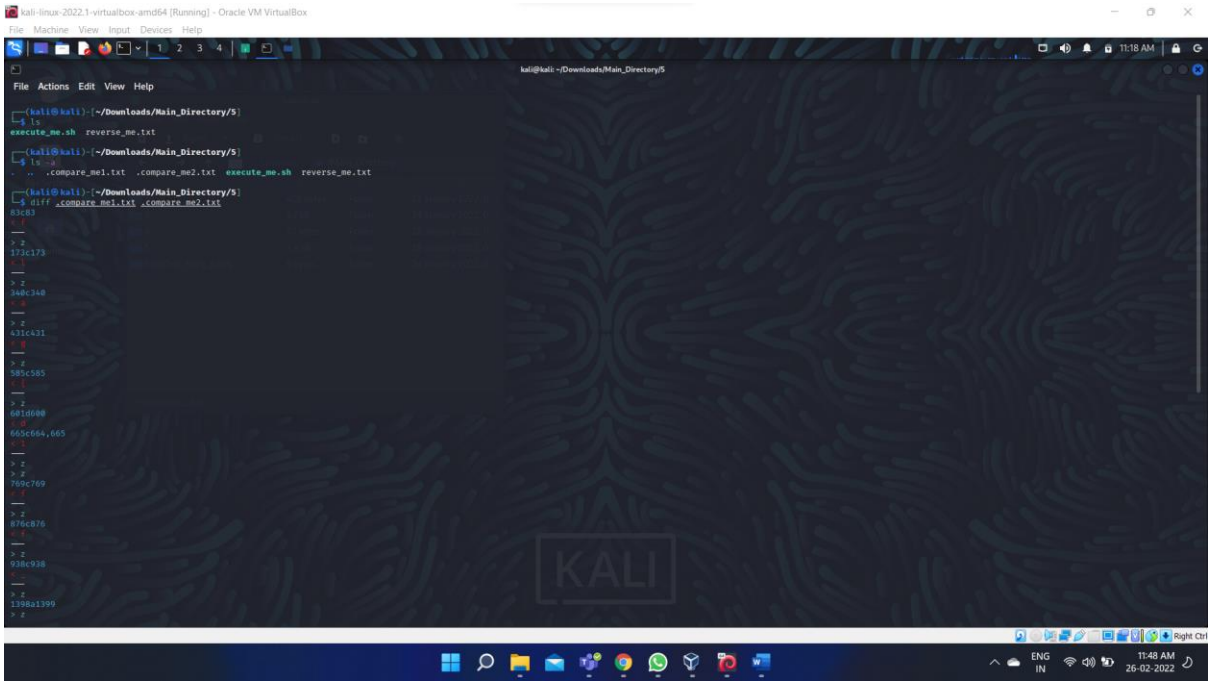
7. flag{t@c-15-fun!}



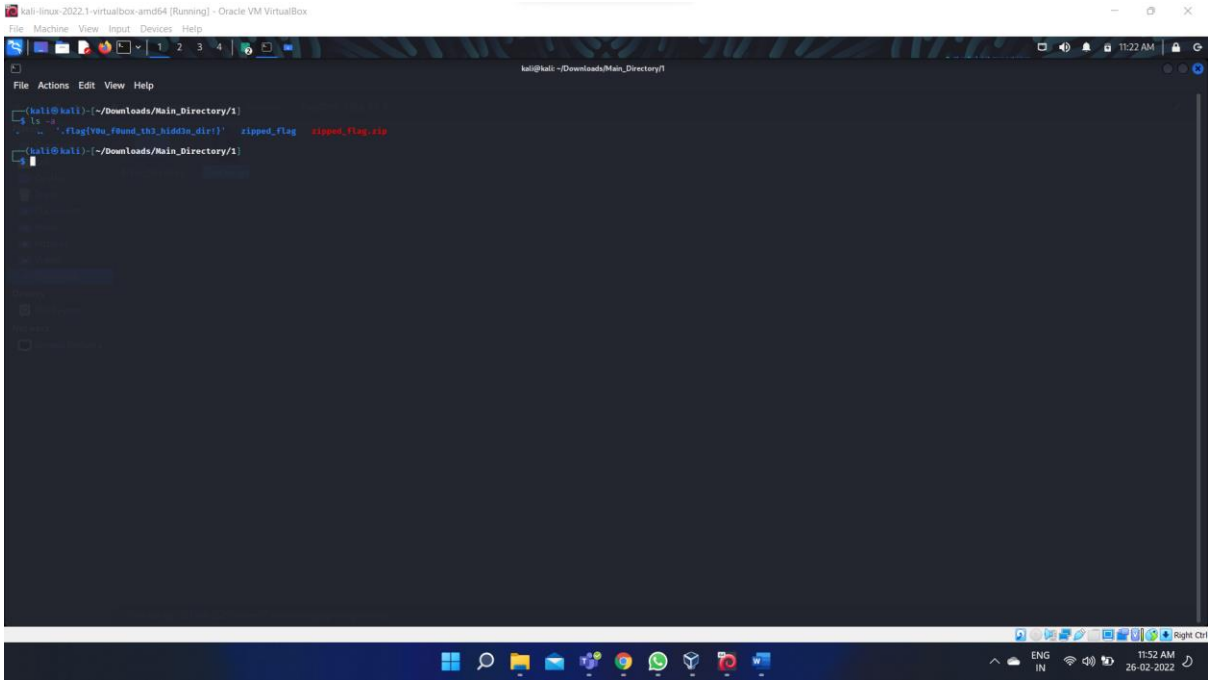
8. flag{f1rst_fl@g_h3r3}



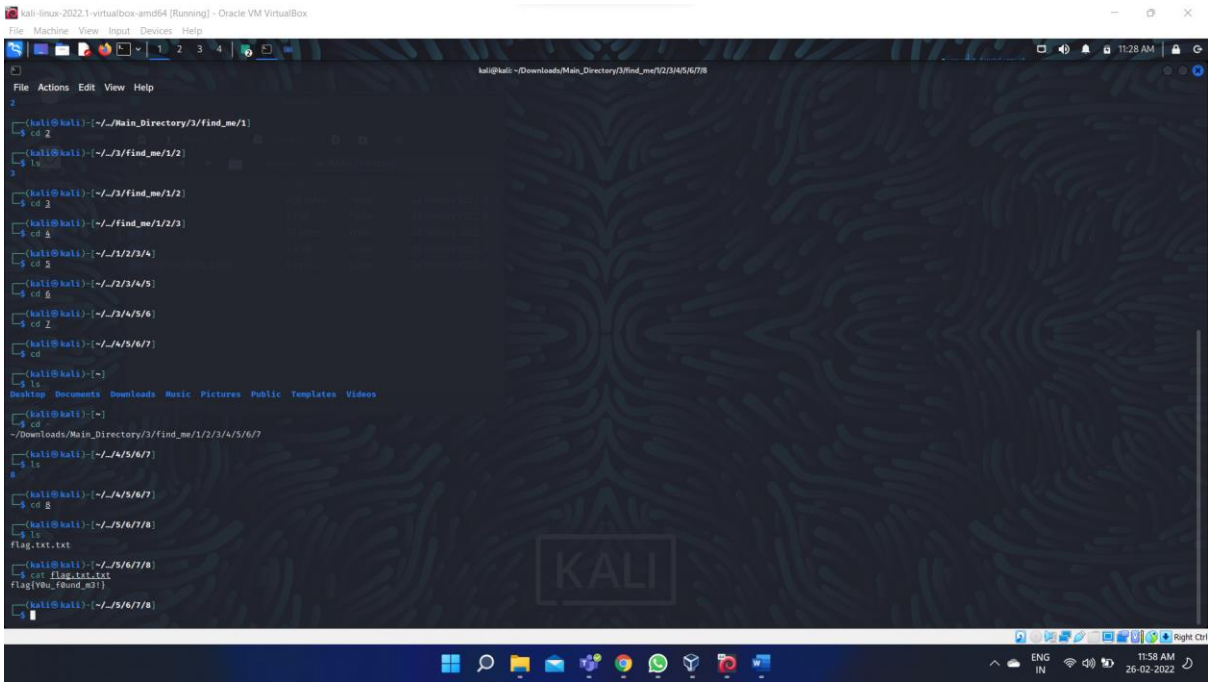
9. flag{d1ff-comm@nd15-u53ful!}



10. flag{Y0u_f0und_th3_hidd3n_dir!}

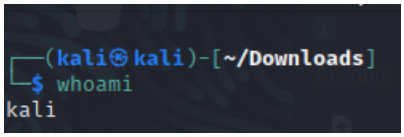


11. flag{Y0u_f0und_m3!}



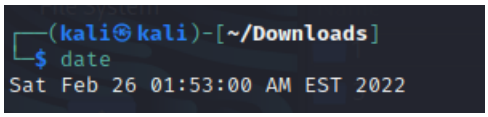
Command Screenshots

- whoami

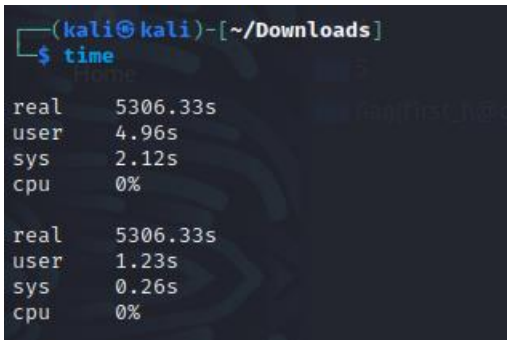


- hostname

- date

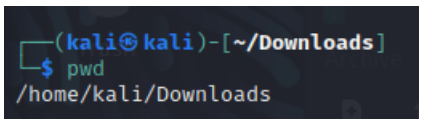


- time



- clear

- pwd



- 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
1  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
1  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
1  3  4  5  flag{f1rst_fl@g_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 feuioelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculo
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmdbcqbjxgmkbkpg
v
hbrdjqmwkbkijlbqvycwuwairiw rrlaurzrhihpdmaxcnykxjlrrbyxr
```

- head

```
┌──(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
└─$ head 1.txt
qiktypzuqh feuioelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculo
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmdbcqbjxgmkbkpg
v
hbrdjqmwkbkijlbqvycwuwairiw rrlaurzrhihpdmaxcnykxjlrrbyxr
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_
```

- tail

```
┌──(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
└─$ tail 1.txt
qiktypzuqh feuioelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculoc gzkbackfbnvucxkjejkdzprtqcqw
riceblkfuhrpv yojcbgdfihhwarnocaiap nhkyuvmdbcqbjxgmkbkpgtunwbehtr wqrpmwrfhtgqfpxrdqvx
v
hbrdjqmwkbkijlbqvycwuwairiw rrlaurzrhihpdmaxcnykxjlrrbyxragwrlofwgdddllg kuumojtommlsjc
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuypdzyc
dpqjzxdkxegymzlwspeziz gokobhcpeusa  yfnueguqugdjgl cqnrxsixxbdvuliwtbschhkgjtiqqxvfd
```

- grep

```
┌──(kali㉿kali)-[~/Downloads/Test/Main_Directory/3]
└─$ grep "flag" 1.txt
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu q
dpqjzxdkxegymzlwspeziz gokobhcpeusa  yfnueguqugdjgl cqnrxsixxbdvuliwtbschhkgjtiqqxvfd  vxkwqnbzdolqtpjbgmqnnbcidewov
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
```

- 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
sendemail (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.