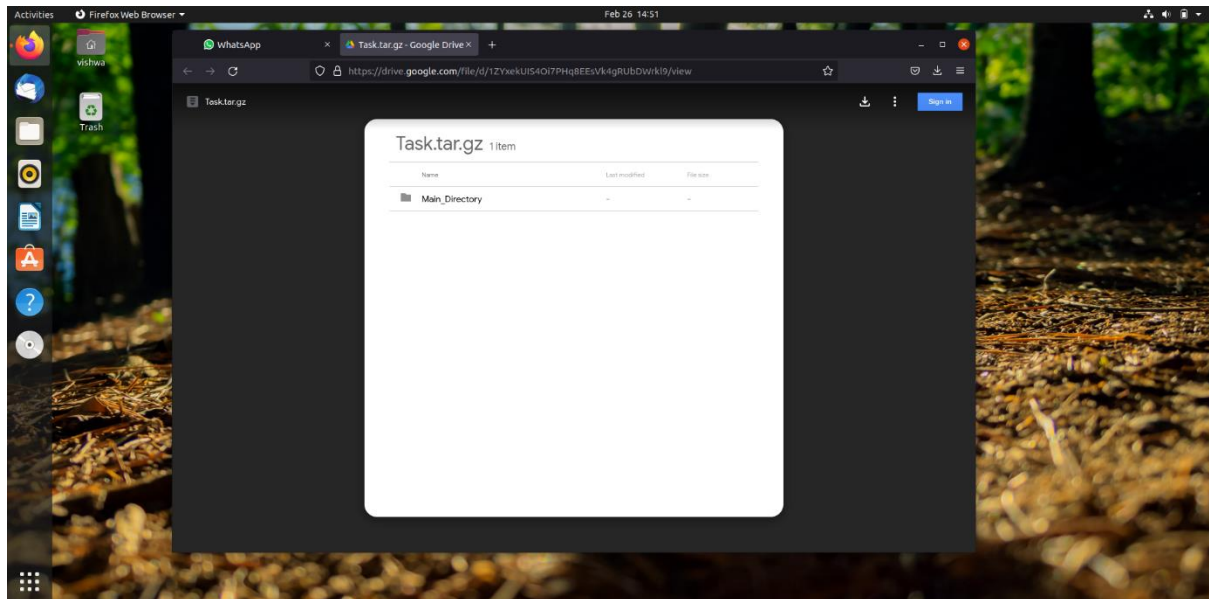


1. Downloading the file from the link:



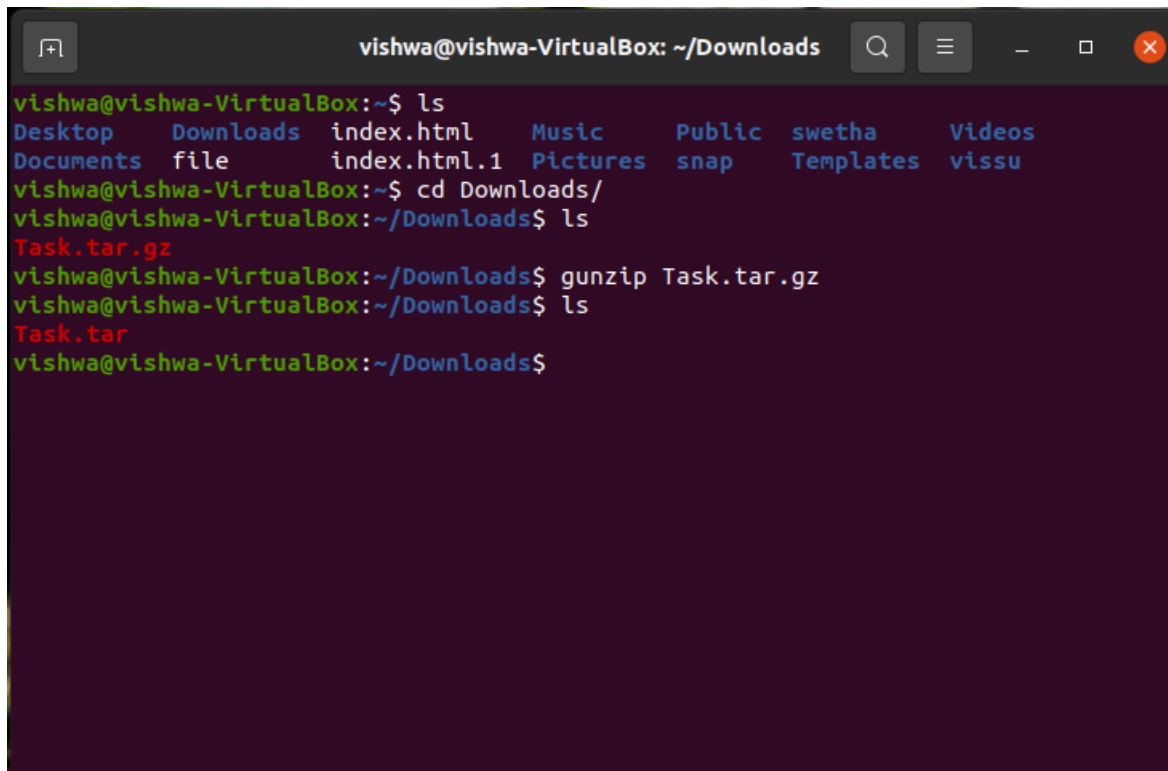
2. Finding file through terminal

```
vishwa@vishwa-VirtualBox: ~/Downloads

vishwa@vishwa-VirtualBox:~$ ls
Desktop  Downloads  index.html  Music  Public  swetha  Videos
Documents  file      index.html.1  Pictures  snap  Templates  vissu

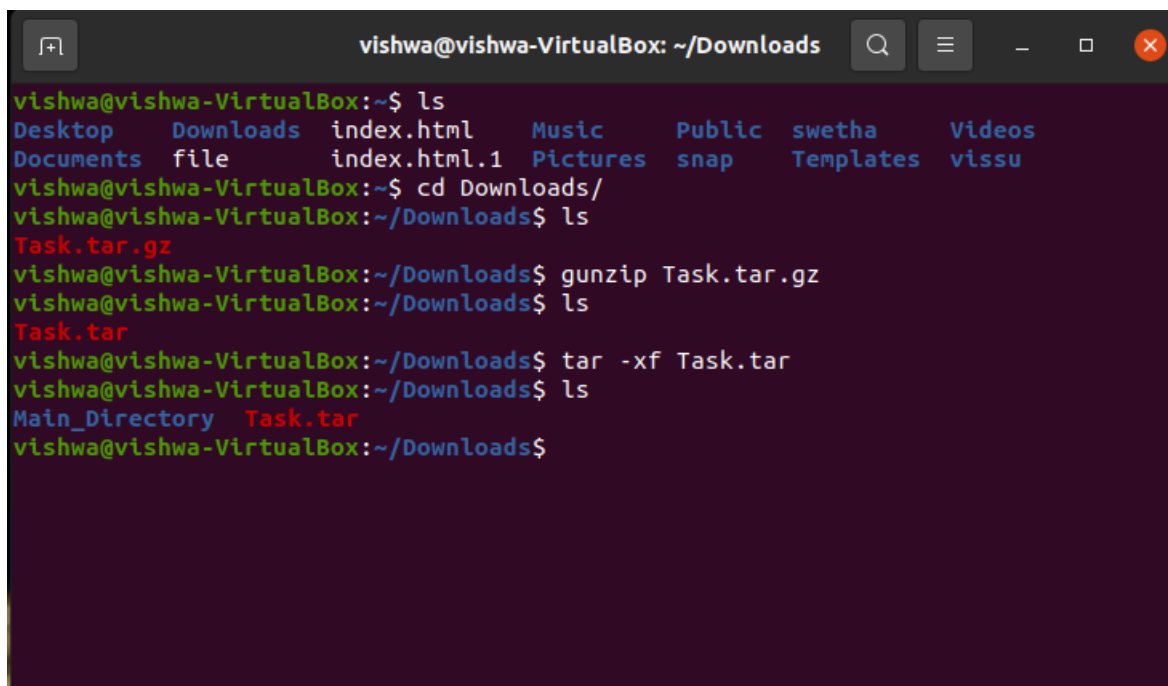
vishwa@vishwa-VirtualBox:~$ cd Downloads/
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$
```

3. Unzipping GZ file



```
vishwa@vishwa-VirtualBox: ~/Downloads
vishwa@vishwa-VirtualBox:~$ ls
Desktop  Downloads  index.html  Music  Public  swetha  Videos
Documents file      index.html.1 Pictures snap    Templates vissu
vishwa@vishwa-VirtualBox:~$ cd Downloads/
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$ gunzip Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$
```

4. Unzipping tar file



```
vishwa@vishwa-VirtualBox: ~/Downloads
vishwa@vishwa-VirtualBox:~$ ls
Desktop  Downloads  index.html  Music  Public  swetha  Videos
Documents file      index.html.1 Pictures snap    Templates vissu
vishwa@vishwa-VirtualBox:~$ cd Downloads/
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$ gunzip Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$ tar -xf Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Main_Directory Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$
```

5. Entering the archived directory:

```
vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory
vishwa@vishwa-VirtualBox:~$ ls
Desktop  Downloads  index.html  Music  Public  swetha  Videos
Documents  file  index.html.1  Pictures  snap  Templates  vissu
vishwa@vishwa-VirtualBox:~$ cd Downloads/
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$ gunzip Task.tar.gz
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$ tar -xf Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$ ls
Main_Directory Task.tar
vishwa@vishwa-VirtualBox:~/Downloads$ cd Main_Directory/
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{f1rst_fl@g_h3r3}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$
```

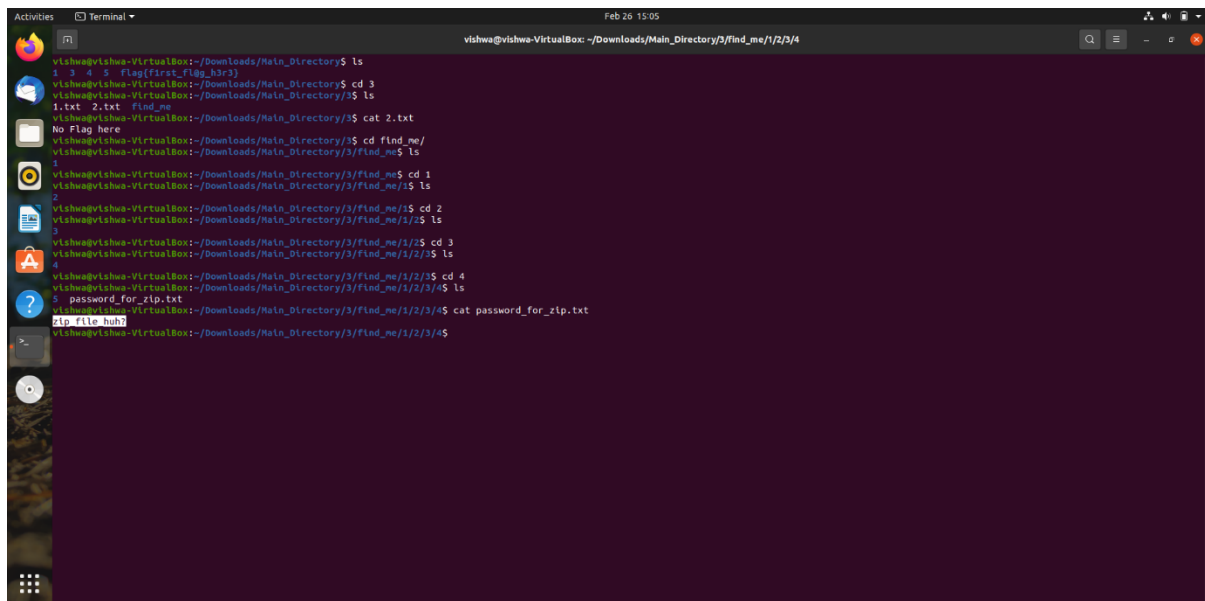
1)Flag1: flag{f1rst_fl@g_h3r3}

6. Opening files:

```
Activities Terminal Feb 26 15:01
vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{f1rst_fl@g_h3r3}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ ls
ripped_flag.zip
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ cd ..
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt flnd_ne
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ cat 1.txt
qktyprueh feutoefuandgrmkdfdrufbasyqhfuctbuycypesuloc gskbackfbnvuckjjeskdzprtqcwtpth
rtcebtkfuhprv yojcbgdfhwharnocalap nhkyuundbcqjxgnkbbkggtunwbeht qwrpwrfttgafpxrdqvxwskaghoxofrpntlnqrkugjulow
hbrdgmkbkjlbbqyvcuwairw rrlaurzrhthpdmxcnyxjlrbyxragwlofwgdddlg kumoJtomnlsjctjwlpbuaak
wpgdlpephgyfuexfsrlazan enplcuyhdgaaz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuydpdzcyte yxvlxajnlmnoxgfdzrmu qdpqjzdxkxegynlwspezit gokobhceusa yfnueguqugdjgl cqnrxstxxbdvultwbschhkgjtlqgxvfd
vskwqnbzdoqtptjbgqgnbcldeovszlirkbecwtl
ftocakisyxyjdrnutjesunhbtusafplwqh kgavtooeqrzq fhclzcsd vqhdnqzlybqlsxexo agndkyecxflfx wxcjlufqkno gxmnmnventugj xghyrfvkwupdawxa gzzlgysbcaeqvulattzqvwxnqqsw wsgkflavhspsonrfdwzuceacajgg
yakmdyldetcaqusexwefppebboofu jhtsygad peqnfalmvwp vgjhxpualzocdigl guetqltwlptehh xflvoblxcbgnekp blulcxuvsuwnfpuapox qfasgtgvokcewsjnyvfrprkhklbmn rrmnnxl pfnslwdntentagaqfondknpvgvd
ra jzmkfjglaskplearspequffefchubstqz
ombztdtphupccvxxzrc uhdhqcicqjllkvtxlpg gzhftdbzepylerlua pkhwskvyzjwvyqfcotdpylno
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ grep -l "flag" 1.txt
wpgdlpephgyfuexfsrlazan enplcuyhdgaaz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlsscuydpdzcyte yxvlxajnlmnoxgfdzrmu qdpqjzdxkxegynlwspezit gokobhceusa yfnueguqugdjgl cqnrxstxxbdvultwbschhkgjtlqgxvfd
vskwqnbzdoqtptjbgqgnbcldeovszlirkbecwtl
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$
```

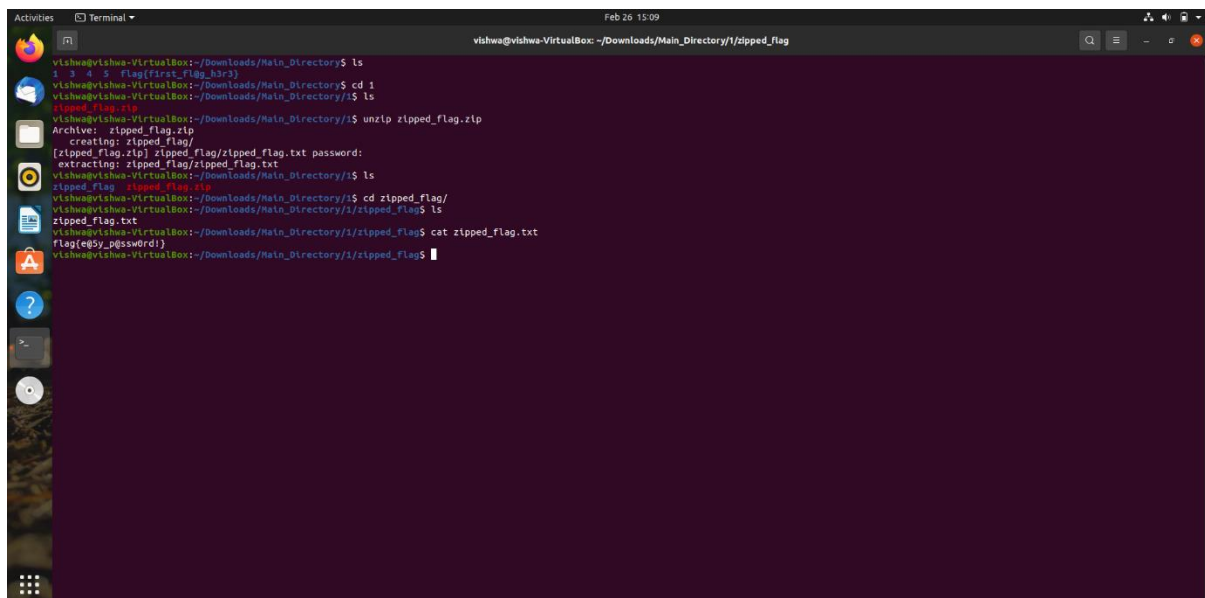
2)Flag2: flag{gr3p_f1nds_fl@gs!}

7. Found password for zip file:



```
vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/3/Find_me/1/2/3/4
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 Flag(first_flag_h3r3)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt Find_me
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ cat 2.txt
No flag here
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ cd find_me/
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me$ ls
1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd 1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ ls
2
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd 2
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip file huh?
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$
```

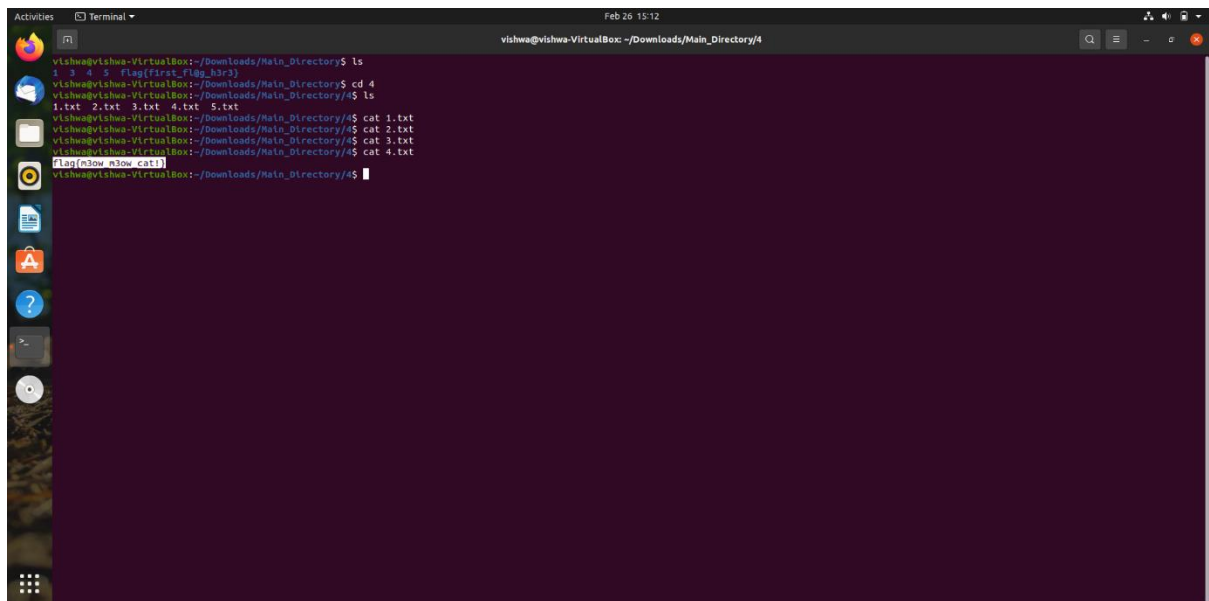
8. Finding flag in zip file:



```
vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/1/zipped_flag
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 Flag(first_flag_h3r3)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag.zip
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
  creating: zipped_flag/
  (zipped_flag.zip) zipped_flag/zipped_flag.txt password:
extracting: zipped_flag/zipped_flag.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag zipped_flag.zip
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag/
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$
```

3)Flag3: flag{e@5y_p@ssw0rd!}

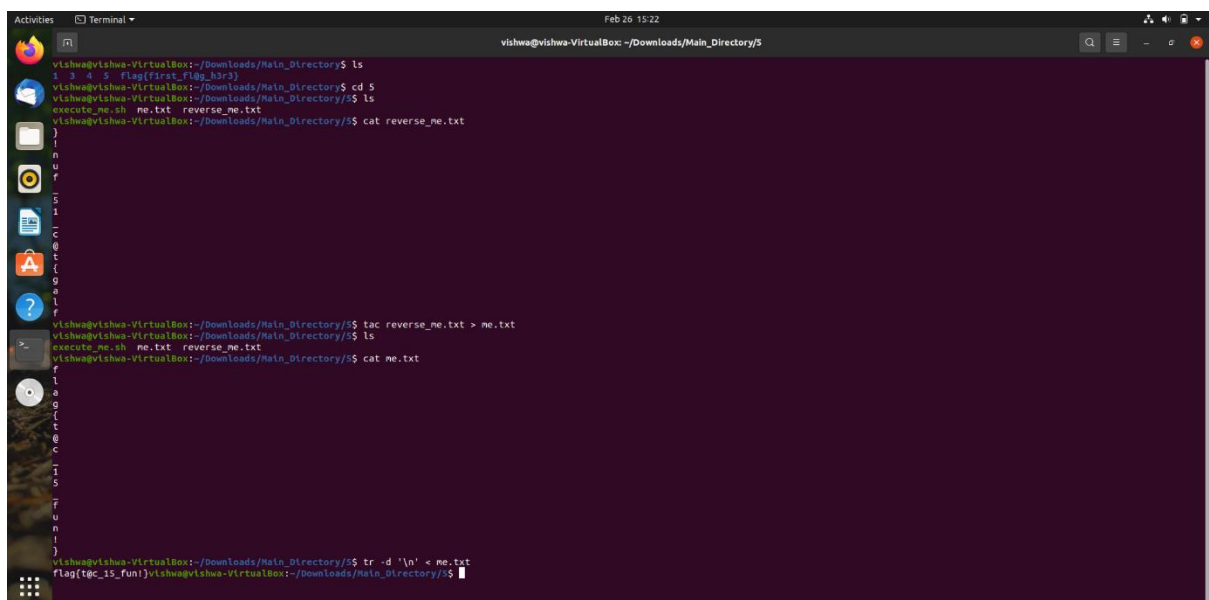
9.

A terminal window titled 'vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/4' showing a series of commands and their outputs. The user lists files, changes to directory 4, lists files again, and then cat's the contents of 1.txt through 4.txt. The output of 4.txt is 'flag{m3ow_m3ow_cat!}'.

```
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag(first_flag_h3r3)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 4
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/4$ cat 1.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/4$ cat 2.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/4$ cat 3.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
```

4)Flag4: flag{m3ow_m3ow_cat!}

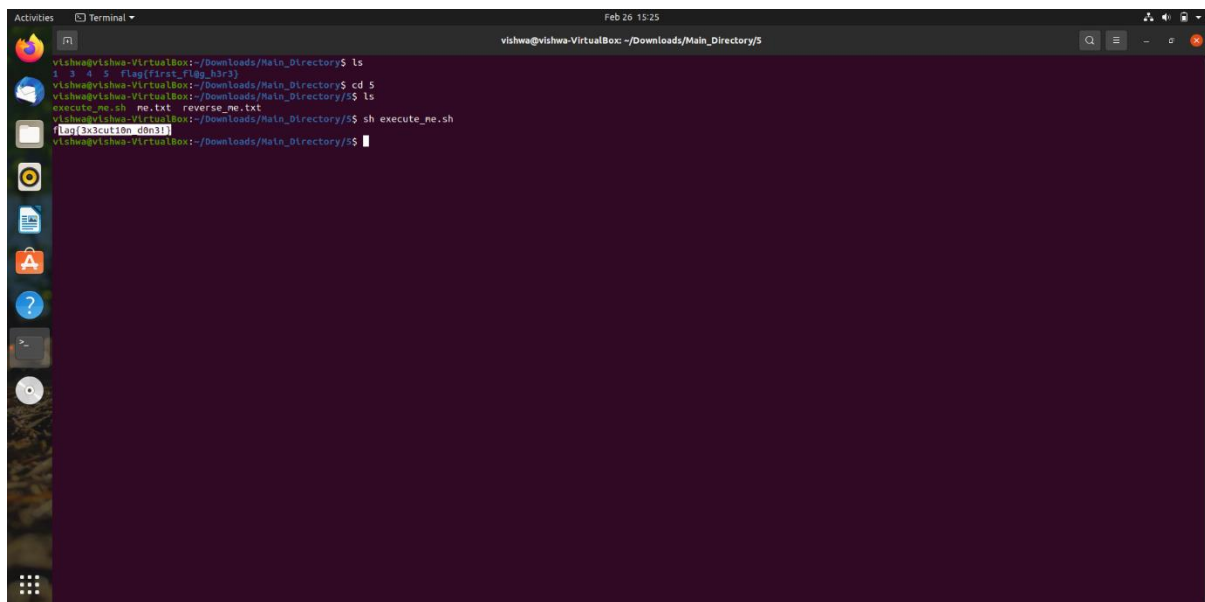
10.

A terminal window titled 'vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/5' showing a series of commands. The user lists files, changes to directory 5, lists files, and then uses 'execute_me.sh me.txt reverse_ne.txt'. The output is a long string of characters. Then, the user uses 'tac reverse_ne.txt > ne.txt', lists files, and uses 'execute_me.sh me.txt reverse_ne.txt'. The output is another long string of characters. Finally, the user uses 'tr -d '\n' < ne.txt' and 'flag{t@_15_fun!}' is displayed.

```
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag(first_flag_h3r3)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 5
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh me.txt reverse_ne.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ cat reverse_ne.txt
}
i
n
u
r
c
i
s
i
o
n
e
r
e
c
e
s
s
e
r
f
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ tac reverse_ne.txt > ne.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh me.txt reverse_ne.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ cat ne.txt
f
l
a
g
{
t
@
_
1
5
_
f
u
n
!
}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ tr -d '\n' < ne.txt
flag{t@_15_fun!}
```

5)Flag5: flag{t@c_15_fun!}

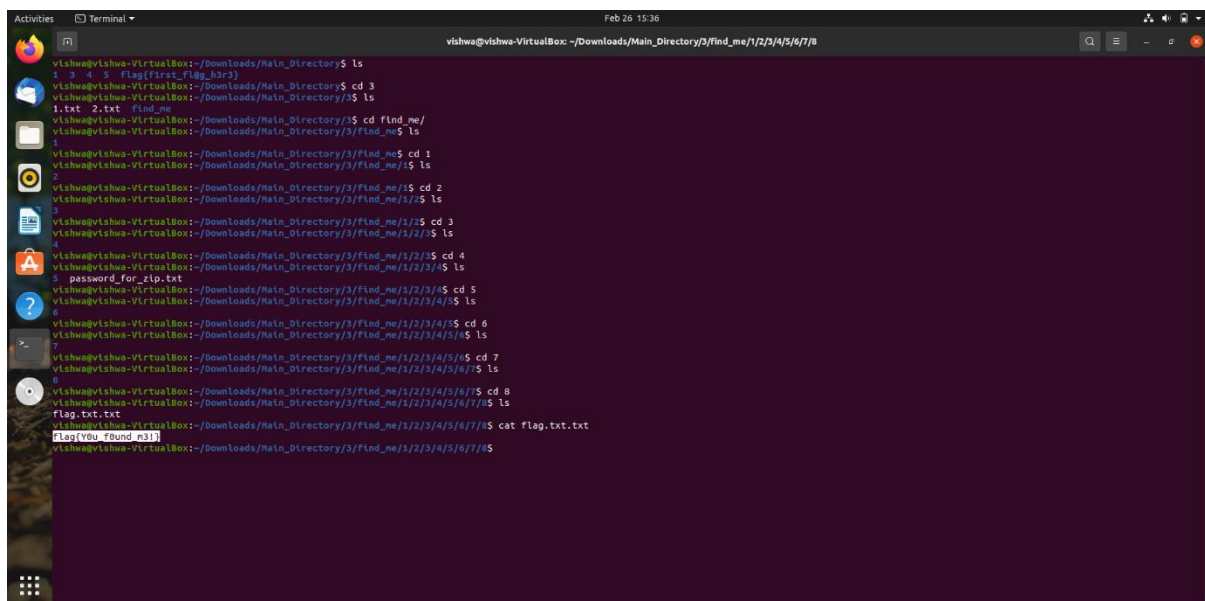
11.



```
vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory$ ls
1 3 4 5 Flag{first_flag_h3r3}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 5
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh me.txt reverse_me.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$ sh execute_me.sh
flag{3x3cut10n_d0n3!}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/5$
```

6)Flag6: flag{3x3cut10n_d0n3!}

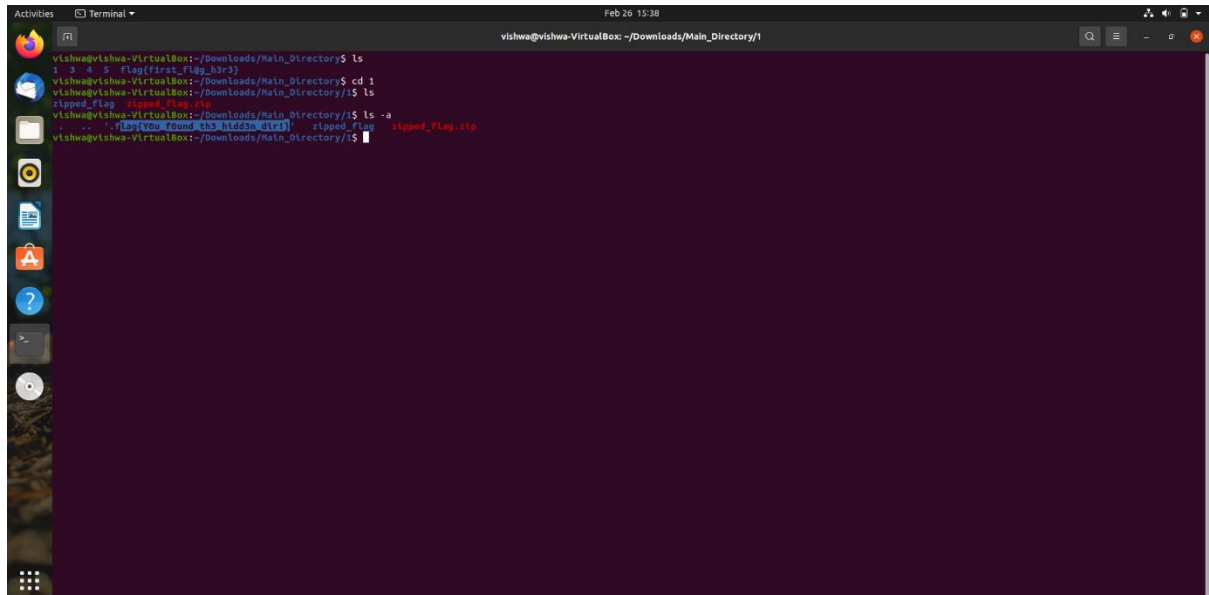
12.



```
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 Flag{first_flag_h3r3}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ cd find_me/
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me$ ls
1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd 1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ ls
2
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd 2
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
password_for_zip.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cd 8
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

7)Flag7: flag{Y0u_f0und_m3!}

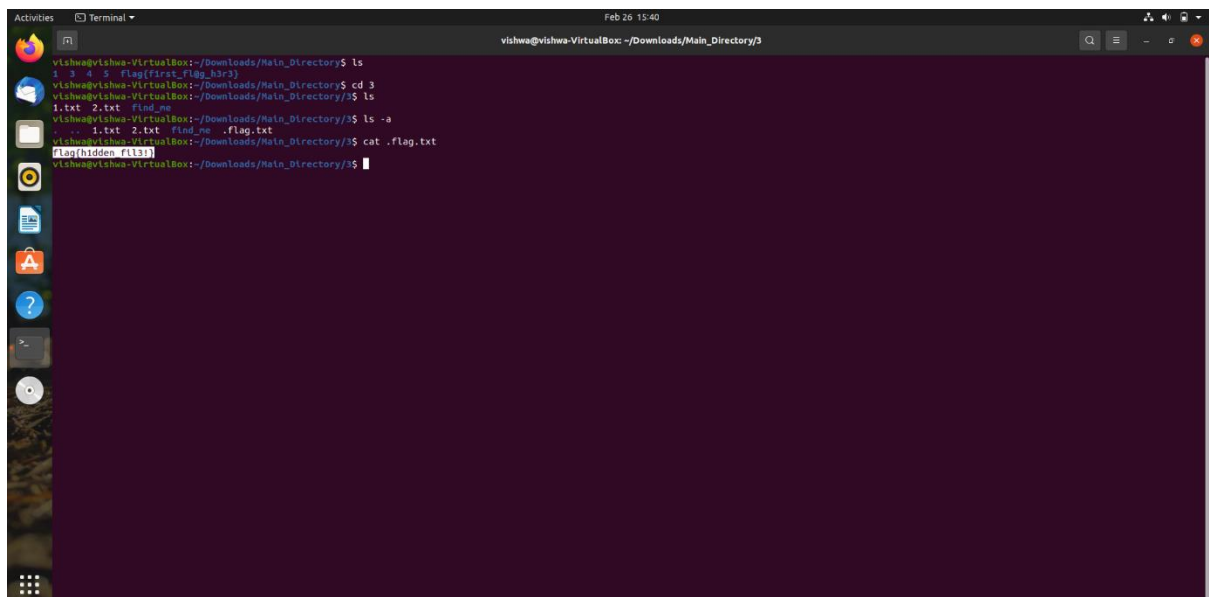
13.

A terminal window titled 'vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/1' showing a series of commands and their outputs. The user lists files, changes to directory '1', lists files again, and then uses 'ls -la' to reveal hidden files. The output shows a file named 'zippped_flag.zip' with permissions '-rwxr-xr-x' and owner 'vishwa'.

```
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag(first_flag_h3r3)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 1
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ ls
zippped_flag  zippped_flag.zip
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$ ls -la
total 12
-rwxr-xr-x 1 vishwa vishwa 4096 Mar 10 14:33 zippped_flag
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/1$
```

8)Flag8: flag{Y0u_f0und_th3_hidd3n_dir!}

14.

A terminal window titled 'vishwa@vishwa-VirtualBox: ~/Downloads/Main_Directory/3' showing commands to list files, change to directory '3', list files, and use 'ls -la' to find a hidden file named '.flag.txt'. The user then uses 'cat' to view the contents of the file, which is 'flag(h1dden_f1l3!)'.

```
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag(first_flag_h3r3)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory$ cd 3
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ ls -la
total 12
-rwxr-xr-x 1 vishwa vishwa 4096 Mar 10 14:33 find_me
-rwxr-xr-x 1 vishwa vishwa 4096 Mar 10 14:33 1.txt
-rwxr-xr-x 1 vishwa vishwa 4096 Mar 10 14:33 2.txt
-rwxr-xr-x 1 vishwa vishwa 4096 Mar 10 14:33 .flag.txt
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$ cat .flag.txt
flag(h1dden_f1l3!)
vishwa@vishwa-VirtualBox:~/Downloads/Main_Directory/3$
```

9)Flag9: flag{h1dden_fil3!}

15.

[illegible]

10) Flag10: flag{t3xt_15_n0t_h1dd3n}

16. Deleting z's and "\n's":

A screenshot of a Linux terminal window. The title bar at the top shows 'Activities', 'Terminal', and the date/time 'Feb 26 15:52'. The terminal's title bar indicates the user is 'vishwa' on a 'vishwa-VirtualBox' machine, with the current directory being '~/Downloads/Main_Directory/5'. The terminal content shows a series of commands and their outputs: first, 'ls -a' lists hidden files including '.compare_me1.txt', '.compare_me2.txt', 'execute_me.sh', 'me.txt', and 'reverse_me.txt'; then, 'tr -d 'a'n' < .compare_me1.txt' is executed, resulting in a message from 'diff' indicating a successful operation. The left sidebar of the desktop environment shows various application icons like a web browser, file manager, and terminal.

```
11)Flag11: flag{d1ff_c0mm@nd15_u53ful!}
```