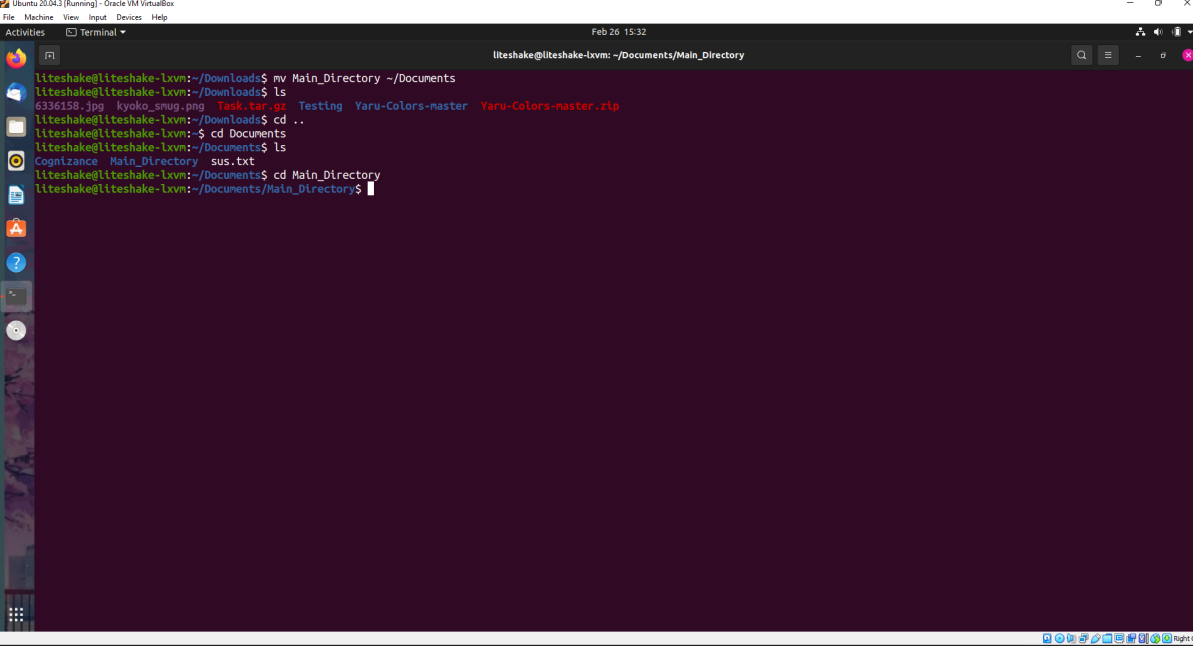


TASK 5.1

Capture the Flag

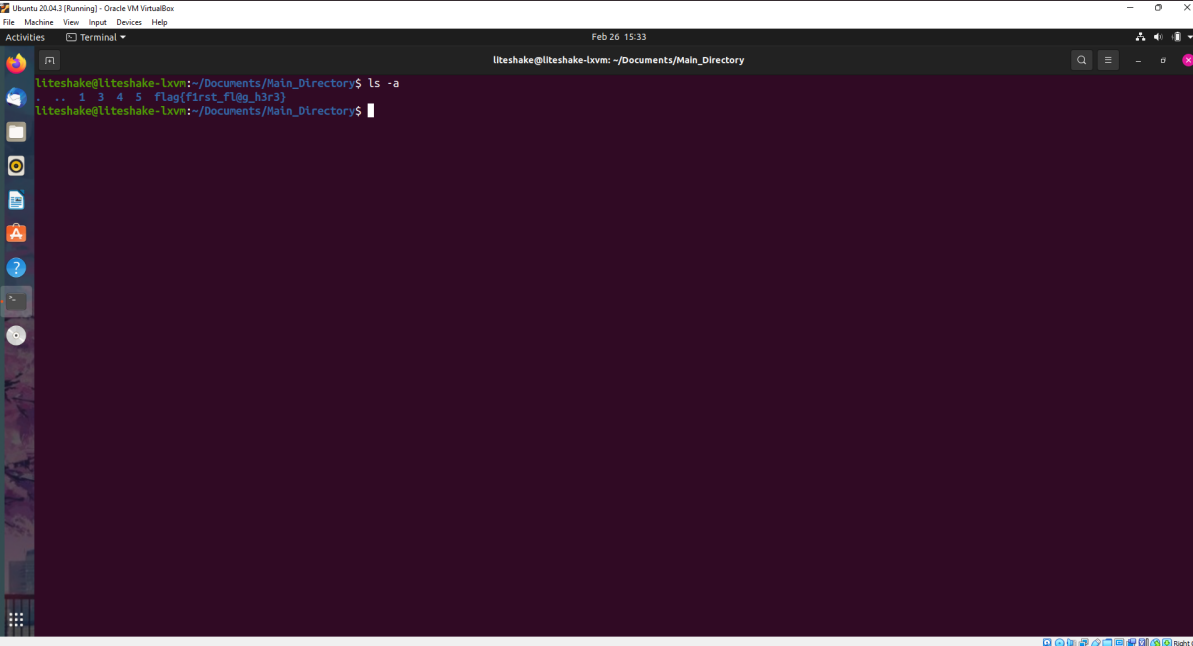
by
V Viswanathan

0 : I extracted the thing using `tar -xf <filename>` command and moved the folder from Downloads folder to Documents folder.



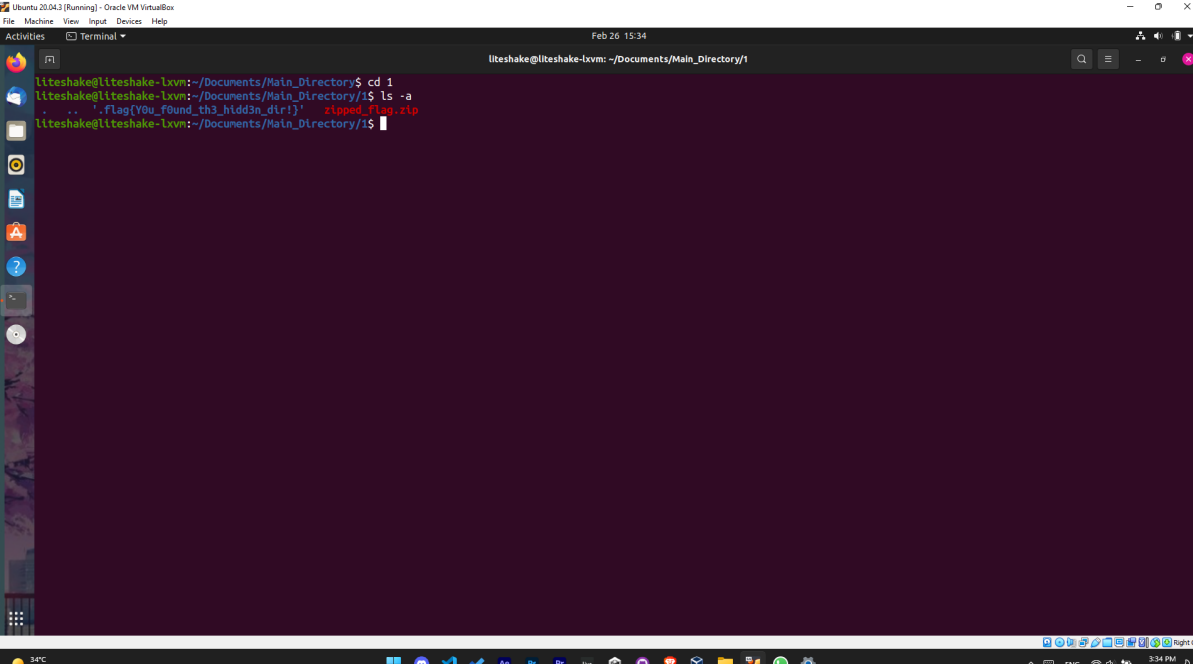
```
liteshake@liteshake-lxvm: ~/Downloads$ mv Main_Directory ~/Documents
liteshake@liteshake-lxvm: ~/Downloads$ ls
6336158.jpg  kyoko_smug.png  Task.tar.gz  Testing  Yaru-Colors-master  Yaru-Colors-master.zip
liteshake@liteshake-lxvm: ~/Downloads$ cd ..
liteshake@liteshake-lxvm: ~/Documents$ ls
Cognizance  Main_Directory  sus.txt
liteshake@liteshake-lxvm: ~/Documents$ cd Main_Directory
liteshake@liteshake-lxvm: ~/Documents/Main_Directory$
```

Flag 1 : `flag{f1rst_f1@g_h3r3}`



```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory$ ls -la
.. 1 3 4 5 flag{f1rst_f1@g_h3r3}
liteshake@liteshake-lxvm: ~/Documents/Main_Directory$
```

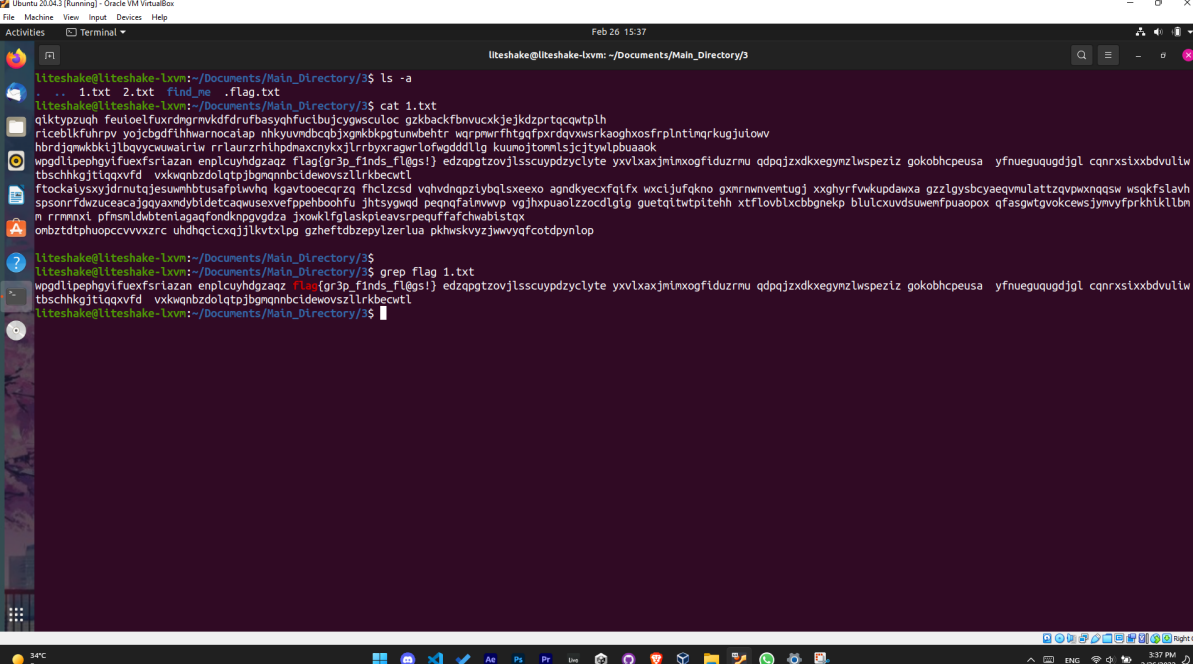
Flag 2 : flag{Y0u_f0und_th3_hidd3n_dir!}



The screenshot shows a terminal window titled "liteshake@liteshake-lxvm: ~/Documents/Main_Directory/1". The user is in a directory named "1". They run the command `ls -la`, which shows a hidden directory `flag{Y0u_f0und_th3_hidd3n_dir!}` with permissions `drwxr-xr-x`. The user then runs `cd 1` and `ls -la` again, showing the contents of the hidden directory, which include a file named `ripped_flag.zip`.

```
liteshake@liteshake-lxvm:~/Documents/Main_Directory$ cd 1
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1$ ls -la
.
..
'flag{Y0u_f0und_th3_hidd3n_dir!}'
ripped_flag.zip
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1$
```

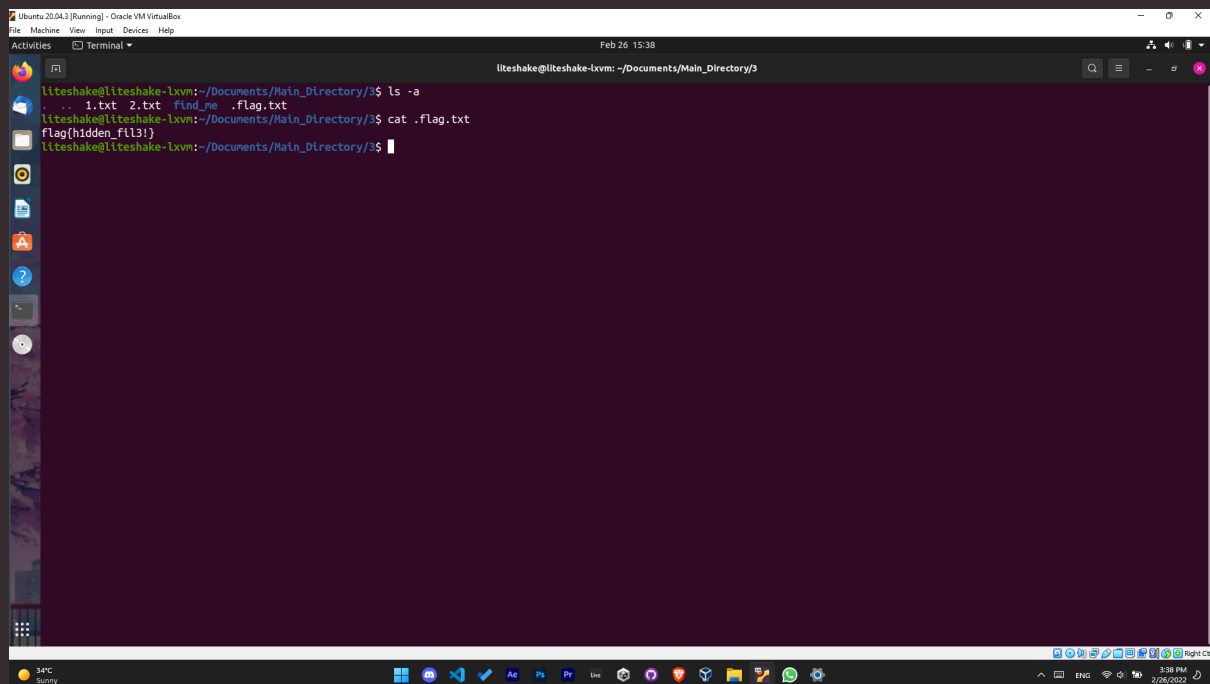
Flag 3 : flag{gr3p_f1nds_f1@gs!}



The screenshot shows a terminal window titled "liteshake@liteshake-lxvm: ~/Documents/Main_Directory/3". The user is in a directory named "3". They run the command `ls -la`, which shows a file named `1.txt` with permissions `-rw-r--r--`. The user then runs `cat 1.txt`, which displays a large block of base64-encoded text. The user then runs `grep flag 1.txt`, which finds a single line containing the flag `flag{gr3p_f1nds_f1@gs!}`.

```
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ ls -la
.
..
1.txt
flag.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ cat 1.txt
qiktypzugh feuoelfuxrdgrmkdfdrufbasqhfucibujcygwsuloc gzkbackfbnvuckjejkdzprtqcwptlh
riceblkfuhprv vojcbpdrfthwarcapal nhkyvundbcabjxgnkbkpgtunbehttr wqrpwrfhtgqpxrdqvxwskrkaoghxosfrpIntnqrkugjulow
hbrdjomwktjlbayocwawetrw rrlaurzrthpdxacnykxjlrrbyxragwlofugdddlg kuonojtomlejeitywlpbaaok
wpgdlpephgyifuexfariazan enplcuyhdgzaq flag{gr3p_f1nds_f1@gs!} edzqpgtzovjlsscuydpzcytle yxvlxajminxogfiduzrnu qdpqjzdxkxegymzlwspeliz gokobhceusa yfnueguqugdjgl cqnrxsxxbdvuliw
tbschhkgjtiqqxvfd vxkwqnbzdlqtpjbgngnbnbcidewovszllrbecwtl
ftockalsyxyjdrnutqjesumhhtusaflwvhq kgavtooeqrzq fhclzcsd vqhvndqprziybqlsxexo agndkyecxfqifx wxc1jufqkno gxmrmnventugj xxghyrfvkwupdawxa gzzlgysbcyaevmulattzqvpwnqgsw wsqkflavh
spsongfdwuaceacajqayaxndybidetcaqusexvefppehboohfu jhtsygwd pegnqfalwvwp vgjhpuao1zzocdlgig guetqitwtpiteh xtflovblxcbbgnekp blucxuvdsuwnfpuapox qfasqwtgvokcewsjymvyfprkhkllbn
m rrmnxi pfmsmldwbtenlagaqfondknpvgvda jxowklfglaskpleavsrpequffafchwabistax
ombztdtphuoopccvxxzrc uhdhqcicxqjjlkvtxlpg gzheftdbzepylerlua pkhwskvyzjwvyqfctodpynlop
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ grep flag 1.txt
wpgdlpephgyifuexfariazan enplcuyhdgzaq flag{gr3p_f1nds_f1@gs!} edzqpgtzovjlsscuydpzcytle yxvlxajminxogfiduzrnu qdpqjzdxkxegymzlwspeliz gokobhceusa yfnueguqugdjgl cqnrxsxxbdvuliw
tbschhkgjtiqqxvfd vxkwqnbzdlqtpjbgngnbnbcidewovszllrbecwtl
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$
```

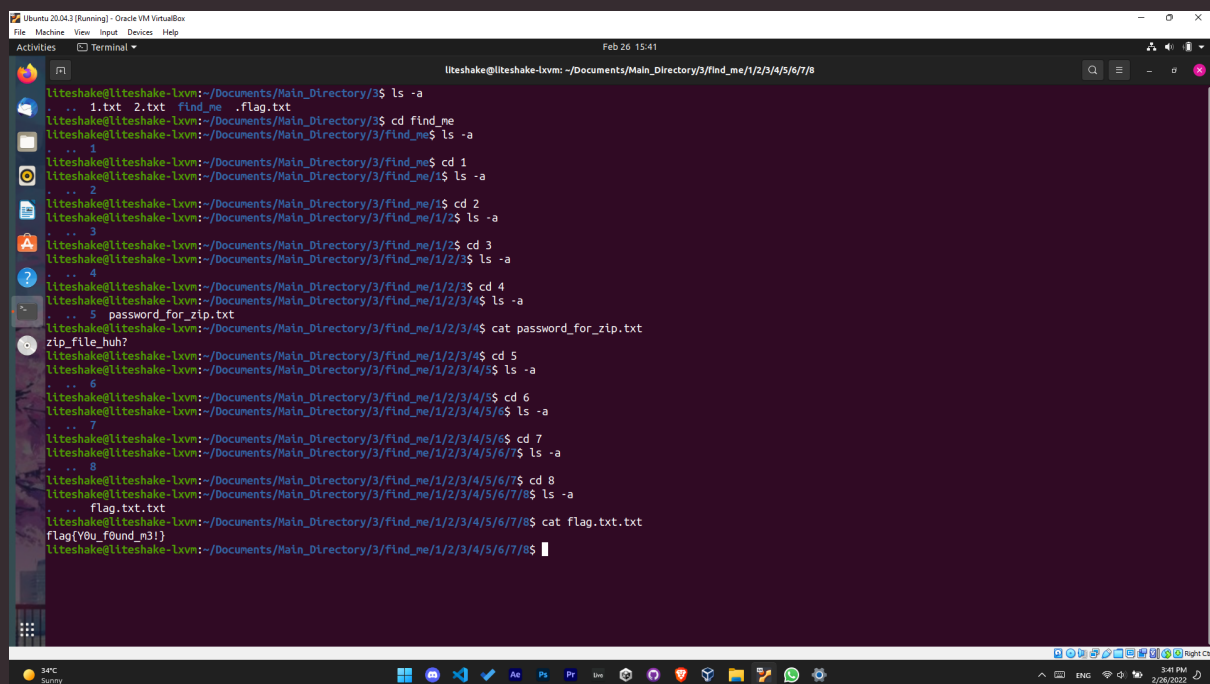
Flag 4 : flag{h1dden_fil3!}



The screenshot shows a terminal window titled "liteshake@liteshake-lxvm: ~/Documents/Main_Directory/3". The user runs the following commands:

```
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ ls -a
. 1.txt 2.txt find_me .flag.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$
```

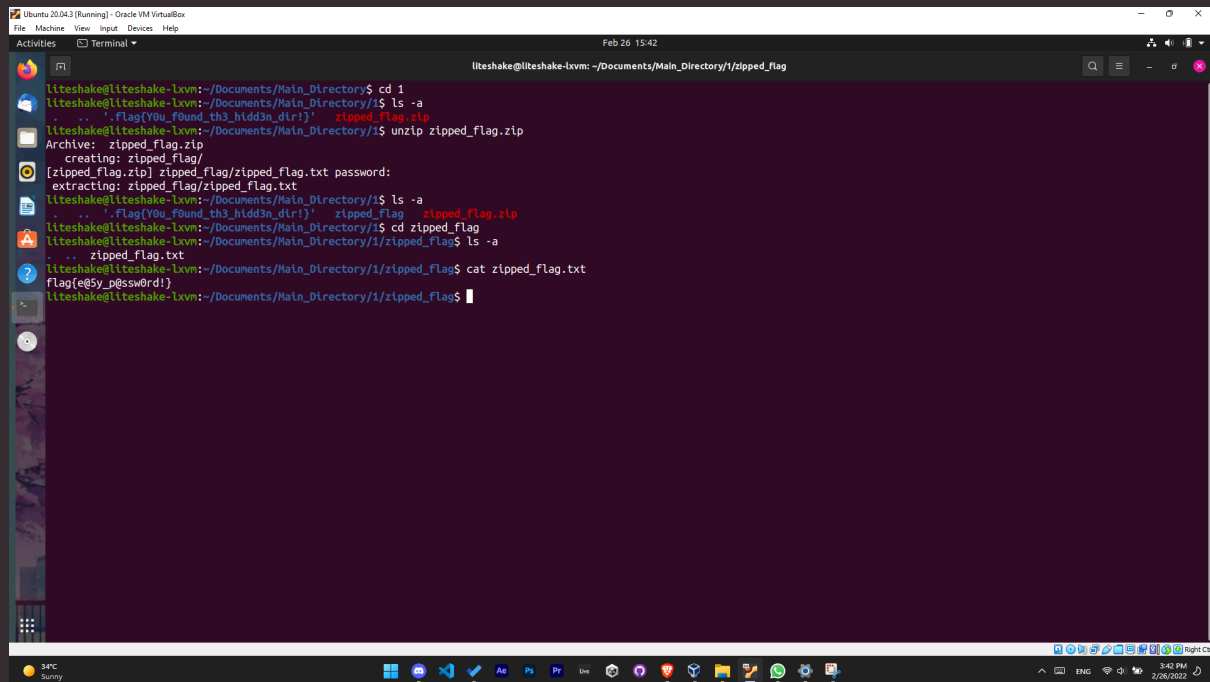
Flag 5 : flag{Y0u_f0und_m3!}



The screenshot shows a terminal window titled "liteshake@liteshake-lxvm: ~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6/7/8". The user runs the following commands:

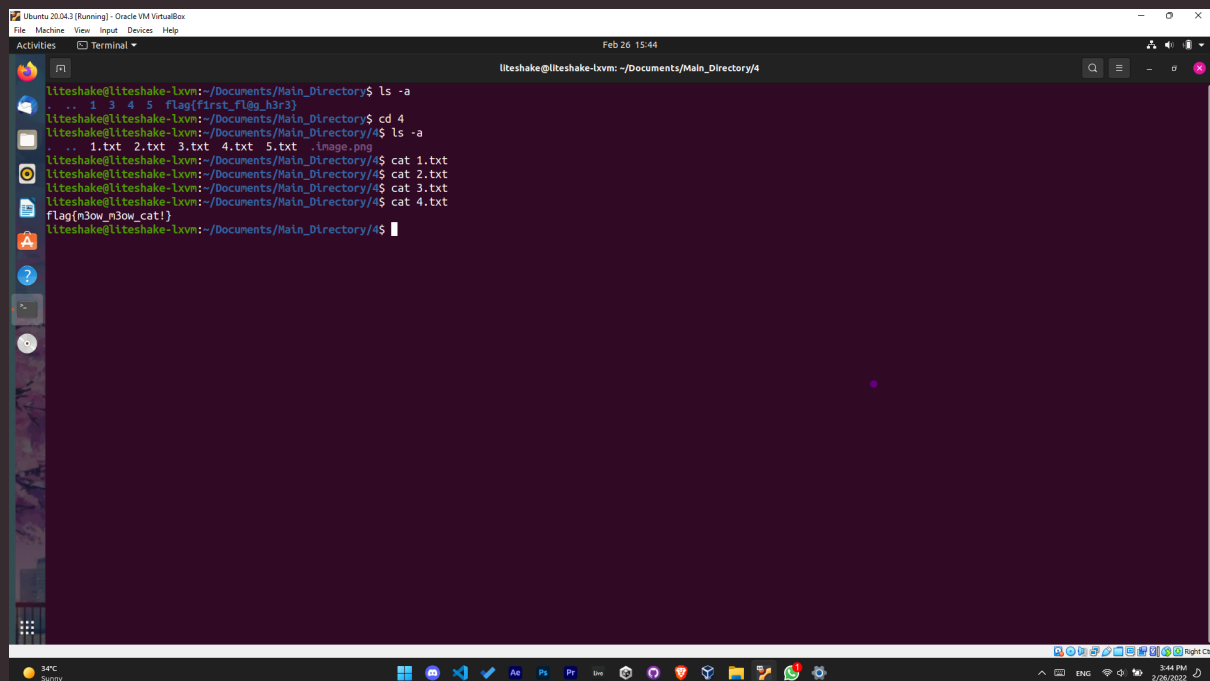
```
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ ls -a
. 1.txt 2.txt find_me .flag.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3$ cd find_me
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me$ ls -a
. 1
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me$ cd 1
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1$ ls -a
. 2
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1$ cd 2
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2$ ls -a
. 3
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2$ cd 3
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3$ ls -a
. 4
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3$ cd 4
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4$ ls -a
. 5 password_for_zip.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip file huh?
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4$ cd 5
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5$ ls -a
. 6
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6$ ls -a
. 7
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls -a
. 8
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls -a
. flag.txt.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
liteshake@liteshake-lxvm:~/Documents/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

Flag 6 : flag{e@5y_p@ssw0rd!}



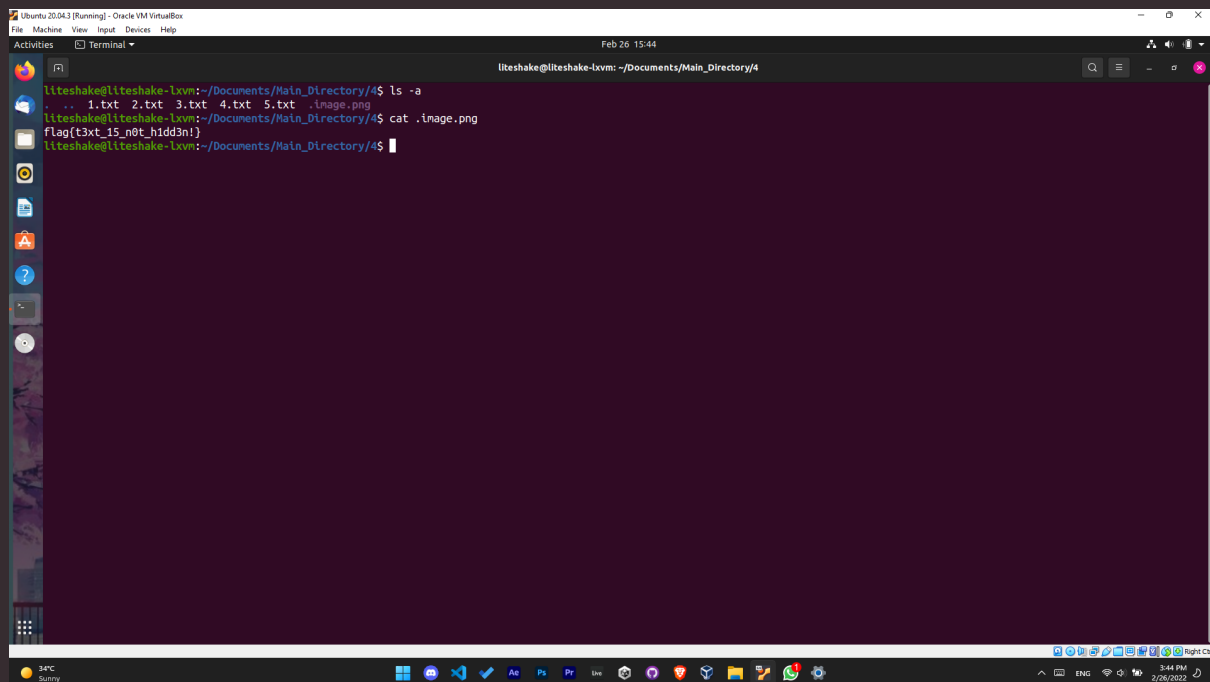
```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/1/zipped_flag
liteshake@liteshake-lxvm:~/Documents/Main_Directory$ cd 1
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1$ ls -a
. . . 'flag[V0u_f0und_th3_h1dd3n_d1r!]' zipped_flag.zip
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1$ 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
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1$ cd zipped_flag
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1/zipped_flag$ ls -a
. . . zipped_flag.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
liteshake@liteshake-lxvm:~/Documents/Main_Directory/1/zipped_flag$
```

Flag 7 : flag{m3ow_m3ow_cat!}



```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/4
liteshake@liteshake-lxvm:~/Documents/Main_Directory$ ls -a
. . . 1 3 4 5 flag{first_fl@_h3r3}
liteshake@liteshake-lxvm:~/Documents/Main_Directory$ cd 4
liteshake@liteshake-lxvm:~/Documents/Main_Directory/4$ ls -a
. . . 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
liteshake@liteshake-lxvm:~/Documents/Main_Directory/4$ cat 1.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/4$ cat 2.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/4$ cat 3.txt
liteshake@liteshake-lxvm:~/Documents/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
liteshake@liteshake-lxvm:~/Documents/Main_Directory/4$
```

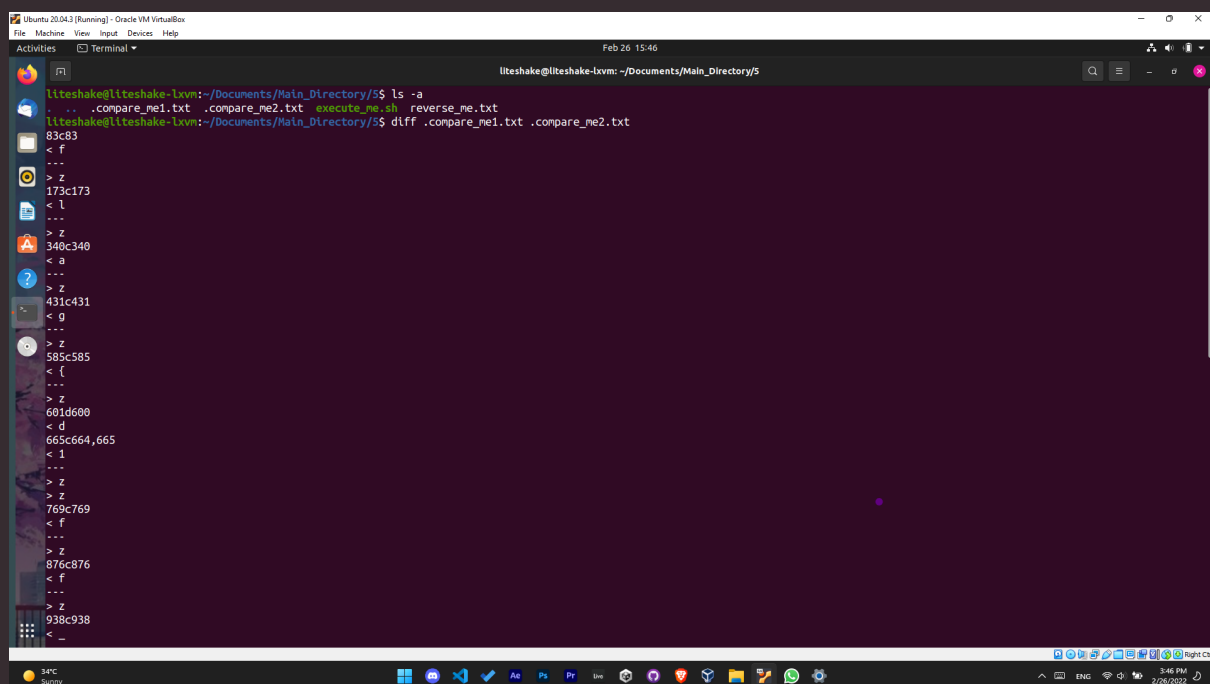
Flag 8 : flag{t3xt_15_n0t_h1dd3n!}



The screenshot shows a terminal window titled "Ubuntu 20.04.3 [Running] - Oracle VM VirtualBox". The user is in the directory ~/Documents/Main_Directory/4. They list files with 'ls -a', showing ., .., 1.txt, 2.txt, 3.txt, 4.txt, 5.txt, and .image.png. Then they use 'cat .image.png' to reveal the flag: flag{t3xt_15_n0t_h1dd3n!}.

```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/4
$ ls -a
.  ..  1.txt 2.txt 3.txt 4.txt 5.txt .image.png
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/4$ cat .image.png
flag{t3xt_15_n0t_h1dd3n!}
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/4$
```

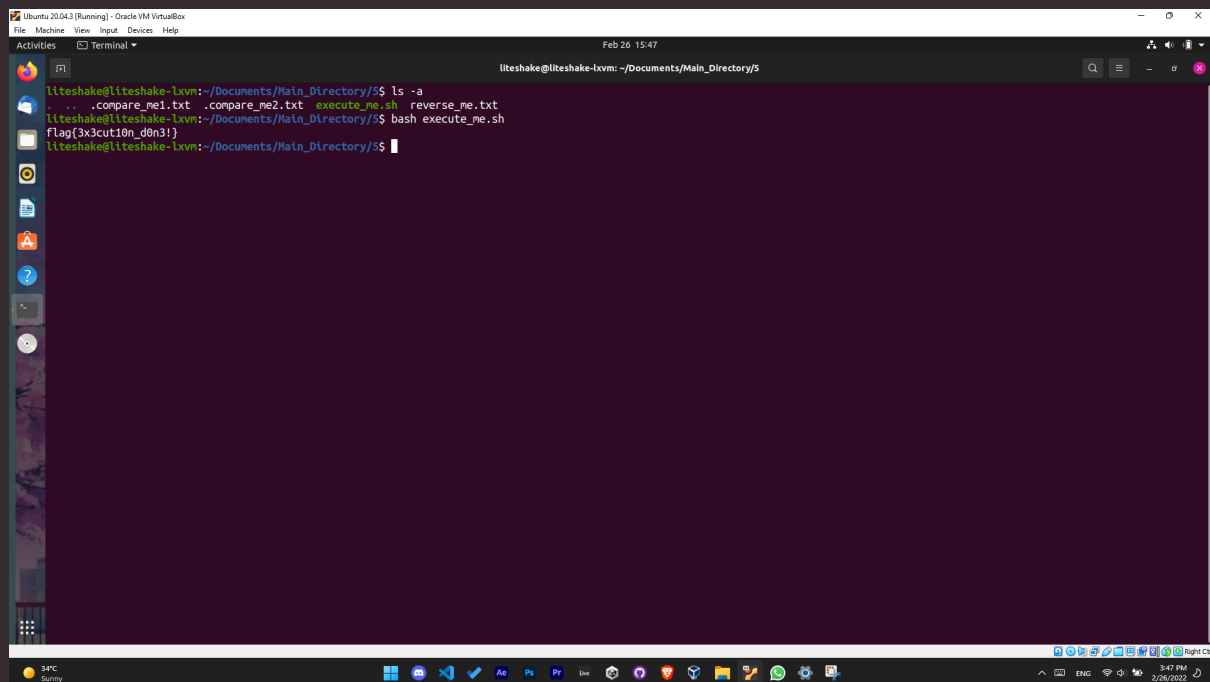
Flag 9 : flag{d1ff_15_u53fu1!}



The screenshot shows a terminal window titled "Ubuntu 20.04.3 [Running] - Oracle VM VirtualBox". The user is in the directory ~/Documents/Main_Directory/5. They list files with 'ls -a', showing ., .., .compare_me1.txt, .compare_me2.txt, execute_me.sh, and reverse_me.txt. Then they use 'diff .compare_me1.txt .compare_me2.txt' to reveal the flag: flag{d1ff_15_u53fu1!}.

```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$ ls -a
.  ..  .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$ diff .compare_me1.txt .compare_me2.txt
83c83
< f
---
> z
173c173
< l
---
> z
340c340
< a
---
> z
431c431
< g
---
> z
585c585
< {
---
> z
601d600
< d
665c664,665
< l
---
> z
769c769
< f
---
> z
876c876
< f
---
> z
938c938
< ..
```

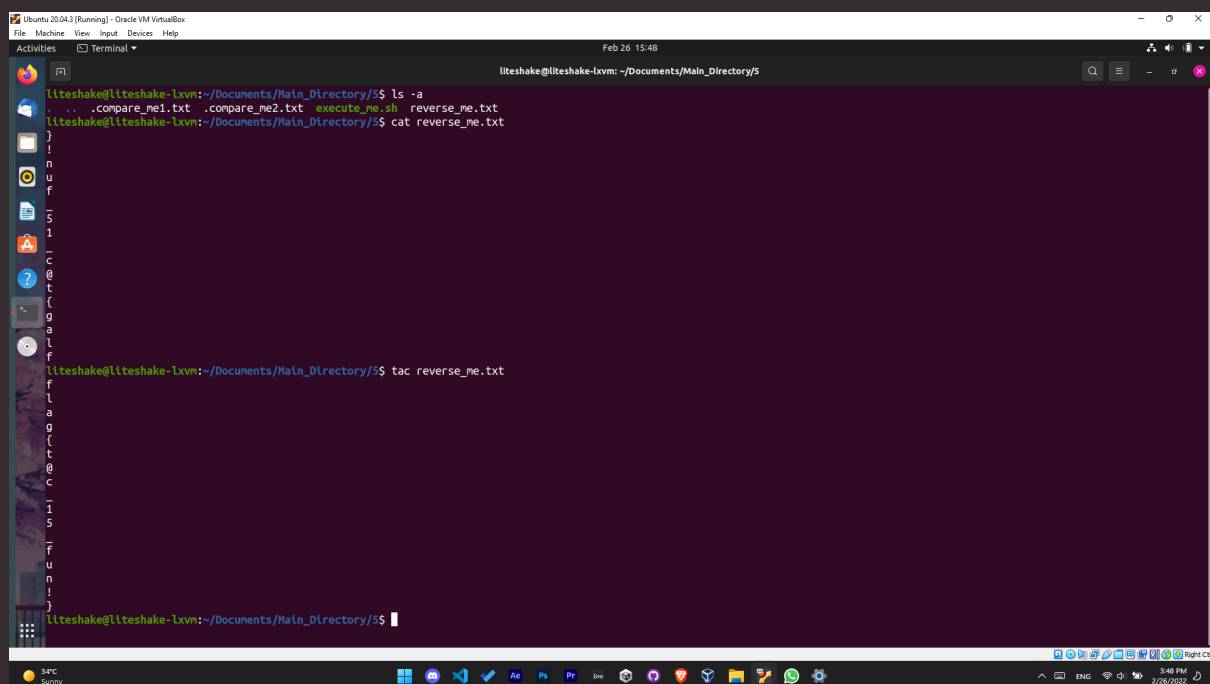
Flag 10 : flag{3x3cut10n_d0n3!}



The screenshot shows a terminal window titled "Ubuntu 20.04.3 (Running) - Oracle VM VirtualBox". The user is logged in as "liteshake" and is in the directory "/Documents/Main_Directory/5". The terminal shows the following commands and output:

```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5
$ ls -a
. . .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$ bash execute_me.sh
flag{3x3cut10n_d0n3!}
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$
```

Flag 11 : flag{t@c_15_fun!}



The screenshot shows a terminal window titled "Ubuntu 20.04.3 (Running) - Oracle VM VirtualBox". The user is logged in as "liteshake" and is in the directory "/Documents/Main_Directory/5". The terminal shows the following commands and output:

```
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$ ls -a
. . .compare_me1.txt .compare_me2.txt execute_me.sh reverse_me.txt
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$ cat reverse_me.txt
}
t
n
u
f
-
5
1
-
c
o
t
{
o
a
l
f
l
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$ tac reverse_me.txt
}
t
n
u
f
-
5
1
-
c
o
t
{
o
a
l
f
l
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
liteshake@liteshake-lxvm: ~/Documents/Main_Directory/5$
```