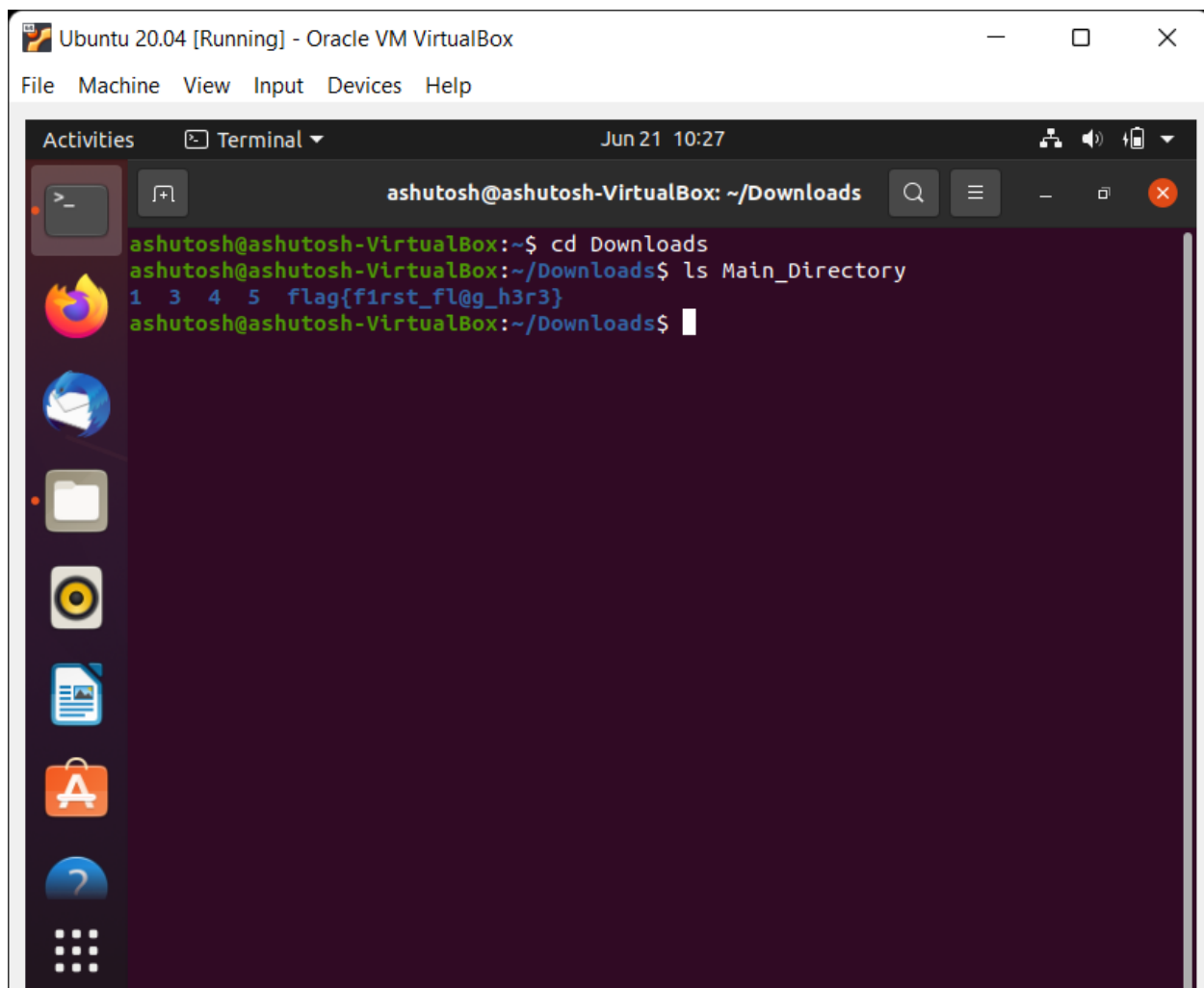


**ASHUTOSH P**  
**CH.EN.U4CSE20007**

## **COGNIZANCE TASK - 4.**

**Flags:**

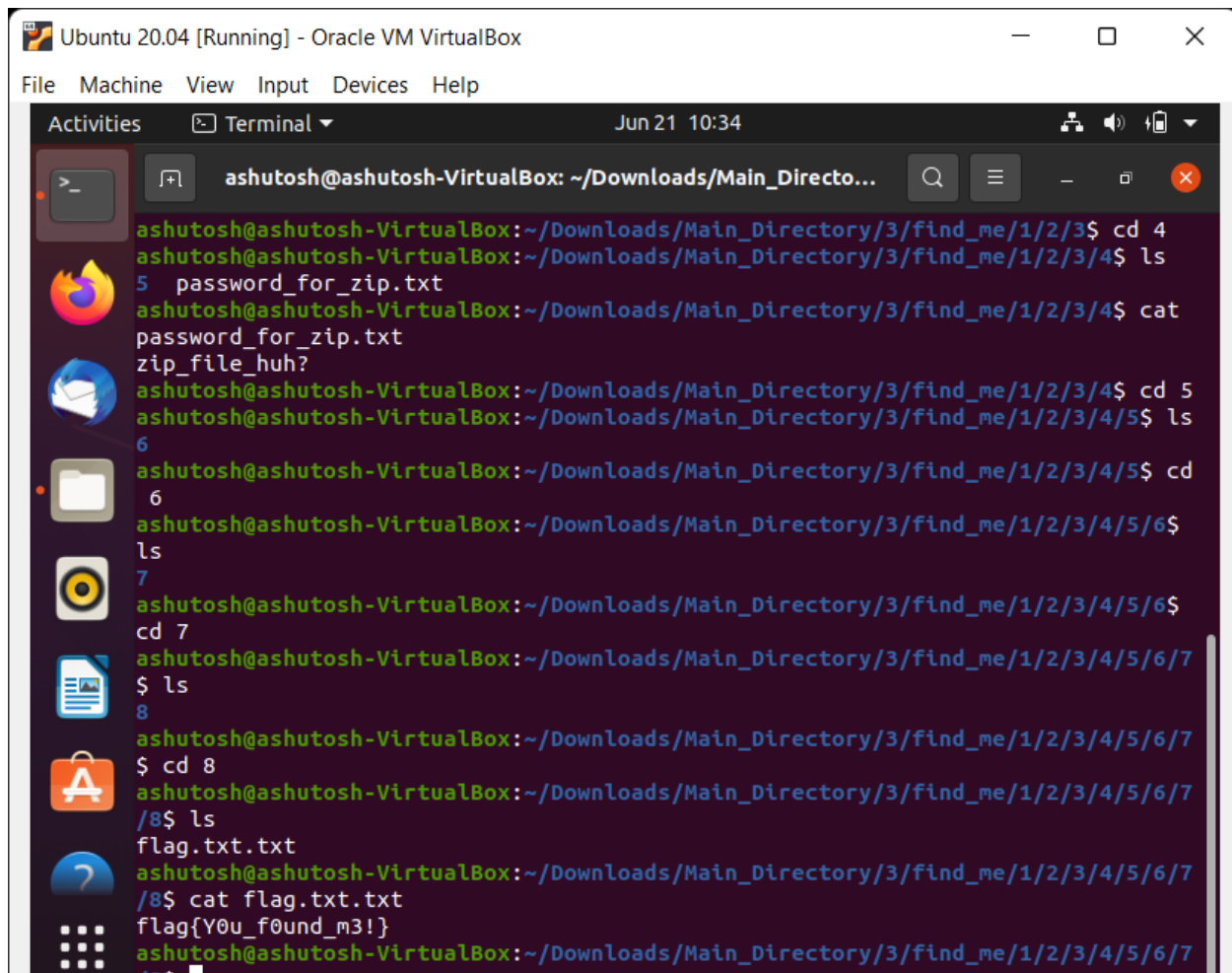
**Flag - 1: flag{f1rst\_f1@g\_h3r3}**



The screenshot shows a terminal window within an Ubuntu 20.04 virtual machine. The user has navigated to the Downloads directory and listed the contents of a file named 'Main\_Directory'. The output shows a list of files with indices 1 through 5, where index 5 is 'flag{f1rst\_f1@g\_h3r3}'.

```
ashutosh@ashutosh-VirtualBox: ~/Downloads
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ ls Main_Directory
1 3 4 5 flag{f1rst_f1@g_h3r3}
ashutosh@ashutosh-VirtualBox:~/Downloads$
```

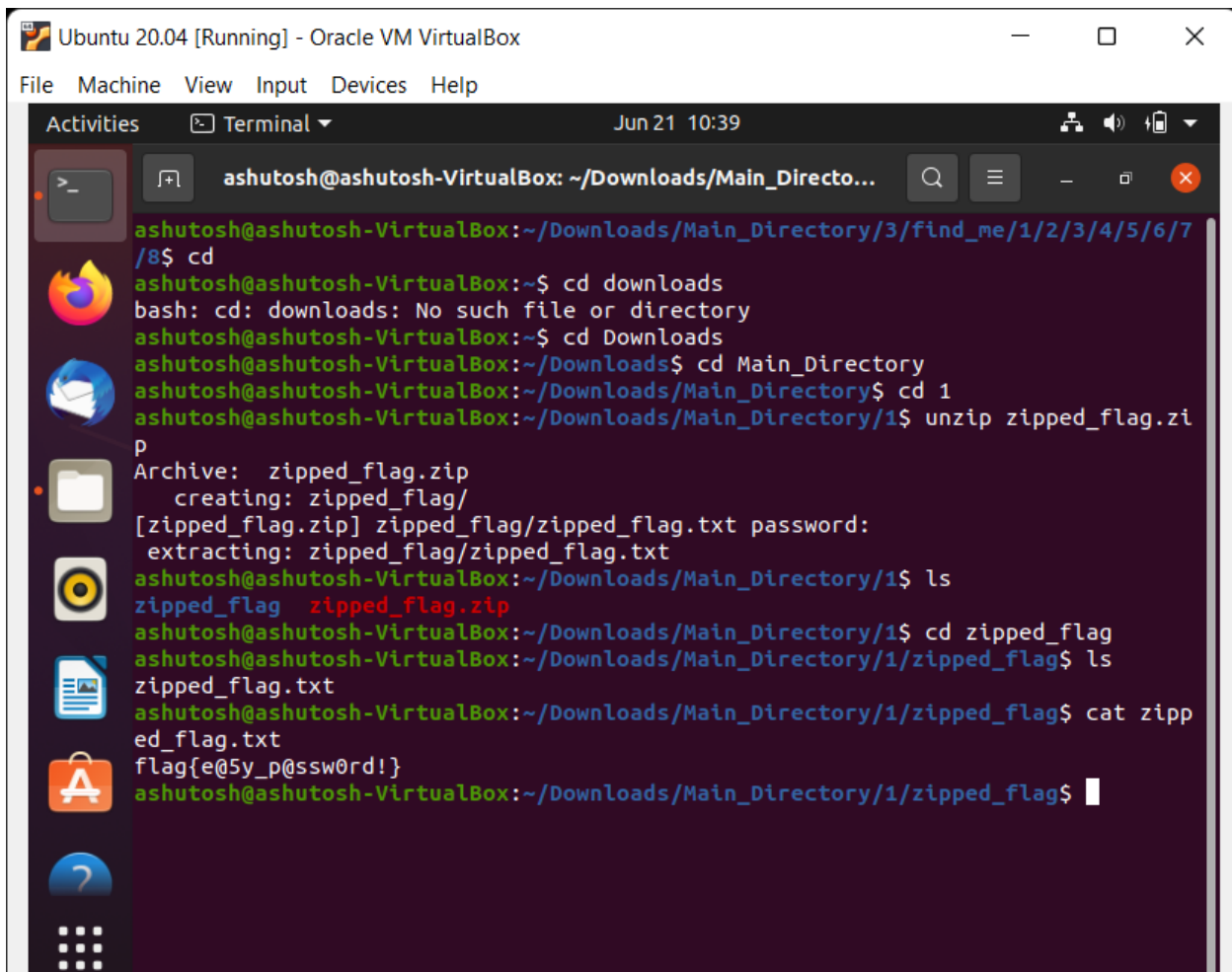
## Flag - 2: flag{Y0u\_f0und\_m3!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal session is conducted by a user named "ashutosh" in a directory structure under "~/Downloads/Main\_Directo...". The user navigates through a series of directories (4, 5, 6, 7, 8) and finds a file named "flag.txt.txt" in directory 8. The flag is "flag{Y0u\_f0und\_m3!}".

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

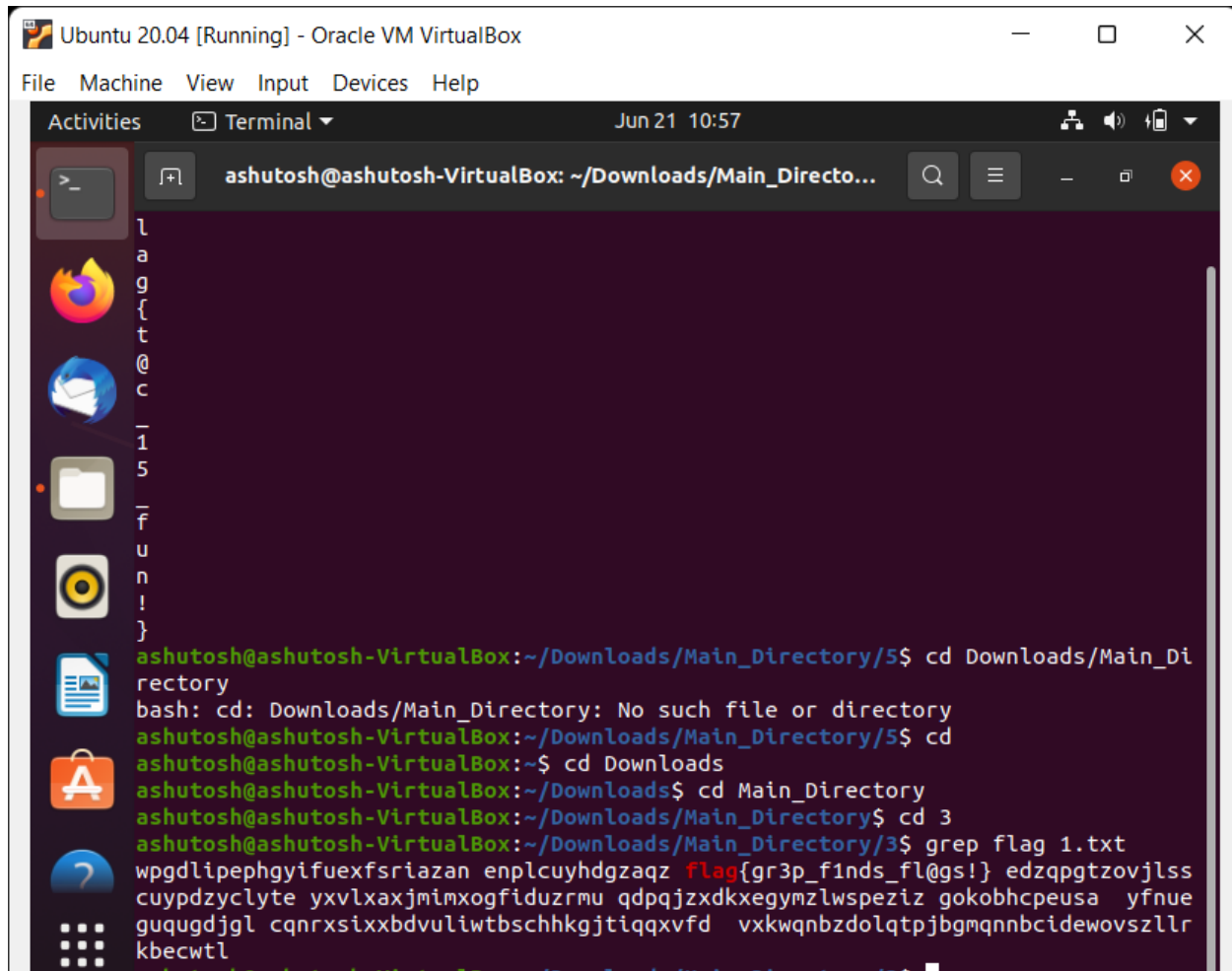
## Flag - 3: flag{e@sy\_p@ssw0rd!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal output is as follows:

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cd
ashutosh@ashutosh-VirtualBox:~$ cd downloads
bash: cd: downloads: No such file or directory
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 1
ashutosh@ashutosh-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
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@sy_p@ssw0rd!}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$
```

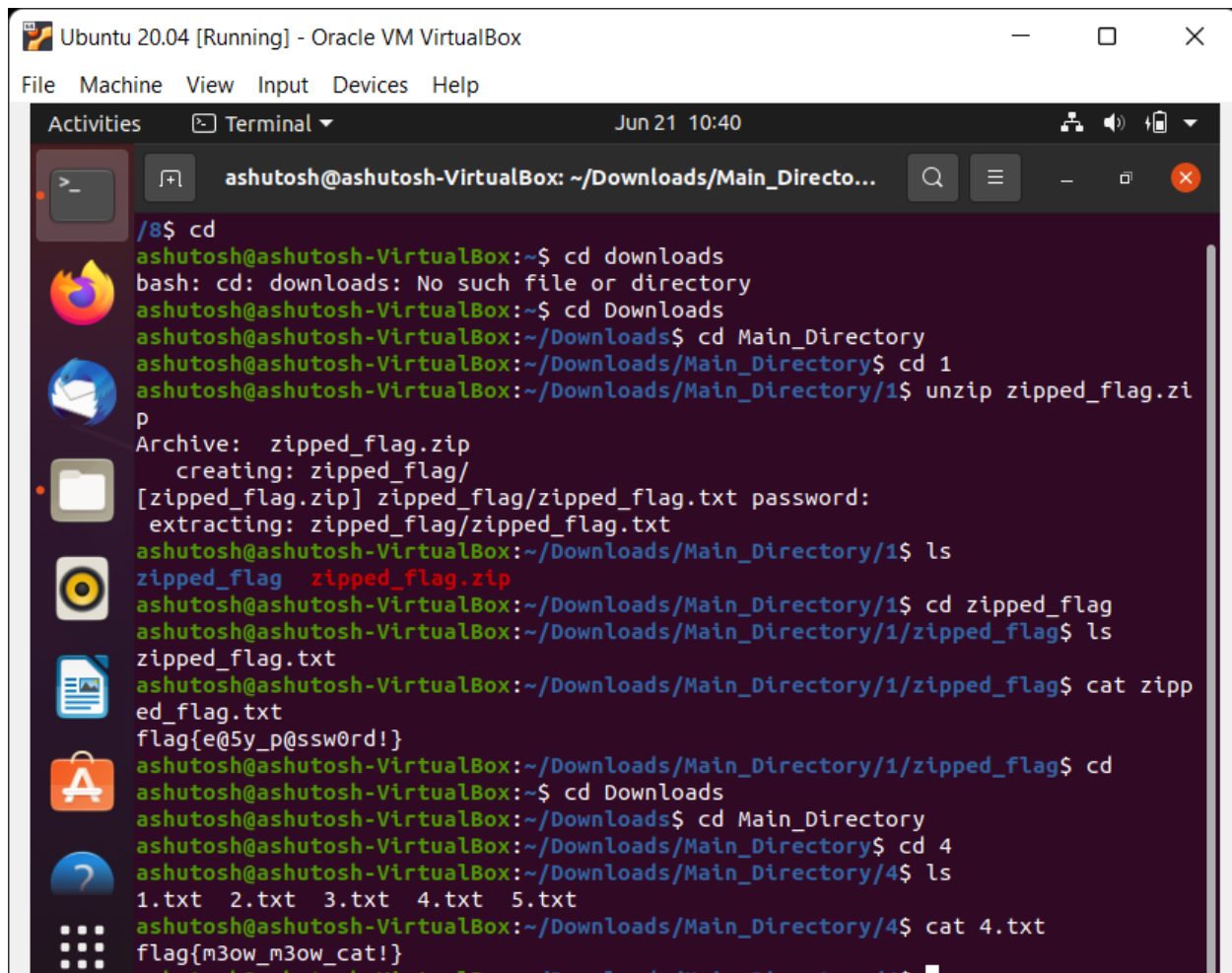
## Flag - 4: flag{gr3p\_f1nds\_f1@gsl!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal is running on a host named "ashutosh@ashutosh-VirtualBox". The user is navigating through a directory structure to find a flag. The terminal output is as follows:

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
l
a
g
{
t
@
c
-
1
5
-
f
u
n
!
}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ cd Downloads/Main_Di
rectory
bash: cd: Downloads/Main_Directory: No such file or directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ cd
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 3
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$ grep flag 1.txt
wpgdliphephyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_f1@gsl!} edzqpgtzovjlss
cuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzxdkxegymzlwspeziz gokobhcpeusa yfnue
guqugdjgl cqnrxsixxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdolqtpjbgmqnnbcidewovszllr
kbecwtl
```

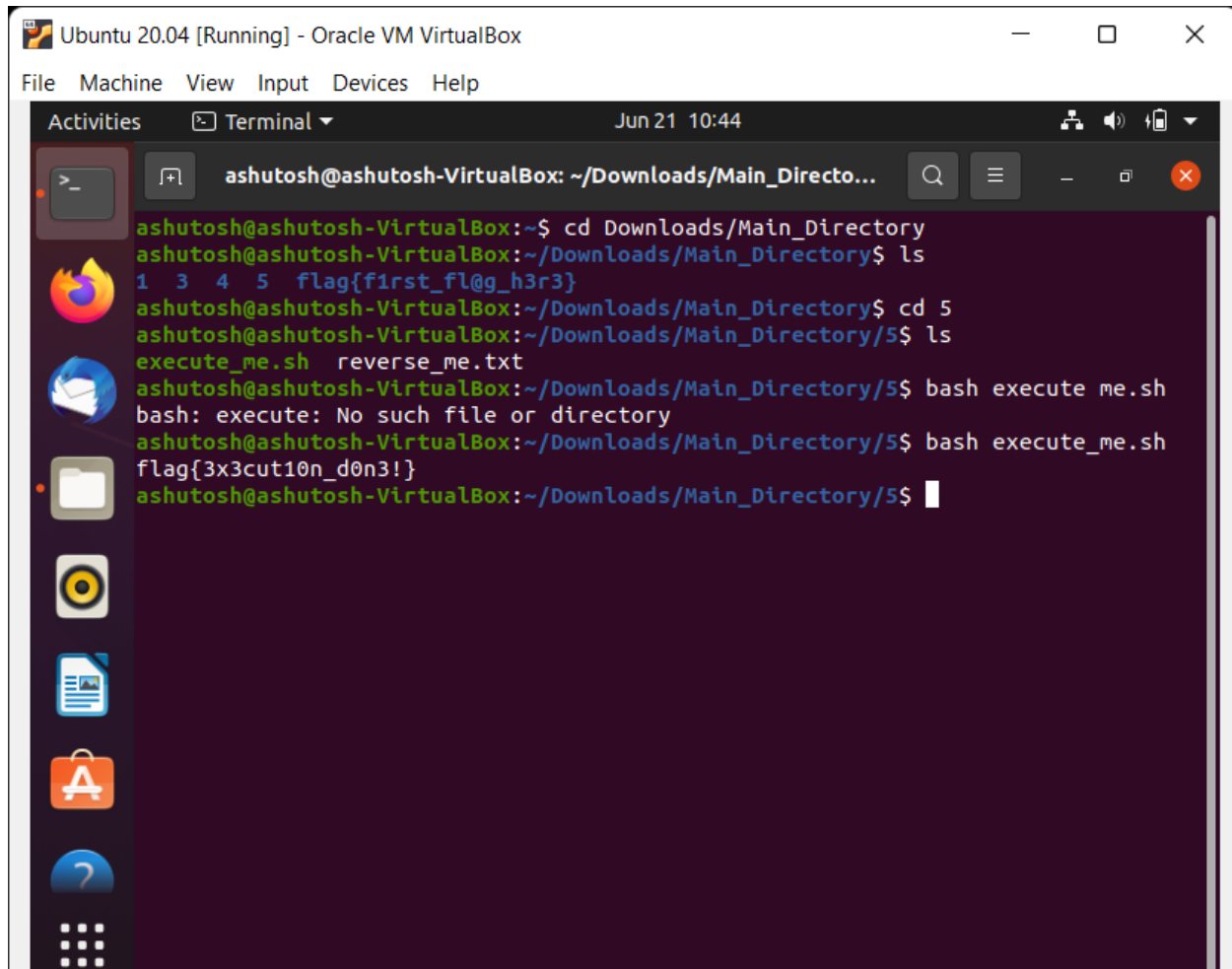
## Flag - 5: flag{m3ow\_m3ow\_cat!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The user is navigating through directories and extracting a zip file to find a flag.

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
/8$ cd
ashutosh@ashutosh-VirtualBox:~$ cd downloads
bash: cd: downloads: No such file or directory
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 1
ashutosh@ashutosh-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
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cd
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 4
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
```

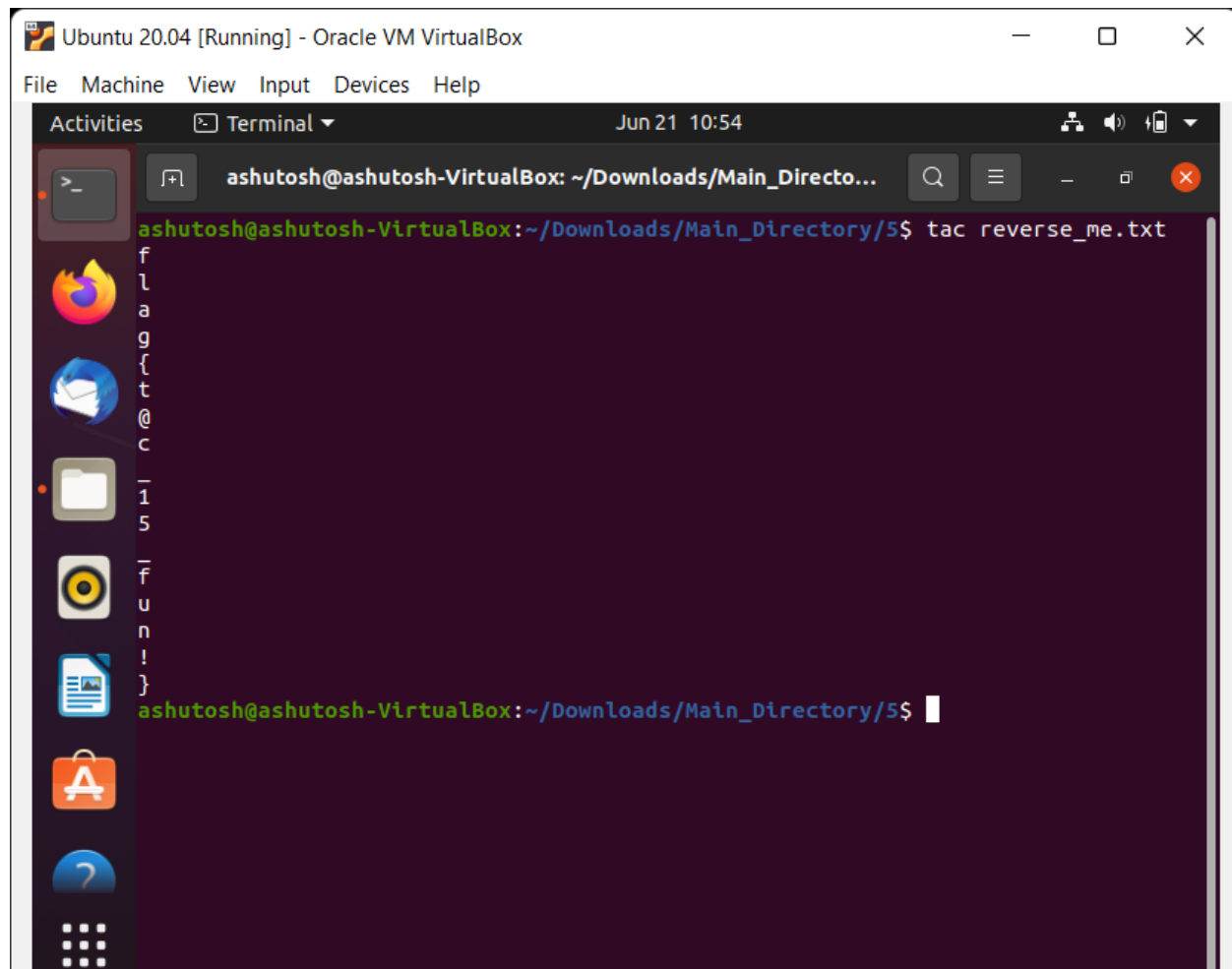
## Flag - 6: flag{3x3cut10n\_d0n3!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal output is as follows:

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
ashutosh@ashutosh-VirtualBox:~$ cd Downloads/Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 5
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh reverse_me.txt
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ bash execute_me.sh
bash: execute: No such file or directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ bash execute_me.sh
flag{3x3cut10n_d0n3!}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$
```

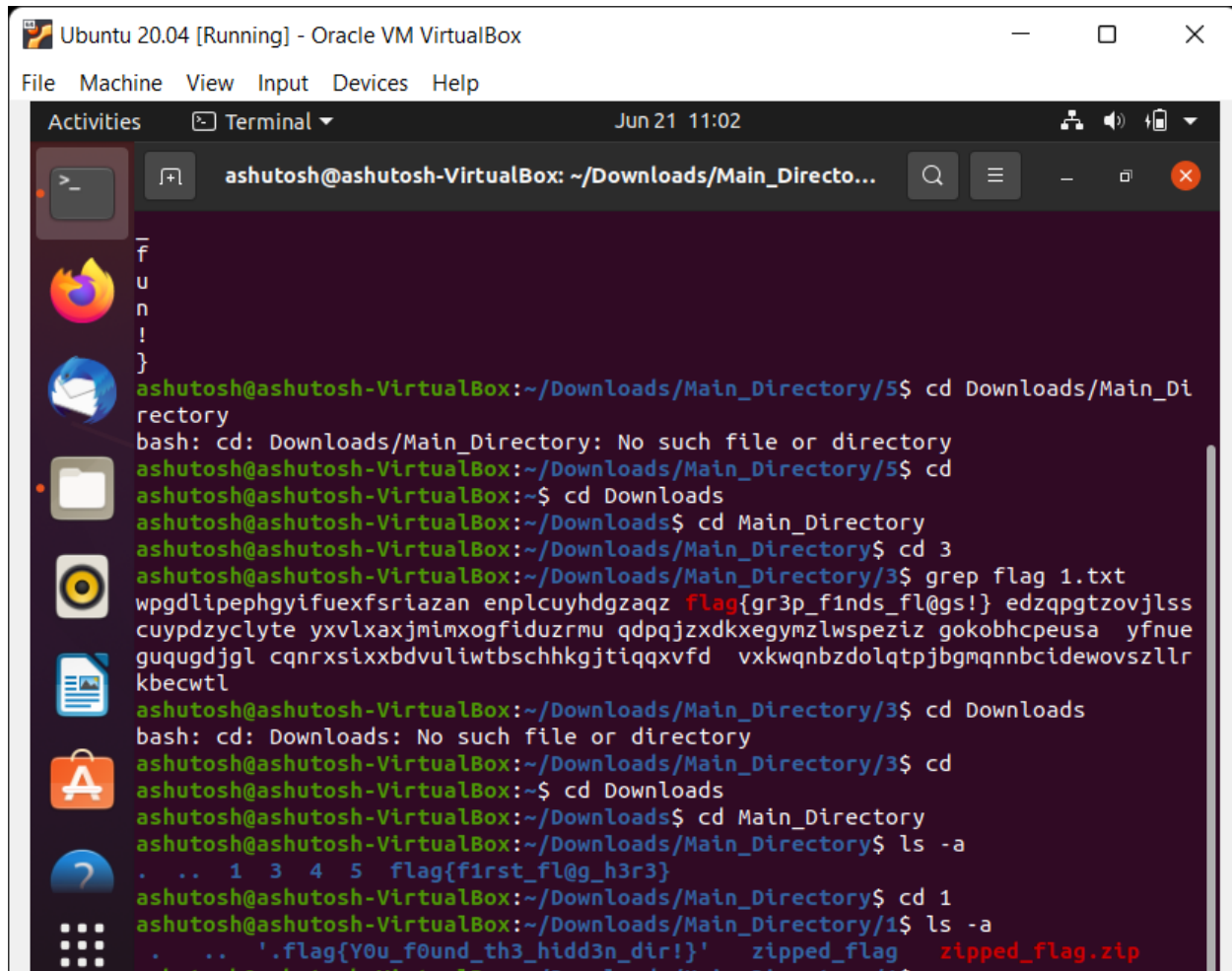
## Flag - 7: flag{t@c\_15\_fun!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal is running the command `tac reverse_me.txt`, which outputs the flag `flag{t@c_15_fun!}` in reverse order. The terminal window is part of a desktop environment with a sidebar containing icons for various applications like Firefox, Mail, Files, and the Dash.

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ tac reverse_me.txt
f
l
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$
```

## Flag - 8: flag{Y0u\_f0und\_th3\_hidd3n\_dir!}

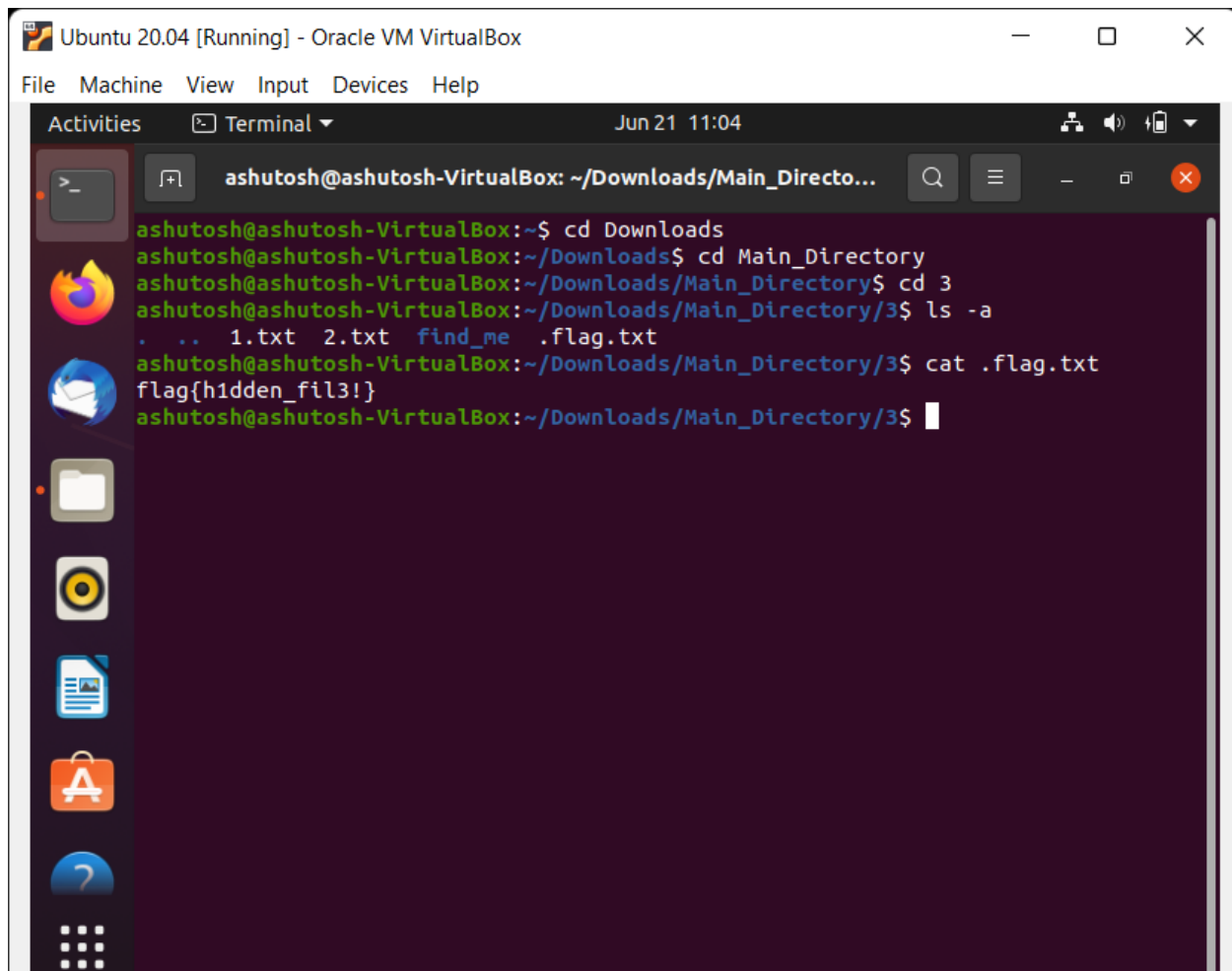


The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The user is navigating through a directory structure to find a hidden directory. The terminal output is as follows:

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
f
u
n
!
}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ cd Downloads/Main_Di
rectory
bash: cd: Downloads/Main_Directory: No such file or directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ cd
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 3
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$ grep flag 1.txt
wpgdlipephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlss
cuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzdxkxegymzlwspeziz gokobhcpeusa yfnue
guqugdjgl cqnrxsixxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdlqtpjbgmqnnbcidewovszllr
kbecwtl
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$ cd Downloads
bash: cd: Downloads: No such file or directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$ cd
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ ls -a
.  ..  1  3  4  5  flag{first_fl@g_h3r3}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 1
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/1$ ls -a
.  ..  '.flag{Y0u_f0und_th3_hidd3n_dir!}'  zipped_flag  zipped_flag.zip
```



## Flag - 9: flag{h1dden\_fil3!}

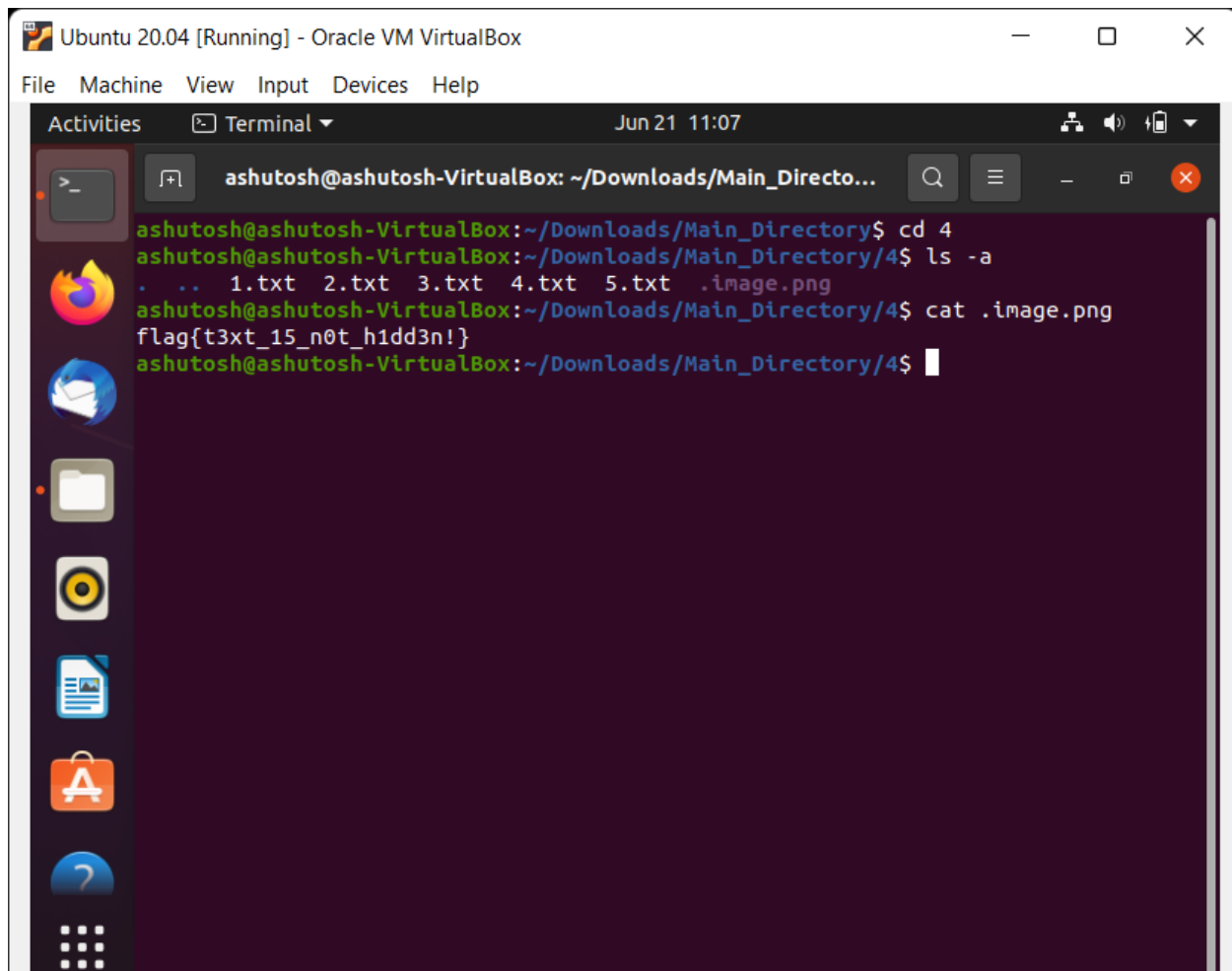


The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal output is as follows:

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
ashutosh@ashutosh-VirtualBox:~$ cd Downloads
ashutosh@ashutosh-VirtualBox:~/Downloads$ cd Main_Directory
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 3
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$ ls -a
.  ..  1.txt  2.txt  find_me  .flag.txt
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/3$
```

The terminal window is part of a desktop environment with a sidebar on the left containing icons for various applications like Firefox, a mail client, a file manager, and a music player. The top of the window shows the date and time as "Jun 21 11:04".

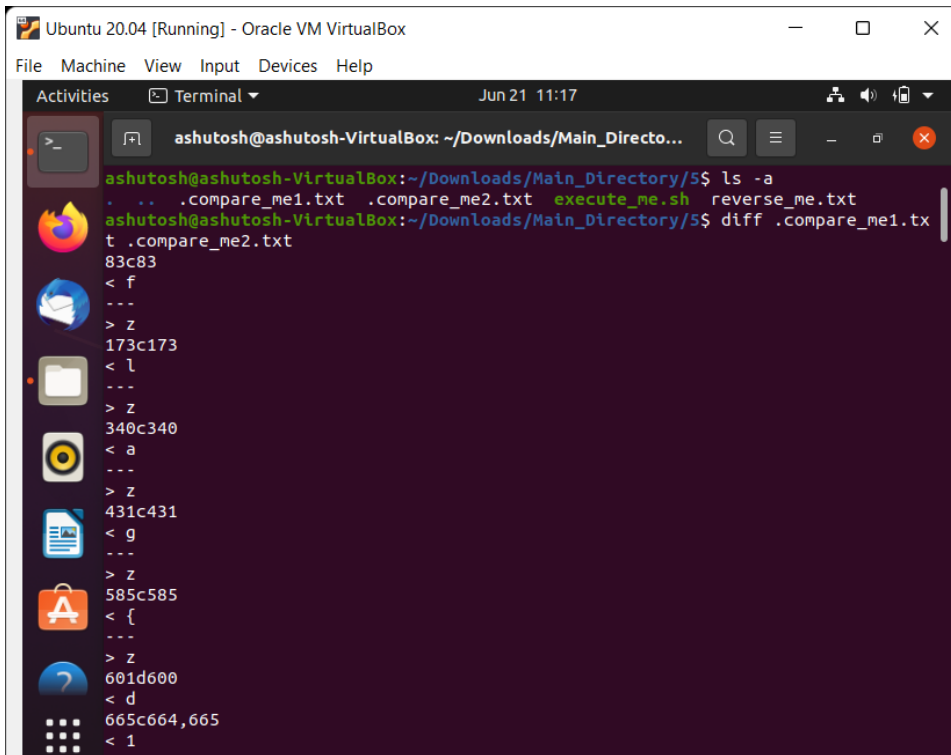
## Flag - 10: flag{t3xt\_15\_n0t\_h1dd3n!}



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal is running as the user "ashutosh" in the directory "~/Downloads/Main\_Directo...". The user has navigated to a subdirectory "4" and listed its contents. The output of the "ls -a" command shows files "1.txt", "2.txt", "3.txt", "4.txt", "5.txt", and ".image.png". The user then runs the "cat .image.png" command, which outputs the flag "flag{t3xt\_15\_n0t\_h1dd3n!}".

```
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directo...
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory$ cd 4
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/4$ ls -a
.  ..  1.txt  2.txt  3.txt  4.txt  5.txt  .image.png
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/4$ cat .image.png
flag{t3xt_15_n0t_h1dd3n!}
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/4$
```

## Flag - 11: flag{d1ff\_15\_u53ful!}



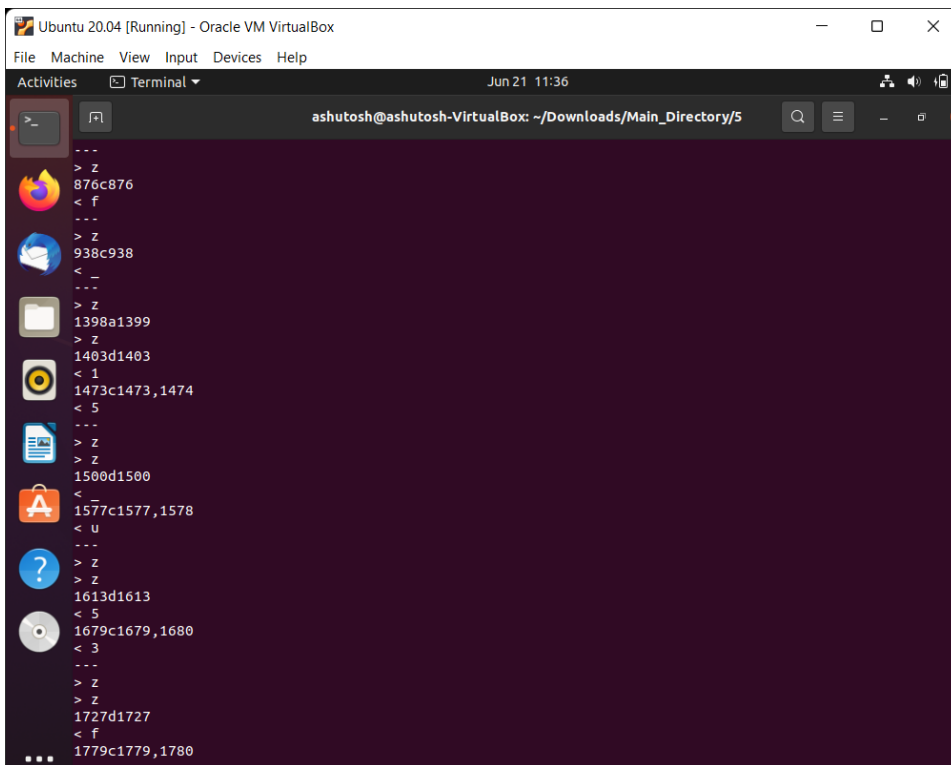
Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 21 11:17

ashutosh@ashutosh-VirtualBox: ~/Downloads/Main\_Directo...

```
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ ls -la
.  ..  .compare_me1.txt  .compare_me2.txt  execute_me.sh  reverse_me.txt
ashutosh@ashutosh-VirtualBox:~/Downloads/Main_Directory/5$ diff .compare_me1.tx
t .compare_me2.txt
83c83
< f
---
> z
173c173
< l
---
> z
340c340
< a
---
> z
431c431
< g
---
> z
585c585
< {
---
> z
601d600
< d
665c664,665
< 1
```



Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 21 11:36

ashutosh@ashutosh-VirtualBox: ~/Downloads/Main\_Directory/5

```
---
> z
876c876
< f
---
> z
938c938
< _
---
> z
1398a1399
> z
1403d1403
< 1
1473c1473,1474
< 5
---
> z
> z
1500d1500
< _
1577c1577,1578
< u
---
> z
> z
1613d1613
< 5
1679c1679,1680
< 3
---
> z
> z
1727d1727
< f
1779c1779,1780
< u
```

```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Jun 21 11:35
ashutosh@ashutosh-VirtualBox: ~/Downloads/Main_Directory/5

1403d1403
< 1
1473c1473,1474
< 5
---
> z
> z
1500d1500
< _
1577c1577,1578
< u
---
> z
> z
1613d1613
< 5
1679c1679,1680
< 3
---
> z
> z
1727d1727
< f
1779c1779,1780
< u
---
> z
> z
1823d1823
< l
1897,1898c1897,1899
< !
< }
---
> z
> z
> z
```