



**COGNIZANCE CLUB**

**PRELIMINARY**

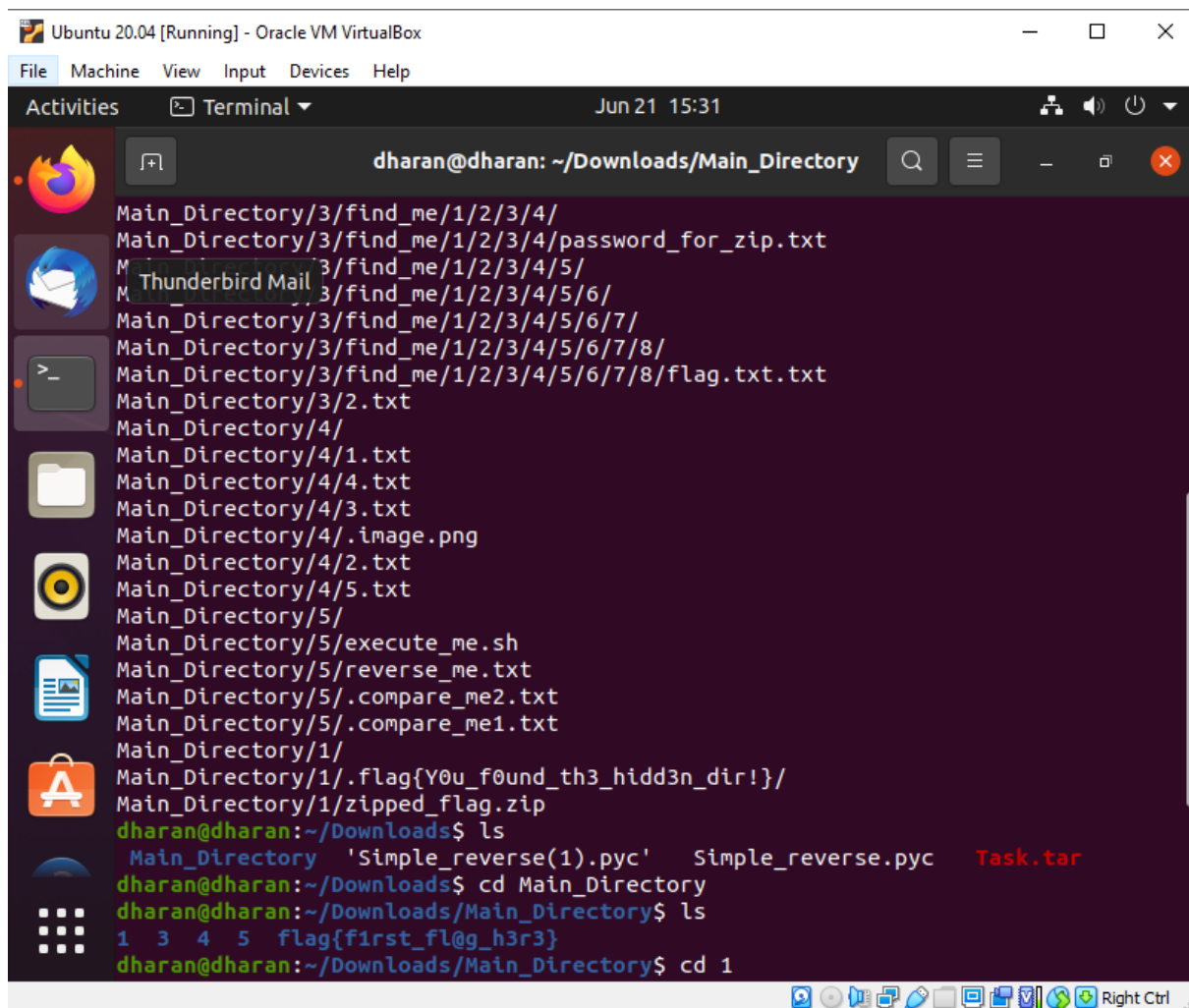
**Name:** Dharan Kumar

**Roll No:** CH.EN.U4CSE20019

**Topic:** Task-4 (CYS Basics)

## Part 1

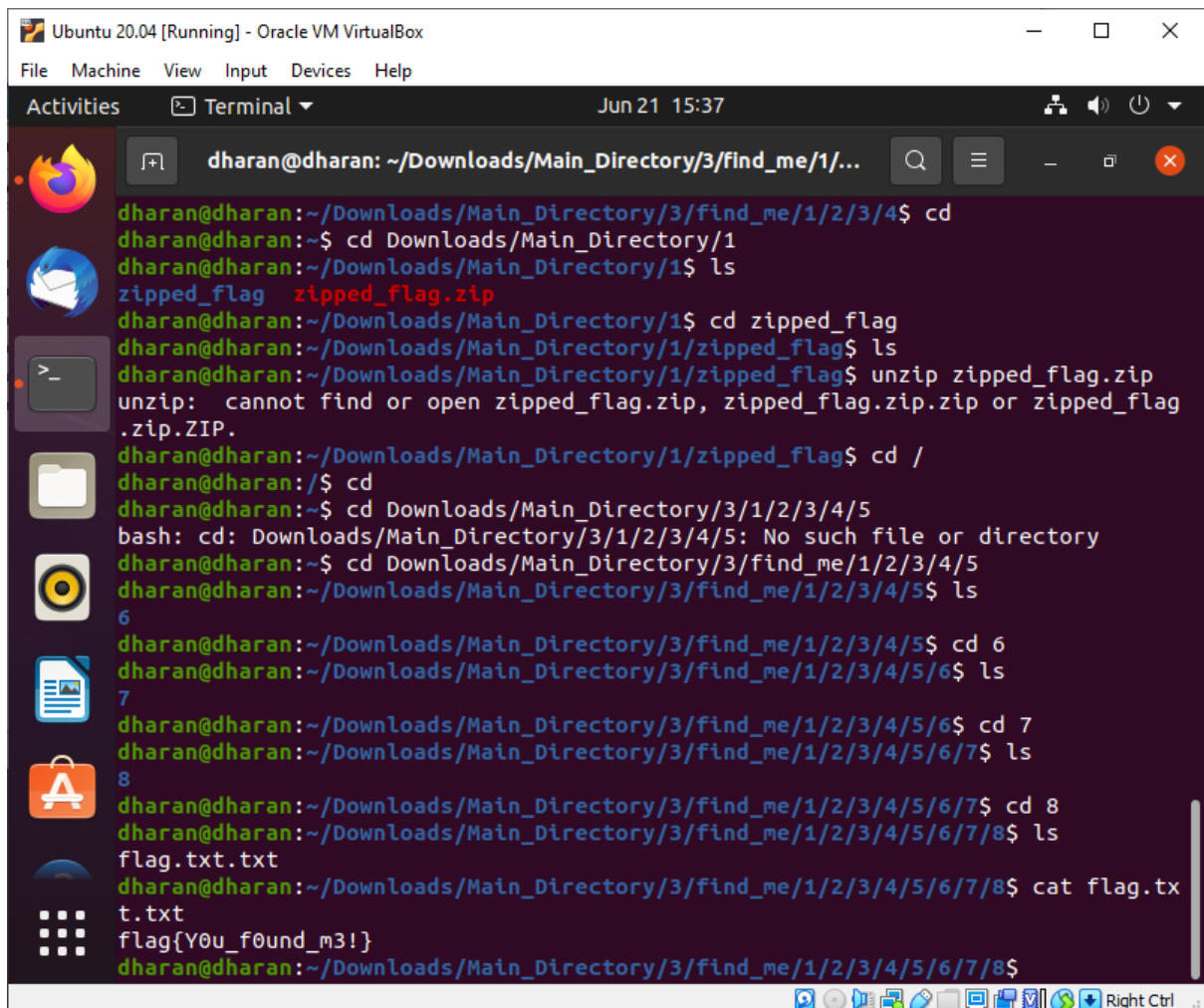
1) Flag1: flag{first\_fl@g\_h3r3}



```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Jun 21 15:31
dharan@dharan: ~/Downloads/Main_Directory

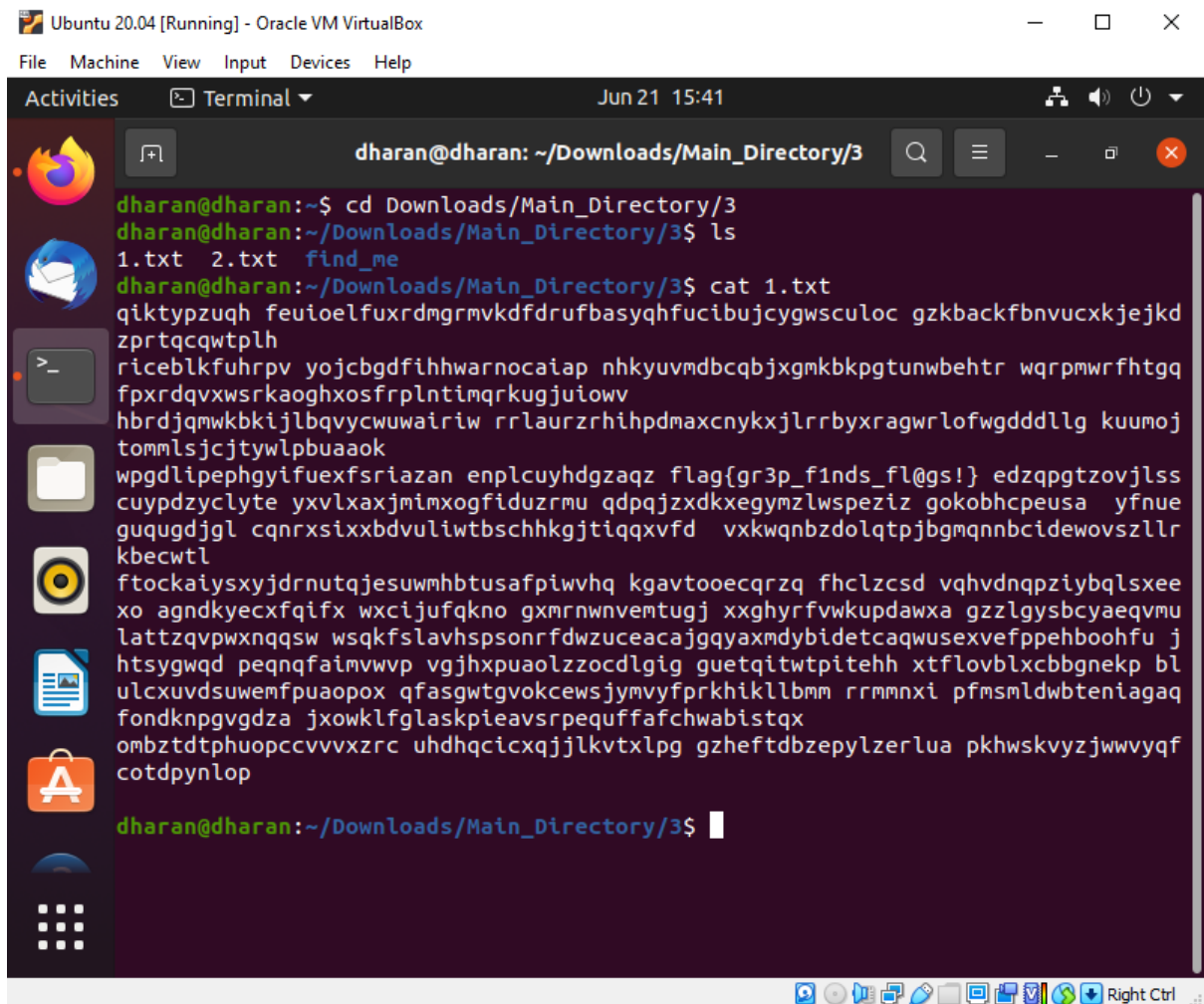
Main_Directory/3/find_me/1/2/3/4/
Main_Directory/3/find_me/1/2/3/4/password_for_zip.txt
Main_Directory/3/find_me/1/2/3/4/5/
Main_Directory/3/find_me/1/2/3/4/5/6/
Main_Directory/3/find_me/1/2/3/4/5/6/7/
Main_Directory/3/find_me/1/2/3/4/5/6/7/8/
Main_Directory/3/find_me/1/2/3/4/5/6/7/8/flag.txt.txt
Main_Directory/3/2.txt
Main_Directory/4/
Main_Directory/4/1.txt
Main_Directory/4/4.txt
Main_Directory/4/3.txt
Main_Directory/4/.image.png
Main_Directory/4/2.txt
Main_Directory/4/5.txt
Main_Directory/5/
Main_Directory/5/execute_me.sh
Main_Directory/5/reverse_me.txt
Main_Directory/5/.compare_me2.txt
Main_Directory/5/.compare_me1.txt
Main_Directory/1/
Main_Directory/1/.flag{Y0u_f0und_th3_hidd3n_dir!}/
Main_Directory/1/zipped_flag.zip
dharan@dharan:~/Downloads$ ls
Main_Directory 'Simple_reverse(1).pyc' Simple_reverse.pyc Task.tar
dharan@dharan:~/Downloads$ cd Main_Directory
dharan@dharan:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
dharan@dharan:~/Downloads/Main_Directory$ cd 1
```

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



```
Ubuntu 20.04 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Jun 21 15:37
dharan@dharan: ~/Downloads/Main_Directory/3/find_me/1/...
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd
dharan@dharan:~$ cd Downloads/Main_Directory/1
dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ cd zipped_flag
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ ls
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ unzip zipped_flag.zip
unzip: cannot find or open zipped_flag.zip, zipped_flag.zip.zip or zipped_flag
.zip.ZIP.
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ cd /
dharan@dharan:/$ cd
dharan@dharan:~$ cd Downloads/Main_Directory/3/1/2/3/4/5
bash: cd: Downloads/Main_Directory/3/1/2/3/4/5: No such file or directory
dharan@dharan:~$ cd Downloads/Main_Directory/3/find_me/1/2/3/4/5
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.tx
t.txt
flag{Y0u_f0und_m3!}
dharan@dharan:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$
```

### 3) Flag 3: flag{gr3p\_f1nds\_fl@gs!}

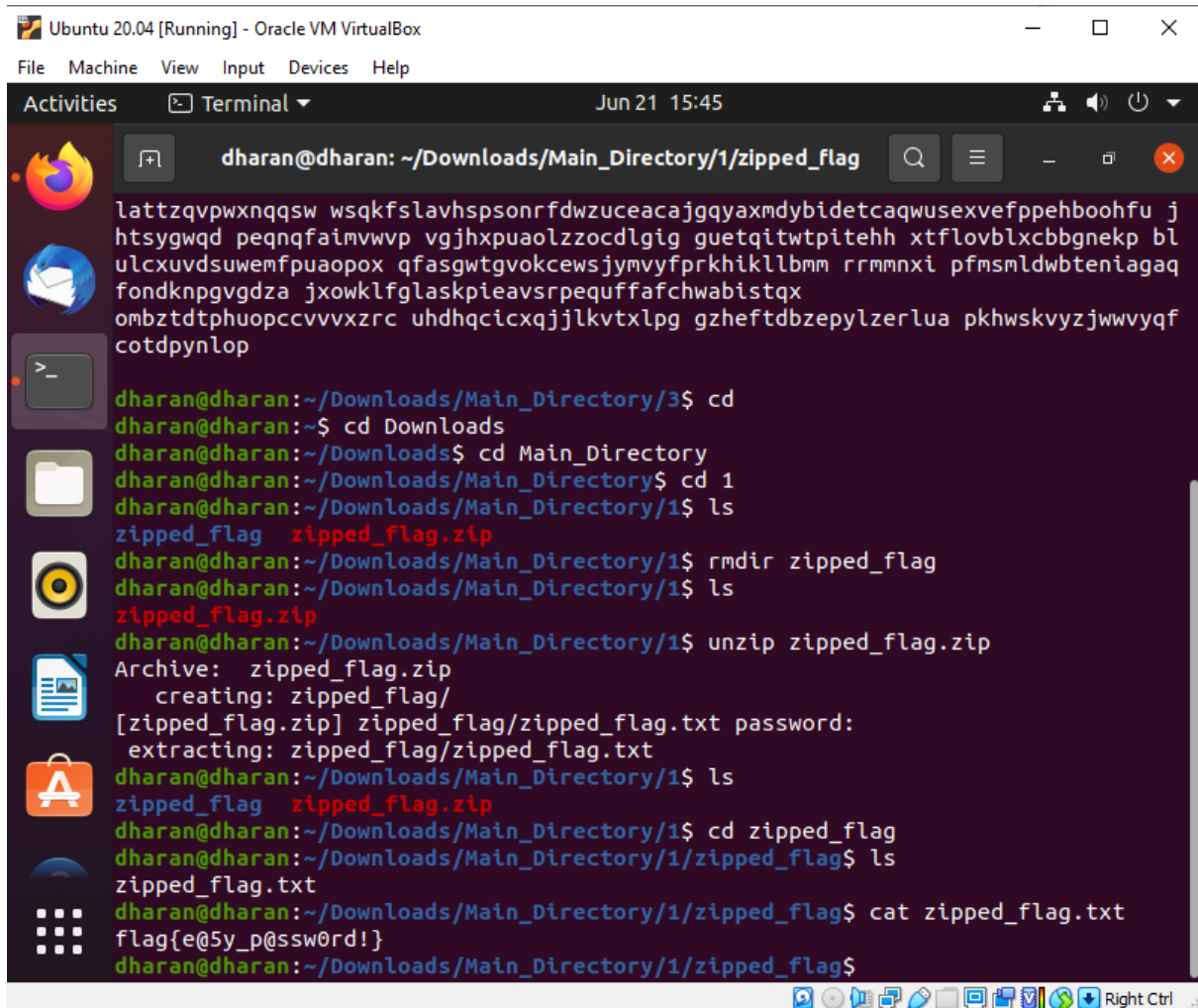


The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal is running a series of commands to find a flag in a file named "1.txt". The commands and their outputs are as follows:

```
dhara@dhara: ~/Downloads/Main_Directory/3
dhara@dhara:~$ cd Downloads/Main_Directory/3
dhara@dhara:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
dhara@dhara:~/Downloads/Main_Directory/3$ cat 1.txt
qiktypzquh feuiouelfuxrdnrmvkdfrufbasyqhfucibujcygwsculoc gzckbackfbnvucxkjejd
zprtqcqwtpth
riceblkfuhpv yojcbgdfihhwarnocaiap nhkyuvmdbcbjxgmkbkpgtunwbeht wqrpwmwrfhtgq
fpxrdqvxwsrkaoghxosfrplntimqrkugjuiov
hbrdjmqwbkijlbqvyuwuairw rrlaurzrhthpdmxcnykxjlrrbyxragwrlfwgdddlg kuumoj
tommlsjcjtywlpbuaaok
wpgdliphephyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjlss
cuydpdzyclyte yxvlxaxjminxogfiduzrmu qdpqjzdxkxegymzlspeziz gokobhceusa yfnue
guqugdjgl cqnrxsxxbdvuliwtbschhkgjtiqqxvfd vxkwqnbzdolqtpjbgmqnnbcidewovszllr
kbecwtl
ftockaiysxyjdrnutqjesuwmhbtusafpiwvhq kgavtooeqrzq fhclzcsd vqhvdnqpziybqlsxee
xo agndkyecxfqifx wxcijufqkno gxmrnwnventugj xxghyrfvwkupdawxa gzzlgysbcyaevmu
lattzqvpwxnqqsw wsqkflavhspsonrfdwzuceacajgqyaxmdybidetcaqwusexvefppehboohfu j
htsygwqd peqnqfaimvwvp vgjhxpuolzocdlgig guetqitwtpitehh xtflovblxcbbgnekp bl
ulcxuudsuwemfpuapox qfasgtgvokcewsjymvyfprkhikllbmm rrmnxi pfmsmldwbteniagaa
fondknpvgvda jxowklfglaskpieavsrpequffafchwabistqx
ombztdtphuopccvxxzrc uhdhqcicxqjjlkvtxlpq gzheftdbzepylzerlua pkhwskvzyjwwvyqf
cotdpylop
dhara@dhara:~/Downloads/Main_Directory/3$
```

The flag is found in the file "1.txt" and is "flag{gr3p\_f1nds\_fl@gs!}".

#### 4) Flag 4: `flag{e@5y_p@ssw0rd!}`

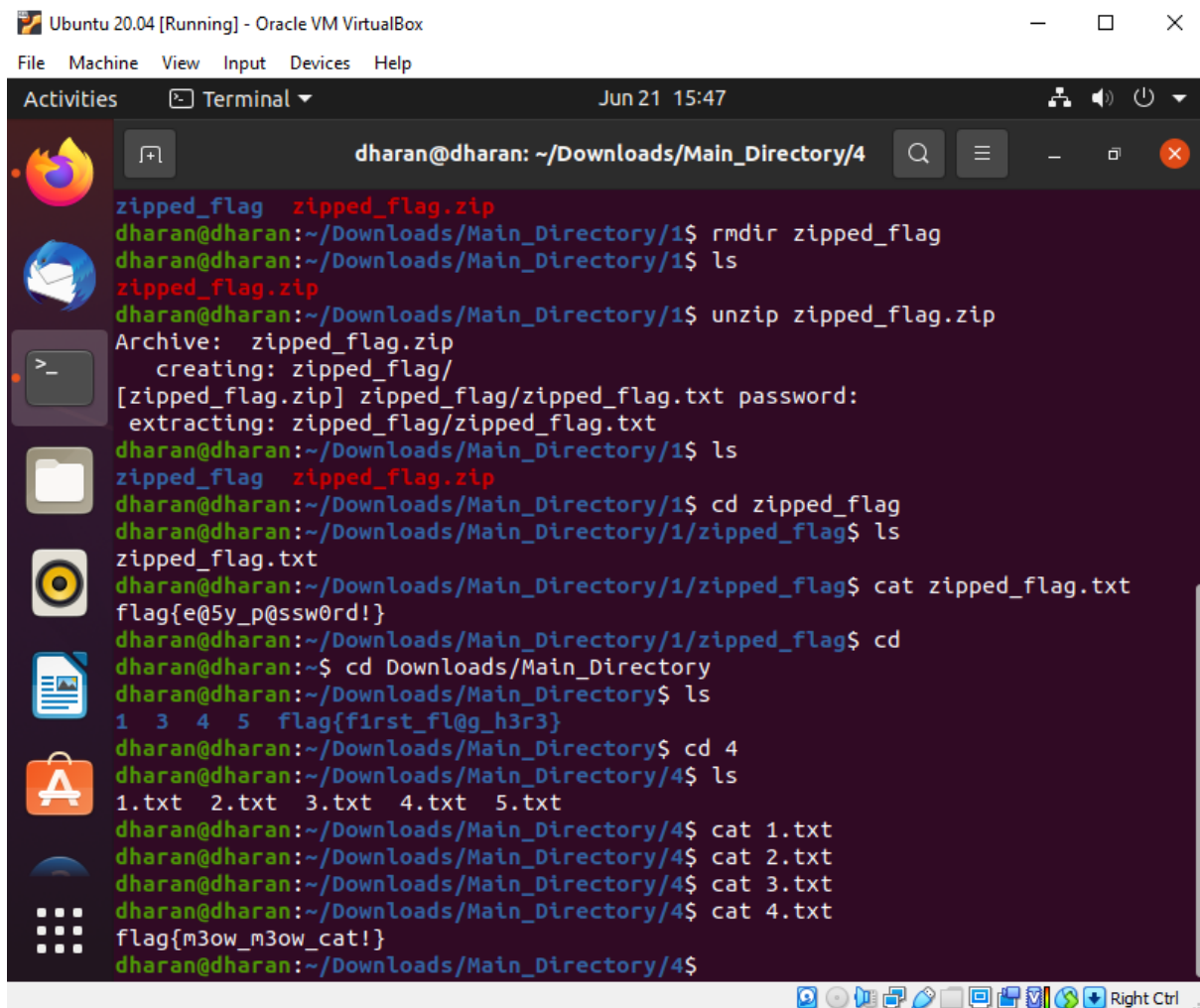


The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The terminal output is as follows:

```
lattzqvpwnqqsw wsqkflavhspsonrfdwzuceacajggyaxmdybidetcaqwusexvefppehboohfu j
htsygwqd peqnqfaimvwvp vgjhxpuaolzzocdlgig guetqitwtpitehh xtflovblxcbbgnekp bl
ulcxuvdsuwemfpuaopox qfasgwtgvokcewsjymvyfprkhikllbmm rmmnxi pfmslwdwbteniagag
fondknpvgvdza jxowklfglaskpieavsrpeuffafchwabistqx
ombztdtphuoopccvvvxzrc uhdhqcicxqjjlkvtxlpq gzheftdbzepylerlua pkhwskvzyjwwvyqf
cotdpynlop

dharan@dharan:~/Downloads/Main_Directory/3$ cd
dharan@dharan:~$ cd Downloads
dharan@dharan:~/Downloads$ cd Main_Directory
dharan@dharan:~/Downloads/Main_Directory$ cd 1
dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ rmdir zipped_flag
dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag.zip
dharan@dharan:~/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
dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ cd zipped_flag
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$
```

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



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The user is logged in as "dharan" and is in the directory "~/Downloads/Main\_Directory/4". The terminal output shows the following commands and results:

```
dharan@dharan: ~/Downloads/Main_Directory/4
zipped_flag zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ rmdir zipped_flag
dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag.zip
dharan@dharan:~/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
dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ cd zipped_flag
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ cd
dharan@dharan:~$ cd Downloads/Main_Directory
dharan@dharan:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
dharan@dharan:~/Downloads/Main_Directory$ cd 4
dharan@dharan:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 1.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 2.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 3.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
dharan@dharan:~/Downloads/Main_Directory/4$
```

The terminal window has a sidebar with icons for Activities, Terminal, and other applications. The top bar shows the date and time as "Jun 21 15:47". The bottom bar shows system icons and a "Right Ctrl" button.

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

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

```
Activities Terminal Jun 21 15:49
dharan@dharan: ~/Downloads/Main_Directory/5

dharan@dharan:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ cd zipped_flag
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
dharan@dharan:~/Downloads/Main_Directory/1/zipped_flag$ cd
dharan@dharan:~$ cd Downloads/Main_Directory
dharan@dharan:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
dharan@dharan:~/Downloads/Main_Directory$ cd 4
dharan@dharan:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 1.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 2.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 3.txt
dharan@dharan:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
dharan@dharan:~/Downloads/Main_Directory/4$ cd
dharan@dharan:~$ cd Downloads/Main_Directory
dharan@dharan:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
dharan@dharan:~/Downloads/Main_Directory$ cd 5
dharan@dharan:~/Downloads/Main_Directory/5$ ls
execute_me.sh reverse_me.txt
dharan@dharan:~/Downloads/Main_Directory/5$ bash execute_me.sh
flag{3x3cut10n_d0n3!}
dharan@dharan:~/Downloads/Main_Directory/5$
```

## 7) Flag 7: `flag{t@c_15_fun!}`

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 21 15:52

Thunderbird Mail

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

Right Ctrl



## 8) Flag 8: `flag{Y0u_f0und_th3_hidd3n_dir!}`

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 21 15:54

```
dharan@dharan: ~/Downloads/Main_Directory/1
```

t  
{  
g  
a  
l  
f  
f  
l  
a  
g  
{  
t  
@  
c  
-  
1  
5  
-  
f  
u  
n  
!  
}

```
dharan@dharan:~/Downloads/Main_Directory/5$ tac reverse_me.txt
```

```
dharan@dharan:~/Downloads/Main_Directory/5$ cd
```

```
dharan@dharan:~$ cd Downloads/Main_Directory/1
```

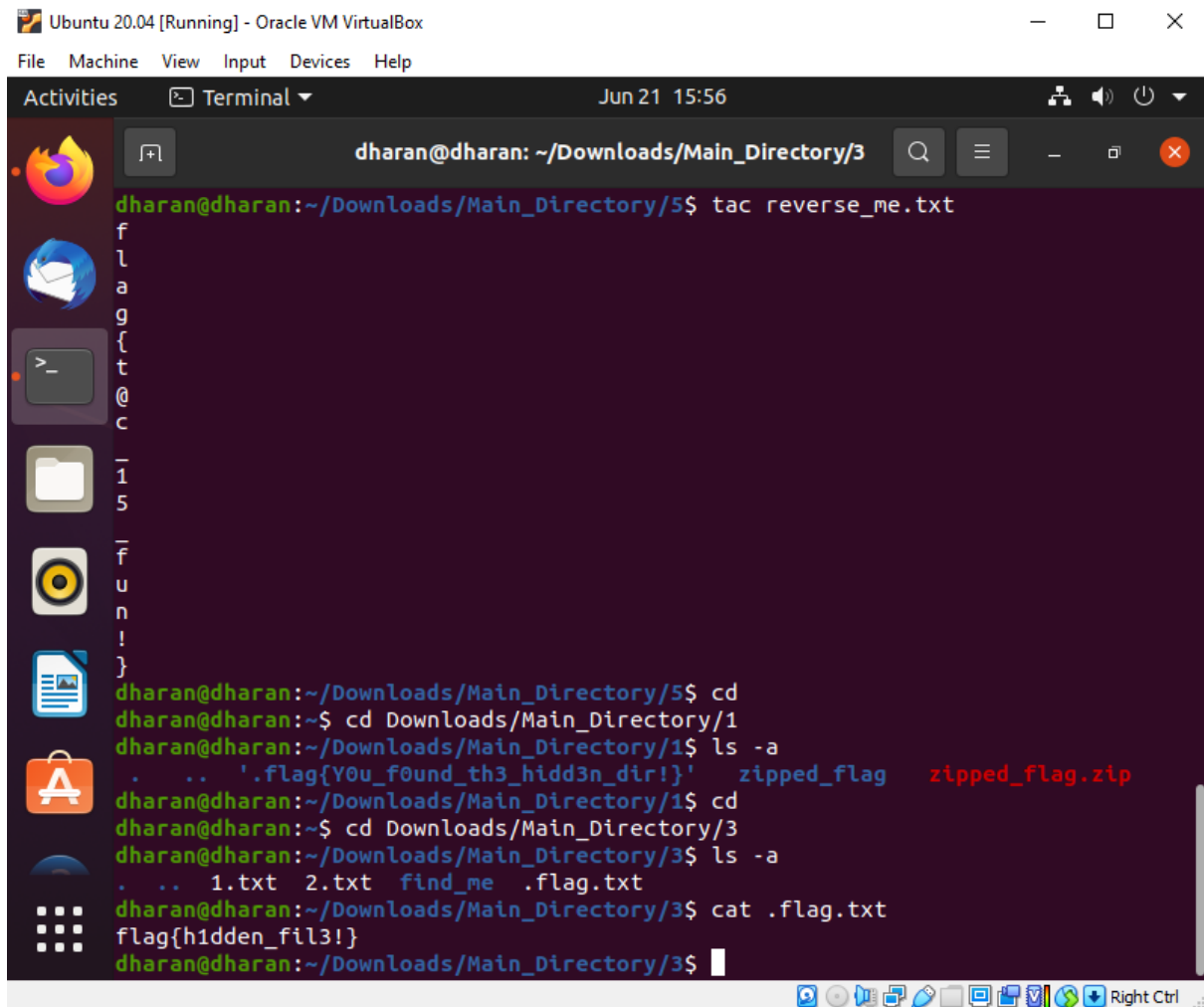
```
dharan@dharan:~/Downloads/Main_Directory/1$ ls -a
```

```
.. .. '.flag{Y0u_f0und_th3_hidd3n_dir!}' zipped_flag zipped_flag.zip
```

```
dharan@dharan:~/Downloads/Main_Directory/1$
```

Right Ctrl

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



The screenshot shows a terminal window titled "Ubuntu 20.04 [Running] - Oracle VM VirtualBox". The user is logged in as "dharan" and is in the directory "~/Downloads/Main\_Directory/3". The terminal shows the following commands and output:

```
dharan@dharan: ~/Downloads/Main_Directory/3
dharan@dharan:~/Downloads/Main_Directory/5$ tac reverse_me.txt
f
l
a
g
{
t
@
c
-
1
5
-
f
u
n
!
}
dharan@dharan:~/Downloads/Main_Directory/5$ cd
dharan@dharan:~$ cd Downloads/Main_Directory/1
dharan@dharan:~/Downloads/Main_Directory/1$ ls -a
.  ..  '.flag{Y0u_f0und_th3_hidd3n_dir!}'  zipped_flag  zipped_flag.zip
dharan@dharan:~/Downloads/Main_Directory/1$ cd
dharan@dharan:~$ cd Downloads/Main_Directory/3
dharan@dharan:~/Downloads/Main_Directory/3$ ls -a
.  ..  1.txt  2.txt  find_me  .flag.txt
dharan@dharan:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
dharan@dharan:~/Downloads/Main_Directory/3$
```

The terminal window has a sidebar on the left with icons for various applications. The top bar shows the date and time as "Jun 21 15:56". The bottom bar shows system icons and a "Right Ctrl" button.

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

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Jun 21 15:58

dhara@dhara: ~/Downloads/Main\_Directory/4

```
@
c
-
1
5
-
f
u
n
!
}
dhara@dhara:~/Downloads/Main_Directory/5$ cd
dhara@dhara:~$ cd Downloads/Main_Directory/1
dhara@dhara:~/Downloads/Main_Directory/1$ ls -a
.  ..  '.flag{Y0u_f0und_th3_hidd3n_dir!}'  zipped_flag  zipped_flag.zip
dhara@dhara:~/Downloads/Main_Directory/1$ cd
dhara@dhara:~$ cd Downloads/Main_Directory/3
dhara@dhara:~/Downloads/Main_Directory/3$ ls -a
.  ..  1.txt  2.txt  find_me  .flag.txt
dhara@dhara:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
dhara@dhara:~/Downloads/Main_Directory/3$ cd
dhara@dhara:~$ cd Downloads/Main_Directory/4
dhara@dhara:~/Downloads/Main_Directory/4$ ls -a
.  ..  1.txt  2.txt  3.txt  4.txt  5.txt  .image.png
dhara@dhara:~/Downloads/Main_Directory/4$ cat 5.txt
dhara@dhara:~/Downloads/Main_Directory/4$ grep flag .image.png
flag{t3xt_15_n0t_h1dd3n!}
dhara@dhara:~/Downloads/Main_Directory/4$
```

Right Ctrl

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

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 21 16:06

```
dharan@dhara: ~/Downloads/Main_Directory/5
Z
Z
Z
Z
Z
Z
!
}
dharan@dhara:~/Downloads/Main_Directory/5$ diff .compare1.txt .compare2.txt
diff: .compare1.txt: No such file or directory
diff: .compare2.txt: No such file or directory
dharan@dhara:~/Downloads/Main_Directory/5$ diff .compare_me1.txt .compare_me2.
txt
83c83
< f
---
> z
173c173
< l
---
> z
340c340
< a
---
> z
431c431
< g
---
> z
```

Ubuntu 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jun 21 16:07

```
dharan@dhara: ~/Downloads/Main_Directory/5
> z
431c431
< g
---
> z
585c585
< {
---
> z
601d600
< d
665c664,665
< 1
---
> z
769c769
< f
---
> z
876c876
< f
---
> z
938c938
< -
---
> z
1398a1399
```

```

Activities  Terminal Jun 21 16:07
dharan@dharan: ~/Downloads/Main_Directory/5
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

```

```

Activities  Terminal Jun 21 16:07
dharan@dharan: ~/Downloads/Main_Directory/5
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
dharan@dharan:~/Downloads/Main_Directory/5$

```