

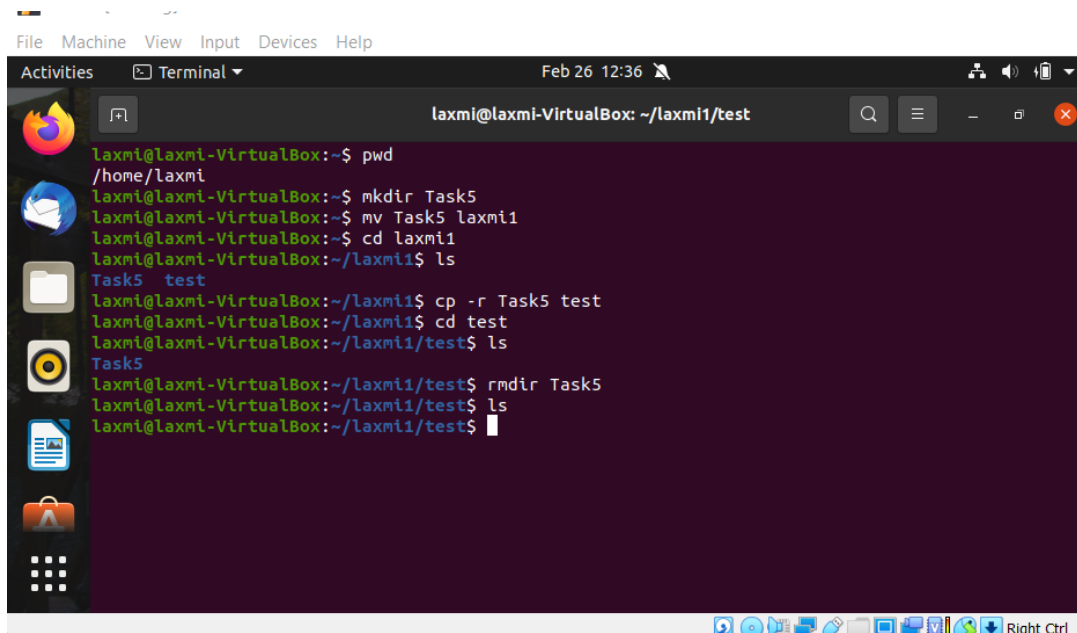
Task5-part1

Command: 1. mkdir- syntax= mkdir name of dir

2. mv- syntax= mv target dir destination dir

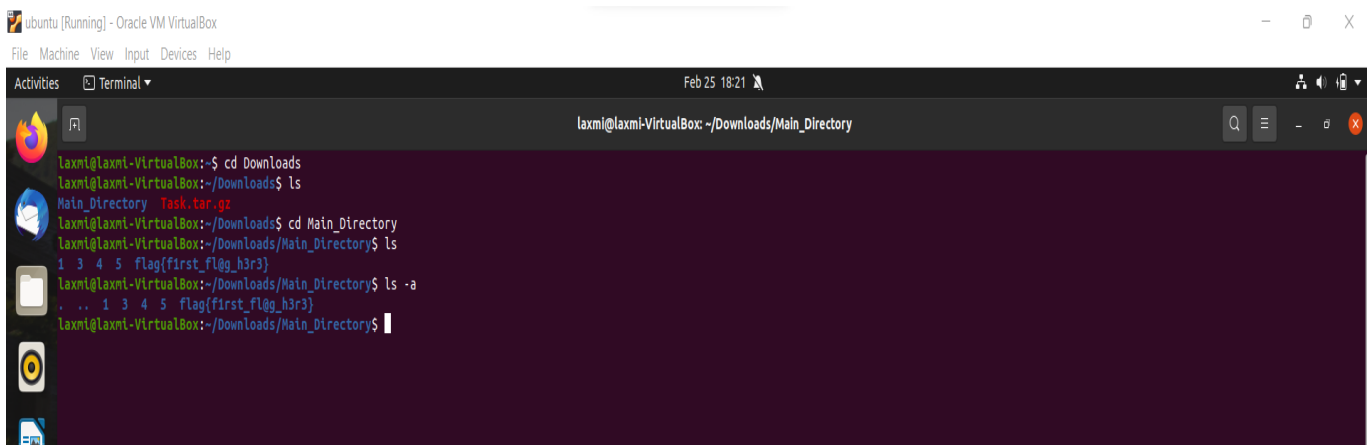
3. cp- syntax= cp -r target dir destination dir

4. rmdir- syntax= rmdir name of dir



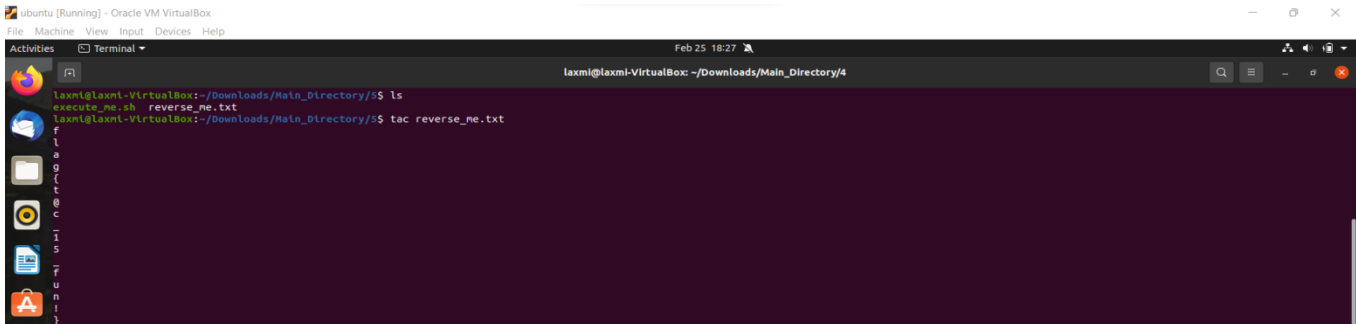
```
laxmi@laxmi-VirtualBox: ~/laxmi1/test
laxmi@laxmi-VirtualBox:~$ pwd
/home/laxmi
laxmi@laxmi-VirtualBox:~$ mkdir Task5
laxmi@laxmi-VirtualBox:~$ mv Task5 laxmi1
laxmi@laxmi-VirtualBox:~$ cd laxmi1
laxmi@laxmi-VirtualBox:~/laxmi1$ ls
Task5  test
laxmi@laxmi-VirtualBox:~/laxmi1$ cp -r Task5 test
laxmi@laxmi-VirtualBox:~/laxmi1$ cd test
laxmi@laxmi-VirtualBox:~/laxmi1/test$ ls
Task5
laxmi@laxmi-VirtualBox:~/laxmi1/test$ rmdir Task5
laxmi@laxmi-VirtualBox:~/laxmi1/test$ ls
laxmi@laxmi-VirtualBox:~/laxmi1/test$
```

First flag: flag{first_fl@g_h3r3}



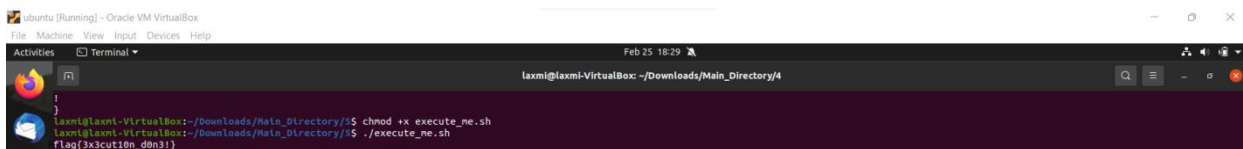
```
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory
laxmi@laxmi-VirtualBox:~$ cd Downloads
laxmi@laxmi-VirtualBox:~/Downloads$ ls
Main_Directory  Task.tar.gz
laxmi@laxmi-VirtualBox:~/Downloads$ cd Main_Directory
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory$ ls -a
. . 1 3 4 5 flag{first_fl@g_h3r3}
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory$
```

Second flag: flag{t@c|15 |fun!}



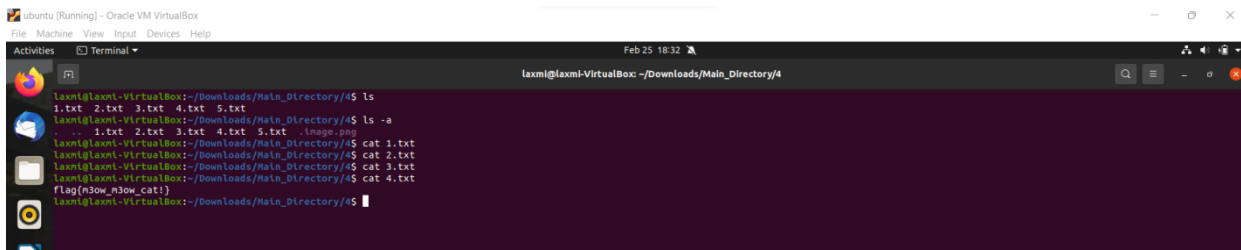
```
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/4
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ ls
execute_me.sh reverse_ne.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ tac reverse_ne.txt
```

Third flag: flag {3x3cut10n_d0n3!}



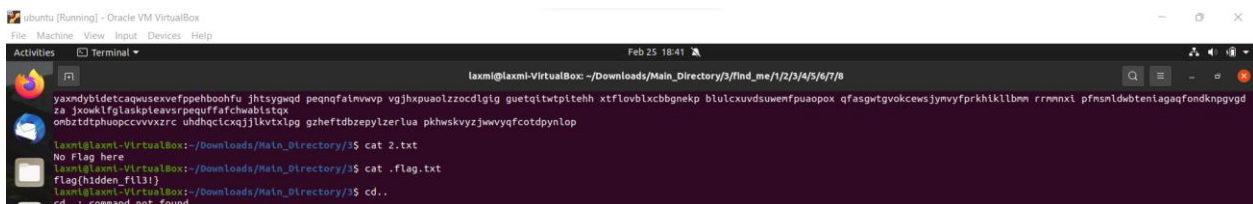
```
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/4
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ chmod +x execute_me.sh
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ ./execute_me.sh
flag{3x3cut10n_d0n3!}
```

Fourth flag: flag {m3ow_m3ow_cat!}



```
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ ls -a
. . . 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ cat 1.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ cat 2.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ cat 3.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/4$
```

Fifth flag: flag {hidden_fil3!}

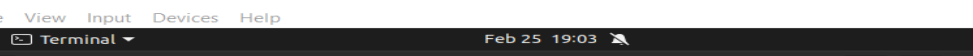


```
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8
yaxndybidetcaquexvefpehboohfu jhtsygwd peqnfalmvvp vgjhxpualzzocdlgig guetqltwtptteh xtflovblxcbbgnekp blulcxuvsuwmfpuaox qfasgtgvokcewsjymvyfprkhikl1bmm rrmnxi pfnsnldwbtenlagaqfondknpvgvd
za jxowk1fglaskpleavsrpequffafchwbabstqx
ombztdtphuooccvvzrc uhdhqlcxqjllkvtxlpg gsheftdbzpylzerlua pkhwskvyzjwvyqfctdpynlop
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3$ cat 2.txt
No flag here
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{hidden_fil3!}
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3$ cd..
cd..: command not found
```

Sixth flag: flag{gr3p_finds_fl@gs!}

```
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8
lsxml@laxmi-VirtualBox: ~/Downloads/Main_Directory/3$ cd 3
lsxml@laxmi-VirtualBox: ~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
lsxml@laxmi-VirtualBox: ~/Downloads/Main_Directory/3$ ls -a
. . 1.txt 2.txt find_me -flag.txt
lsxml@laxmi-VirtualBox: ~/Downloads/Main_Directory/3$ cat 1.txt
q1kcytzuqh fuetolifuxrdngmncald2drufbasqhfuctbqjycusculoc gzbkzbfbnvuckjkdzprqtcqutplh
rictbckfuhpru yojcbdfllhwnacpal nkhyyvndbcqjxgmkbpgtunbeht rwpmrnfhgqfxrdqxvmsrkaoghsforlntnqrkgutjow
hbrdjwmbkbljbycuwawtr rrlarzrthpdxnacyxjrlrbyagrgrlwgdddlg kumojoitnmisjctyltubaoac
wqpldshyryfuefstan emplyuhdzaer flag(gr3p_findm_flgsl) edzqgtzovjlsccydzpzycltve xvylxaxjlnxogfiduzmr dqpqzidxkegynzlspezlz gokobhcepsa yfnueqqugdjgl cqnrxstxbduulwtbschhkgjtlqcxvfd
wqkxgmzdlqztlpbgmncbdeiwazsllrkbecat1
frockalysy3drnutajsemtbbsufplwqh kvatoveoearqz fhclczd vqhndpzn2lybqlsxexo agndkyecxfatr wactjufqno gxrnrnmvntuqj xxghyrfwupkdwaxa gzllygysbaeyqmulattzqvpxnqsgs wsgkflshvpspnrdwzceacajq
wqplbdtetacaysexefpepbhoafu fhtsyqgd peqnfalnmwvp vjghpuaozcdcdglg quetqitwptlth xtflovbcxhbnqk belblcuwdsvsmvpaupoc qfasgwtvokexysjnyvprkhlblnm rrmrnt1 pfnslndbtenlagaqfndkngpygd
3a jxowlrflaskptepsvaeqruffacbwabstzst
onbztdphucpocvzsr dhhqclqj1kxtltp gzhfdtbezpylzerlua pkhwsyvjwmyqfctodpynlop
```

Seventh flag: flag {t3xt_15_n0t_hidd3n!}



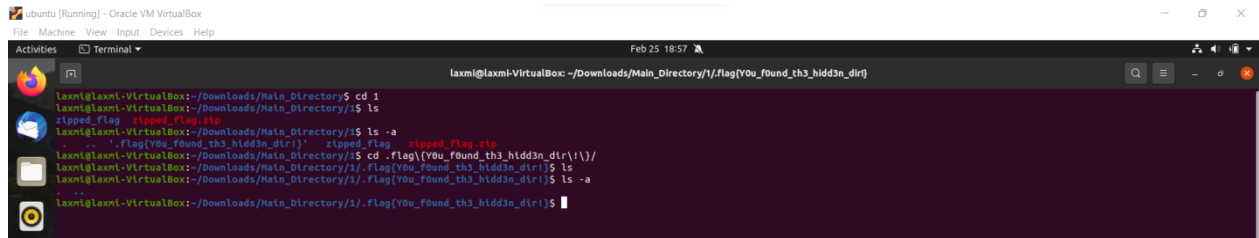
The screenshot shows a terminal window titled "ubuntu [Running] - Oracle VM VirtualBox". The menu bar includes "File", "Machine", "View", "Input", "Devices", and "Help". The top bar shows "Activities", "Terminal", and the date/time "Feb 25 19:03". The terminal prompt is "laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/4". The command "cat .image.png" has been executed, resulting in the output "flag{t3xt_15_n0t_h1dd3n!}".

Eighth flag: flag {Y0u_f0und_m3!}

The screenshot shows a terminal window titled "Ubuntu [Running] - Oracle VM VirtualBox" with a menu bar (File, Machine, View, Input, Devices, Help) and a toolbar. The terminal output shows a series of commands and responses in a directory traversal attack:

```
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory$ cd 3
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3$ cd find_me
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me$ ls
1
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me$ ls -a
.
..
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd 1
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ ls
2
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd 2
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip_file_huh?
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls -a
.
..
flag.txt.txt
laxmi@laxmi-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag(Y0u_f0und_m3)
```

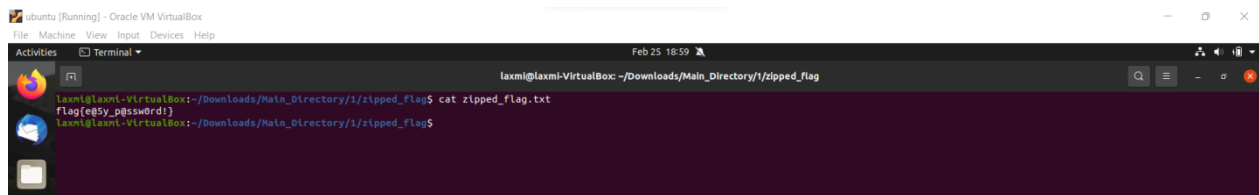
Ninth flag: '.flag {Y0u_f0und_th3_hidd3n_dir!}'



A terminal window in Oracle VM VirtualBox showing the process of finding the ninth flag. The user is in the directory ~/Downloads/Main_Directory/1/. The commands and output are as follows:

```
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1$ cd 1
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1$ ls -la
total 16
drwxr-xr-x 2 laxmi laxmi 4096 Feb 25 18:57
-rw-r--r-- 1 laxmi laxmi  104 Feb 25 18:57 zipped_flag
-rw-r--r-- 1 laxmi laxmi  104 Feb 25 18:57 zipped_flag.zip
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1$ cd -flag{Y0u_f0und_th3_hidd3n_dir!}
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1/.flag{Y0u_f0und_th3_hidd3n_dir!}$ ls
flag
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1/.flag{Y0u_f0und_th3_hidd3n_dir!}$ ls -la
total 4
-rw-r--r-- 1 laxmi laxmi 16 Feb 25 18:57 flag
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1/.flag{Y0u_f0und_th3_hidd3n_dir!}$
```

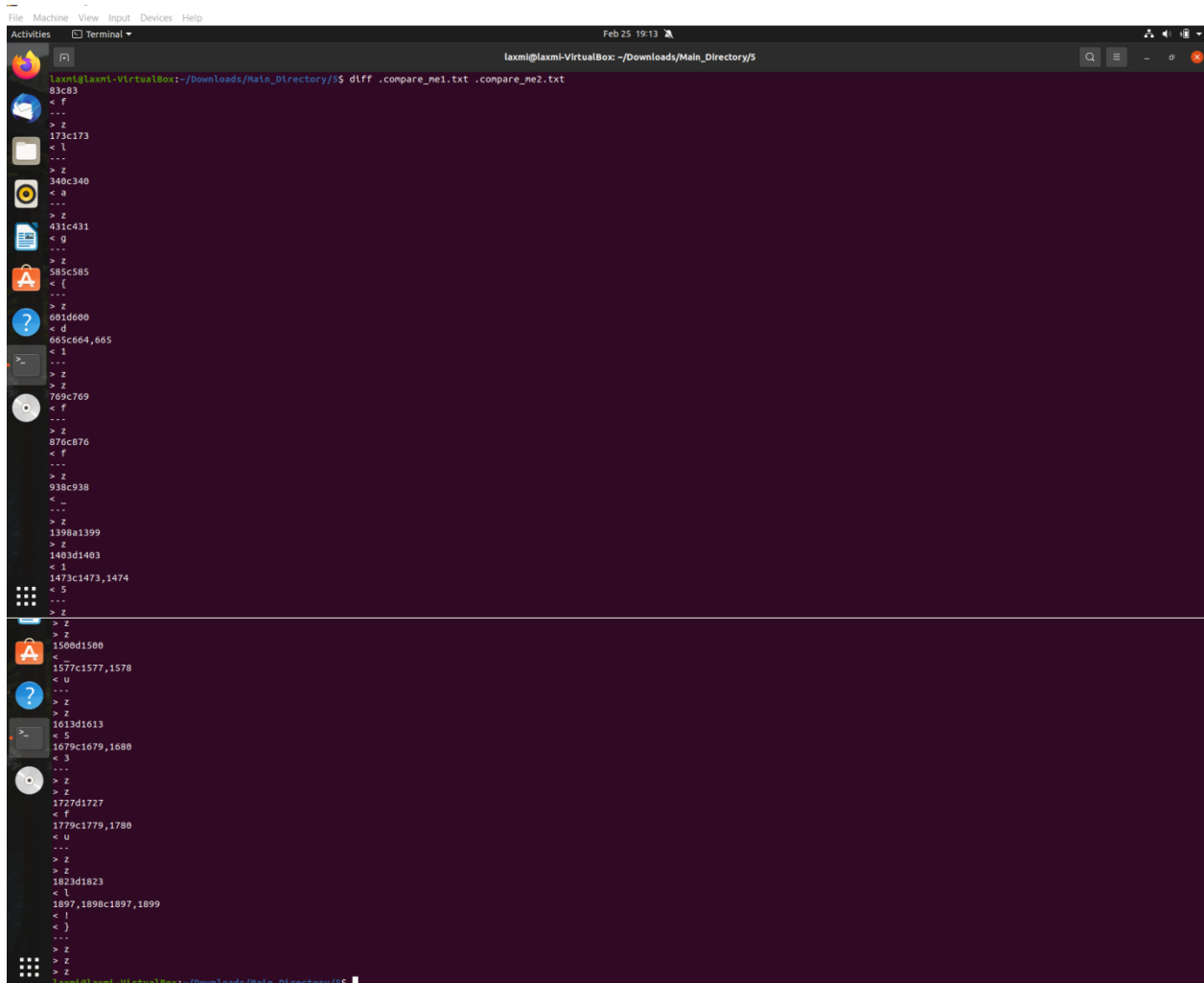
Tenth flag: flag {e@5y_p@ssw0rd!}



A terminal window in Oracle VM VirtualBox showing the process of finding the tenth flag. The user is in the directory ~/Downloads/Main_Directory/1/zipped_flag/. The commands and output are as follows:

```
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/1/zipped_flag$
```

Eleventh flag: flag {z d 1 f z 1 5 z u z 5 3 z f u z ! !}

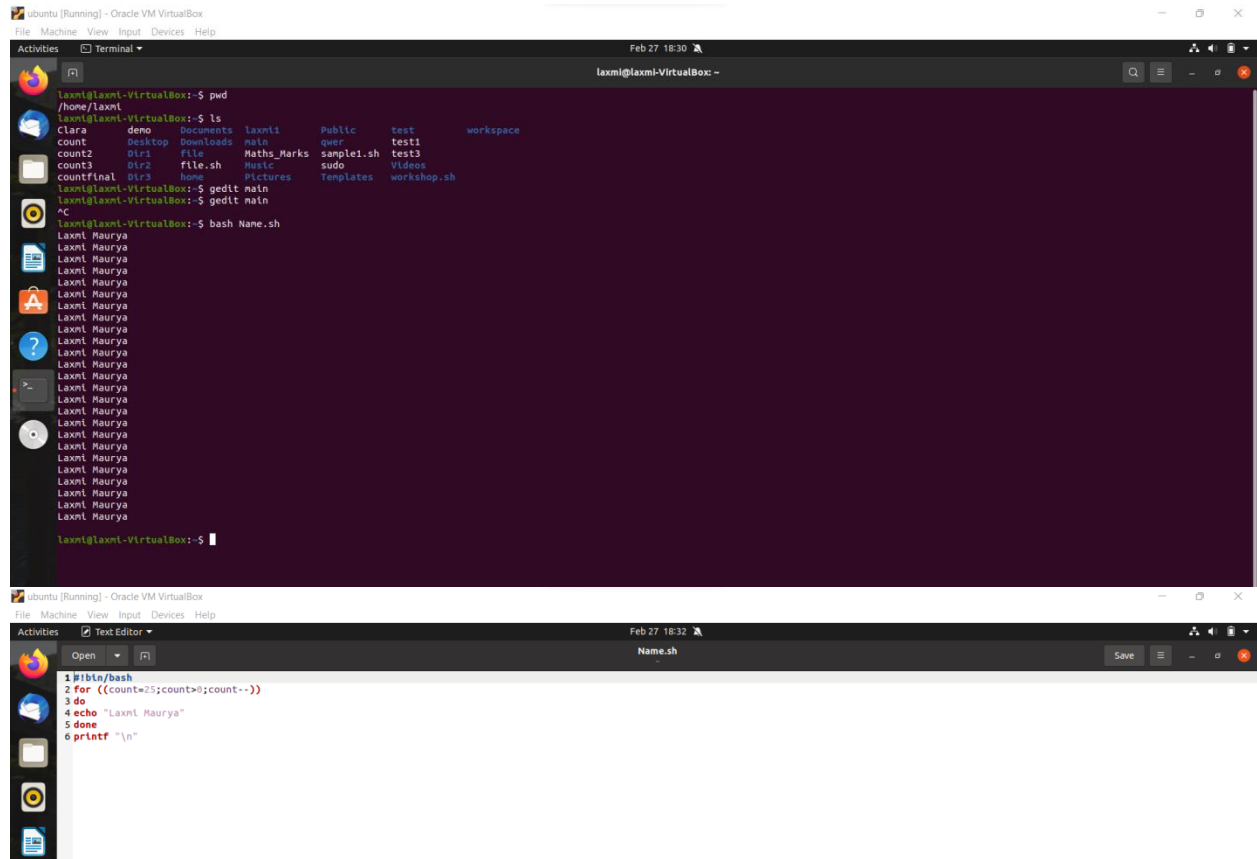


A terminal window in Oracle VM VirtualBox showing the process of finding the eleventh flag. The user is in the directory ~/Downloads/Main_Directory/5/. The command and output are as follows:

```
laxmi@laxmi-VirtualBox: ~/Downloads/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
605c604,605
< 1
---
> z
769c769
< f
---
> z
876c876
< f
---
> z
938c938
< -
---
> z
1398a1399
> z
1403d1403
< 1
1473c1473,1474
< 5
---
> z
> z
> z
1500d1500
< -
1577c1577,1578
< u
---
> z
> z
1613d1613
< 5
1679c1679,1680
< 3
---
> z
> z
1727d1727
< f
1779c1779,1780
< u
---
> z
> z
1823d1823
< 1
1897,1898c1897,1899
< 1
< }
---
> z
> z
> z
laxmi@laxmi-VirtualBox: ~/Downloads/Main_Directory/5$
```

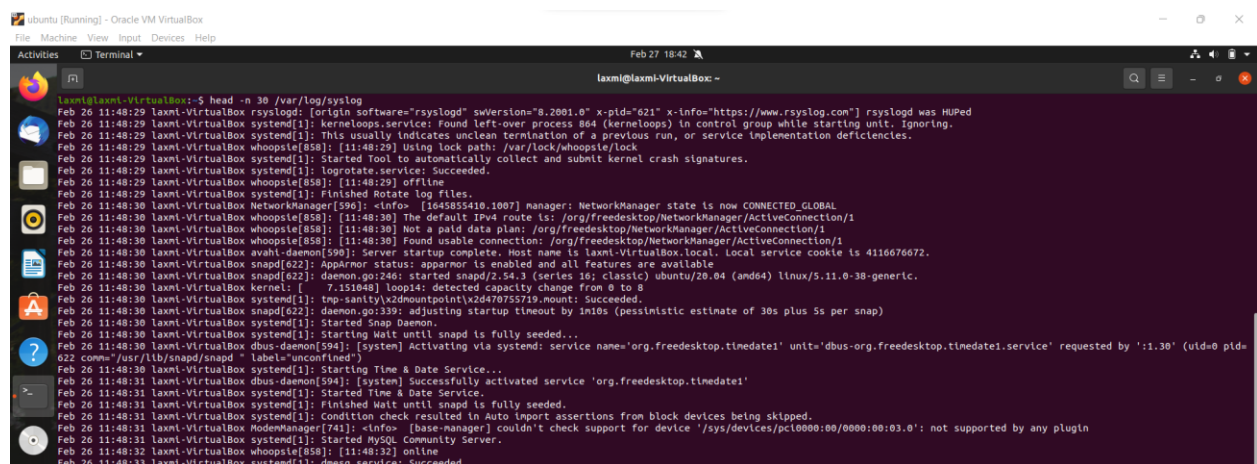
Task5-part2

1. Write a bash script to echo your name 25 times.



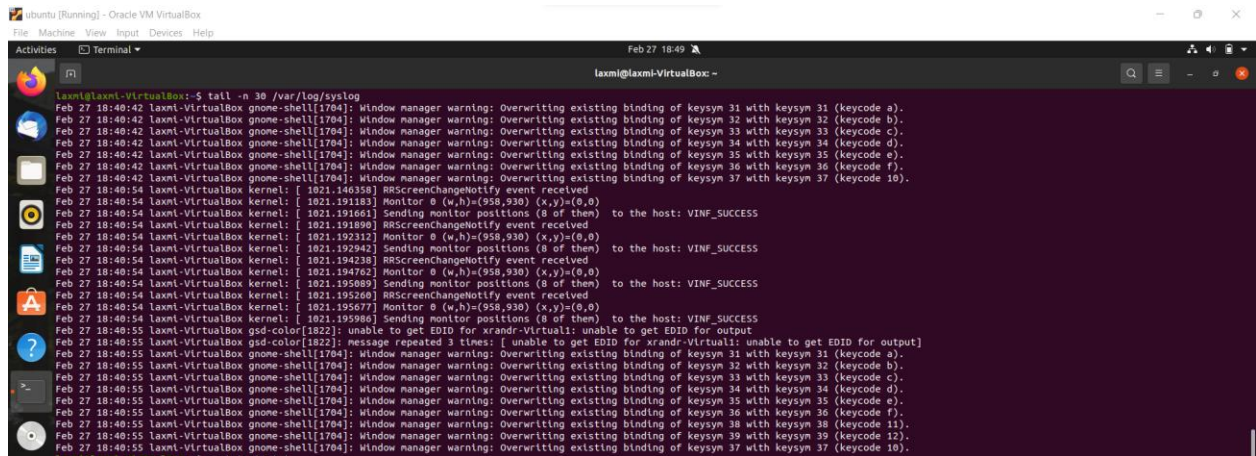
2. What command should I use to display the first 30 entries of syslog file?

Solution: head -n 30 /var/log/syslog



3. What command should I use to display the last 30 entries of syslog file?

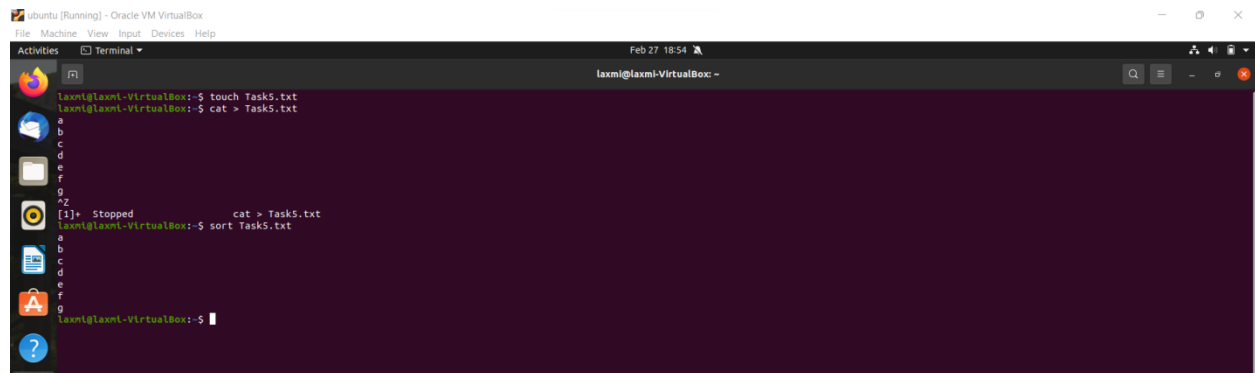
Solution: tail -n 30 /var/log/syslog



```
laxmi@laxmi-VirtualBox:~$ tail -n 30 /var/log/syslog
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 27 18:40:42 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.140358] RRScreenChangeNotify event received
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.191183] Monitor 0 (w,h)=(958,930) (x,y)=(0,0)
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.191661] Sending monitor positions (8 of them) to the host: VINIF_SUCCESS
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.191890] RRScreenChangeNotify event received
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.192312] Monitor 0 (w,h)=(958,930) (x,y)=(0,0)
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.192942] Sending monitor positions (8 of them) to the host: VINIF_SUCCESS
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.194238] RRScreenChangeNotify event received
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.194762] Monitor 0 (w,h)=(958,930) (x,y)=(0,0)
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.195809] Sending monitor positions (8 of them) to the host: VINIF_SUCCESS
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.195268] RRScreenChangeNotify event received
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.195677] Monitor 0 (w,h)=(958,930) (x,y)=(0,0)
Feb 27 18:40:54 laxmi-VirtualBox kernel: [ 1021.195986] Sending monitor positions (8 of them) to the host: VINIF_SUCCESS
Feb 27 18:40:55 laxmi-VirtualBox gsd-color[1822]: unable to get EDID for xrandr-Virtual1: unable to get EDID for output
Feb 27 18:40:55 laxmi-VirtualBox gsd-color[1822]: Message repeated 3 times: [ unable to get EDID for xrandr-Virtual1: unable to get EDID for output]
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).
Feb 27 18:40:55 laxmi-VirtualBox gnome-shell[1704]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).
```

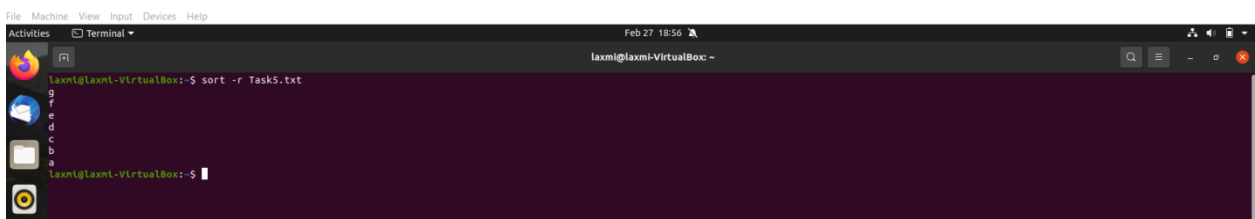
4. What command should I use to arrange the entries of a file

(a) Alphabetically: sort Task5.txt



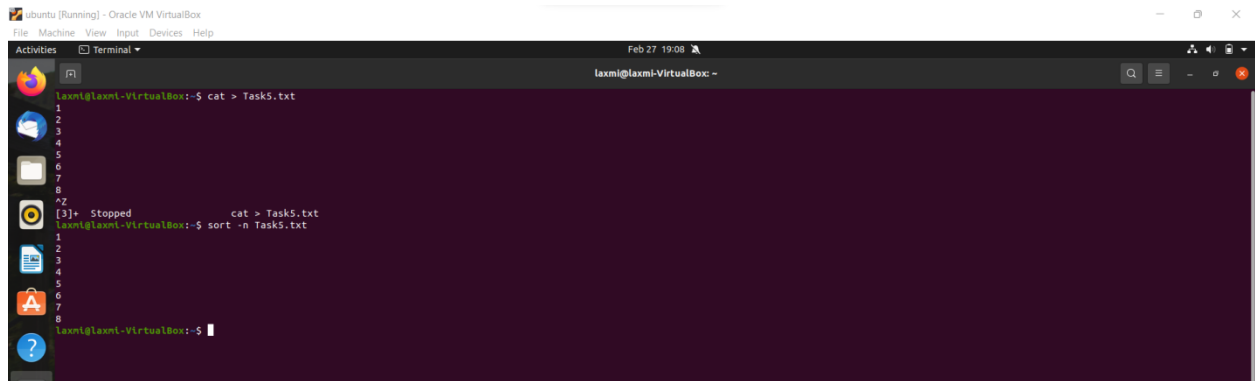
```
laxmi@laxmi-VirtualBox:~$ touch Task5.txt
laxmi@laxmi-VirtualBox:~$ cat > Task5.txt
a
b
c
d
e
f
g
^Z
[1] ^
laxmi@laxmi-VirtualBox:~$ cat > Task5.txt
a
b
c
d
e
f
g
laxmi@laxmi-VirtualBox:~$ sort Task5.txt
a
b
c
d
e
f
g
laxmi@laxmi-VirtualBox:~$
```

(b) Reverse order: sort -r Task5.txt



```
laxmi@laxmi-VirtualBox:~$ sort -r Task5.txt
g
f
e
d
c
b
a
laxmi@laxmi-VirtualBox:~$
```

(c) Numeric: sort -n Task5.txt



```
laxmi@laxmi-VirtualBox:~$ cat > Task5.txt
1
2
3
4
5
6
7
8
^Z
[3]+  Stopped                  cat > Task5.txt
laxmi@laxmi-VirtualBox:~$ sort -n Task5.txt
1
2
3
4
5
6
7
8
laxmi@laxmi-VirtualBox:~$
```

5. 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?

Solution: `sort <filename> | uniq -i`

6. What are the four parts of file's permission?

Solution: The four parts of file's permission are;

1. Read
2. Write
3. Delete
4. Execute