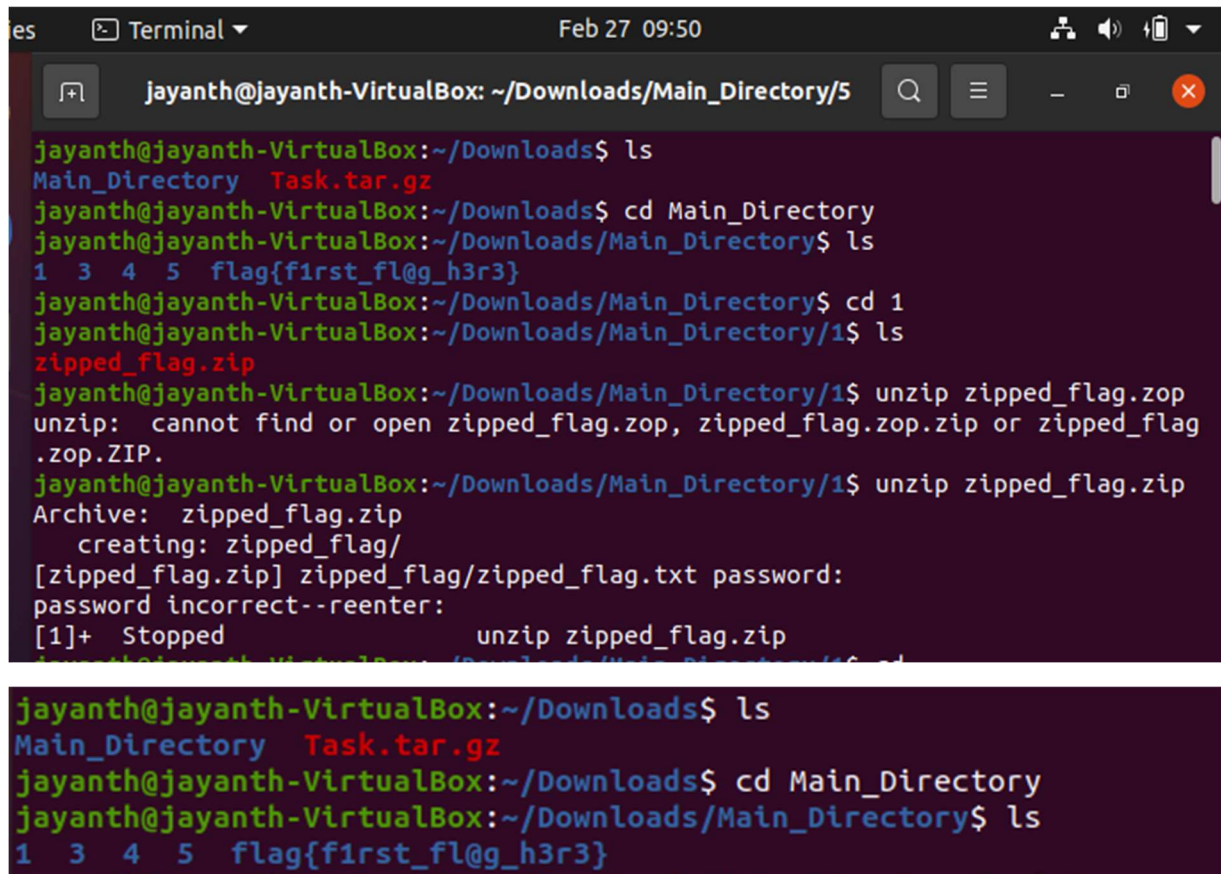


NAME: Alluri Jayanth Varma

ROLL NO:21002 (CSE-A)

TASK: COGNIZANCE (TASK -5)

Flag {flrst_fl@g_h3r3}



```
es Terminal Feb 27 09:50
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5
jayanth@jayanth-VirtualBox:~/Downloads$ ls
Main_Directory Task.tar.gz
jayanth@jayanth-VirtualBox:~/Downloads$ cd Main_Directory
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{flrst_fl@g_h3r3}
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ cd 1
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag.zip
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ unzip zipped_flag.zop
unzip: cannot find or open zipped_flag.zop, zipped_flag.zop.zip or zipped_flag
.zop.ZIP.
jayanth@jayanth-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:
password incorrect--reenter:
[1]+  Stopped                  unzip zipped_flag.zip
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads$ ls
Main_Directory Task.tar.gz
jayanth@jayanth-VirtualBox:~/Downloads$ cd Main_Directory
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{flrst_fl@g_h3r3}
```

Flag {gr3p_flnds_fl@gs!}

```
es Terminal ▾ Feb 27 09:52
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ cd 3
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3$ cat 1.txt
qiktypzquh feuoelfuxrdmrgmvkdfdrufbasyqhufucibujcygwsculoc gzkbackfbnvucxkjejdk
zpqrtqcqwtplh
riceblkfuhprpv yojcbgdfihhwarnocaiap nhkyuvmdbcbjxgmkbkpgtunwbeht qwrpmwrfhtgq
fpxrdqvxwsrkaoghsfrplntimqrkugjuiovv
hbrdjgmwbbkijlbqvycwuairw rrlaurzrhihpdmaxcnykxjlrrbyxragwrlfwgdddlg kuomoj
tommlsjcjtywlpbuaaok
wpgdliphephyifuexfsriazan enplcuyhdgzaqz flag{gr3p_f1nds_fl@gs!} edzqpgtzovjls
cuydpdzcycle yxvlxaxjmimxogfiduzrmu qdpqjzdxegymzlspeziz gokobhcpeusa yfnue
guqugdjgl cqnrxsxxbdvuliwtbschhkgtiqqxfv vxkwqnbzdlqtpbjbgmqnnbcidewovszllr
kbecwtl
ftockaiysxyjdrnqtqjesumwhtusafpiwvhq kgavtooeqrzq fhclzcsd vqhvdnqpziybqlsxee
xo agndkyecxfqifx wxciyufqkno gxmnrnwvemtugj xxghyrfvwkupdawxa gzzlgysbcyaevmu
lattzqvpwxnqqsw wsqkflavhspsonrfdwzuceacajgqyaxmdybidetcaqwusexvefppehboohfu j
htsygwd peqnqfaimvwvp vgjxhpuaolzzocdlgig guetqitwtpitehh xtflovblxcbbgnekp bl
ulcxuvsuwemfpuapox qfasgwtgvokcewsjymvyfprkhikllbmm rrmnxi pfmsmldwbteniagaa
fondknpvgvdza jxowklfglaskpieavsrpequffafchwabistqx
ombztdtphuopecvvvxzrc uhdhqcicxqjjlkvtxlgp gzheftdbzepylerlua pkhwskvyzjwwvyqf
cotdpynlop
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3$ cat 2.txt
No Flag here
```

□ Flag{y0u_f0und_m3!}

```
ities Terminal ▾ Feb 27 10:07
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5
1
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd 1
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ ls
2
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd 2
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip_file_huh?
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.txt.txt
flag{Y0u_f0und_m3!}
```

□ Flag{h1dden_fil3!}

```
Terminal Feb 27 10:09
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5

flag{Y0u_f0und_m3!}
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ cd 3
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3$ ls -a
. . 1.txt 2.txt find_me .flag.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
```

Flag{e@5y_p@ssw0rd!}

```
Terminal Feb 27 09:58
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5

[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
extracting: zipped_flag/zipped_flag.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped
_flaf.txt
cat: zipped_flaf.txt: No such file or directory
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped
_flat.txt
cat: zipped_flat.txt: No such file or directory
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped
_flag.txt
flag{e@5y_p@ssw0rd!}
```

□ Flag{y0u_f0und_th3_hidd3n_dir!}

```
Terminal Feb 27 10:16
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5

jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ ls -a
. . . 'flag{Y0u_f0und_th3_hidd3n_dir!}' zipped_flag  zipped_flag.zip
```

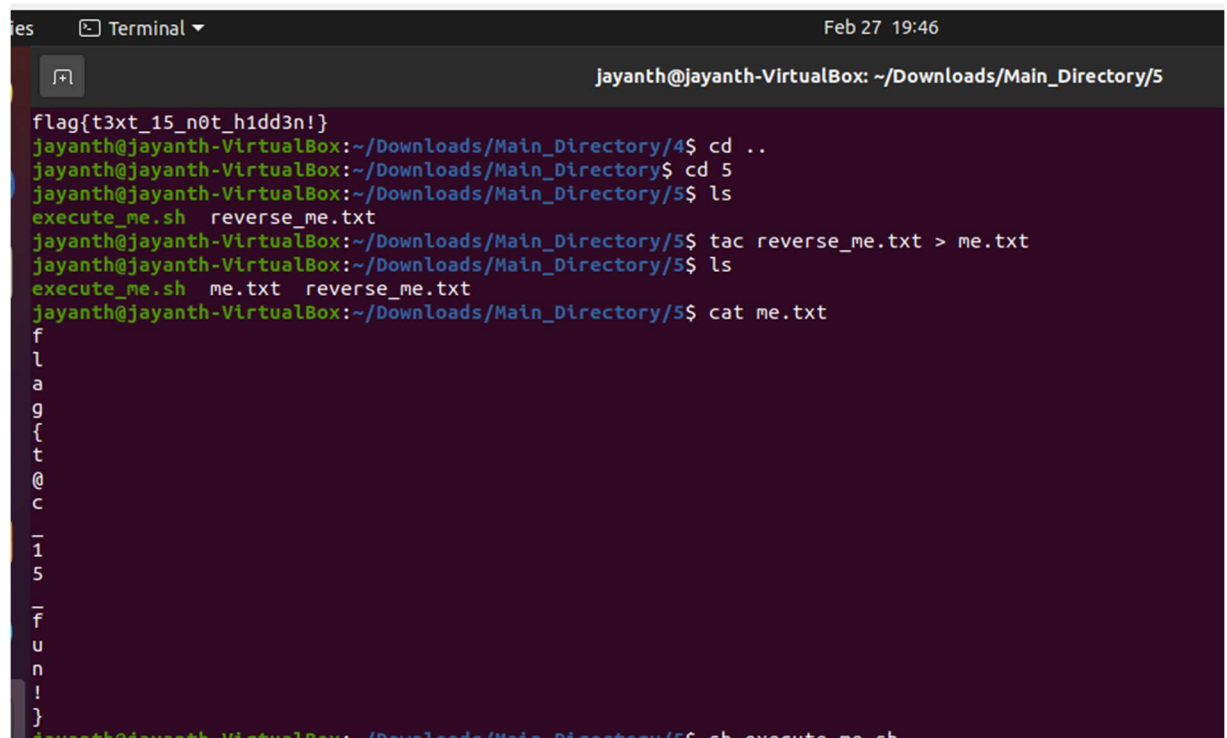

□ Flag{m3ow_m3ow_cat!}

```
Terminal Feb 27 10:00
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5
_flag.txt
flag{e@5y_p@ssw0rd!}
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1/zippped_flag$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ ls
zippped_flag  zippped_flag.zip
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ ls -a
.  ..  '.flag{Y0u_f0und_th3_h1dd3n_dir!}'  zippped_flag  zippped_flag.zip
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/1$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ cd 4
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 1.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 2.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 3.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
```

□ Flag{t3xt_15_n0t_h1dd3n!}

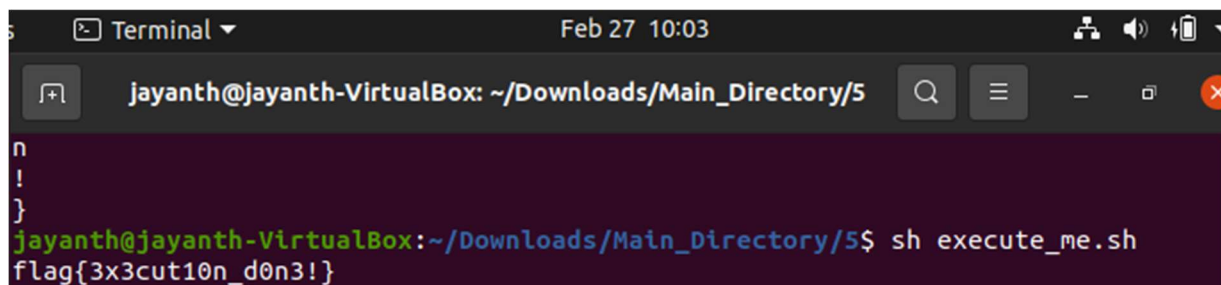
```
Terminal Feb 27 10:01
jayanth@jayanth-VirtualBox: ~/Downloads/Main_Directory/5
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 2.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 3.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat 5.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ ls -a
.  ..  1.txt 2.txt 3.txt 4.txt 5.txt .image.png
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ mv .image.png
mv: missing destination file operand after '.image.png'
Try 'mv --help' for more information.
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ mv .image.png jayanth
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt jayanth
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cat jayanth
flag{t3xt_15_n0t_h1dd3n!}
```

Flag{t@c_15_fun!}



```
flag{t3xt_15_n0t_h1dd3n!}
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/4$ cd ..
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory$ cd 5
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh  reverse_me.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/5$ tac reverse_me.txt > me.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh  me.txt  reverse_me.txt
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/5$ cat me.txt
f
l
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/5$ sh execute_me.sh
```

□ Flag{3x3cut10n_d0n3!}



```
jayanth@jayanth-VirtualBox:~/Downloads/Main_Directory/5$ sh execute_me.sh
flag{3x3cut10n_d0n3!}
```

□ Flag{d1ff_c0mm@nd15_u53ful!}


```
Feb 27 07:43
Jayanth@Jayanth-VirtualBox -
Jayanth@Jayanth-VirtualBox -
Jan  5 08:17:21 jayanth-VirtualBox systemd[1]: Mounted Mount unit for snap-store, revision 547.
Jan  5 08:17:21 jayanth-VirtualBox systemd[1]: Mounted Mount unit for snapd, revision 12704.
Jan  5 08:17:21 jayanth-VirtualBox systemd[1]: Started udev Kernel Device Manager.
Jan  5 08:17:21 jayanth-VirtualBox systemd[1]: Starting Show Plymouth Boot Screen...
Jan  5 08:17:21 jayanth-VirtualBox systemd[1]: Received SIGRTMIN+20 from PID 273 (plymouthd).
Jayanth@Jayanth-VirtualBox:~$ tail -n30 /var/log/syslog
Feb 26 22:04:13 jayanth-VirtualBox gnome-shell[8386]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 26 22:04:13 jayanth-VirtualBox gnome-shell[8386]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 26 22:08:53 jayanth-VirtualBox dbus-daemon[537]: [system] Activating via systemd: service name='net.reactivated.Fprint' unit='fprintd.service' requested by ':1.301' (uid=1000 pid=8386 comm="/usr/bin/gnome-shell" label="unconfined")
Feb 26 22:08:53 jayanth-VirtualBox systemd[1]: Starting Fingerprint Authentication Daemon...
Feb 26 22:08:53 jayanth-VirtualBox dbus-daemon[537]: [system] Successfully activated service 'net.reactivated.Fprint'
Feb 26 22:08:53 jayanth-VirtualBox NetworkManager[539]: <Info> [1645893538.4442] agent-manager: agent[3f6cd248ebc53877,1.301/org.gnome.Shell.NetworkAgent/1000]: agent registered
Feb 26 22:08:58 jayanth-VirtualBox gnome-shell[8386]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 26 22:08:58 jayanth-VirtualBox gnome-shell[8386]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 26 22:08:58 jayanth-VirtualBox dbus-daemon[8078]: [session uid=1000 pid=8078] Activating service name='org.freedesktop.FileManager1' requested by ':1.28' (uid=1000 pid=8386 comm="/usr/bin/gnome-shell" label="unconfined")
Feb 26 22:08:58 jayanth-VirtualBox gnome-shell[8386]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 26 22:08:58 jayanth-VirtualBox gnome-shell[8386]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 26 22:08:58 jayanth-VirtualBox dbus-daemon[8078]: [session uid=1000 pid=8078] Successfully activated service 'org.gnome.Nautilus'
Feb 26 22:08:58 jayanth-VirtualBox dbus-daemon[8078]: [session uid=1000 pid=8078] Successfully activated service 'org.gnome.Nautilus'
Feb 26 22:08:58 jayanth-VirtualBox org.gnome.Nautilus[10573]: Failed to register: Unable to acquire bus name 'org.gnome.Nautilus'
Feb 26 22:08:59 jayanth-VirtualBox gnome-shell[8386]: cr_parser_new_from_buf: assertion 'a_buf && a_len' failed
Feb 26 22:08:59 jayanth-VirtualBox gnome-shell[8386]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).
Feb 26 22:08:59 jayanth-VirtualBox Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 26 22:08:59 jayanth-VirtualBox 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.

```
Feb 27 07:46
Jayanth@Jayanth-VirtualBox -
Jayanth@Jayanth-VirtualBox -
Feb 26 22:08:59 jayanth-VirtualBox gnome-shell[8386]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 26 22:08:59 jayanth-VirtualBox gnome-shell[8386]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).
Feb 26 22:09:23 jayanth-VirtualBox systemd[1]: fprintd.service: succeeded.
Jayanth@Jayanth-VirtualBox:~$ touch flag.txt
Jayanth@Jayanth-VirtualBox:~$ gedit flag.txt
Jayanth@Jayanth-VirtualBox:~$ cat flag.txt
sasank
dhanush
noksha
rohit
nounish
ran
```

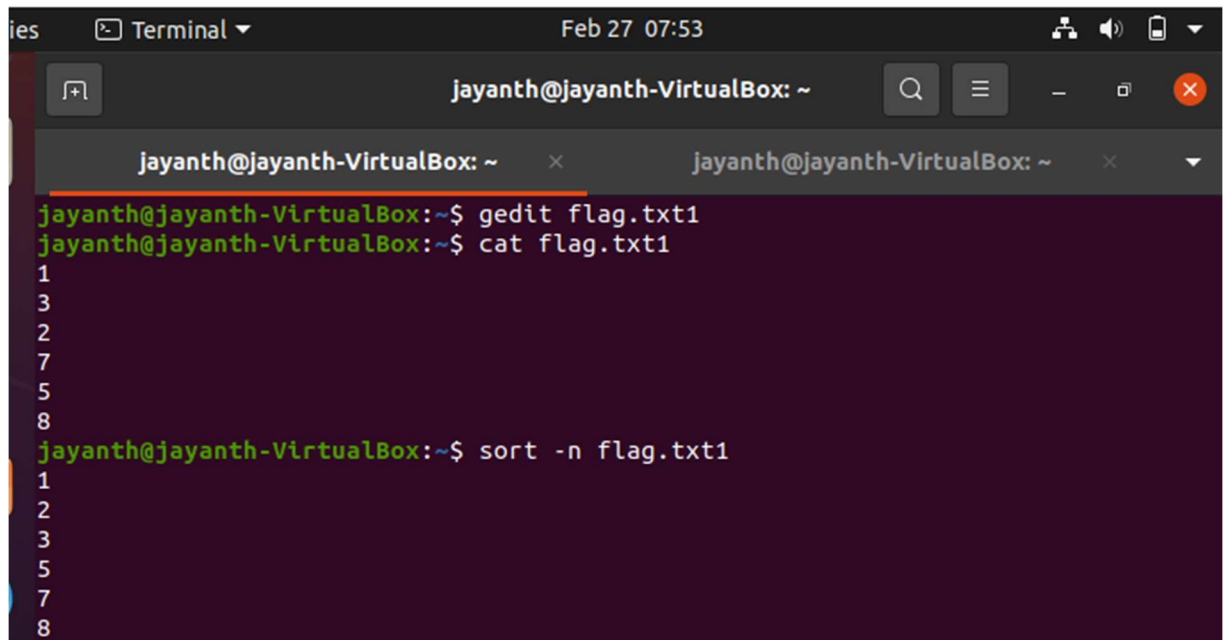
☐ Alphabetical order

```
Feb 27 07:47
Jayanth@Jayanth-VirtualBox -
Jayanth@Jayanth-VirtualBox -
Jayanth@Jayanth-VirtualBox:~$ sort flag.txt
dhanush
noksha
nounish
ran
rohit
sasank
```

☐ Reverse order

```
Feb 27 07:49
Jayanth@Jayanth-VirtualBox -
Jayanth@Jayanth-VirtualBox -
Jayanth@Jayanth-VirtualBox:~$ tac flag.txt
ran
nounish
rohit
noksha
dhanush
sasank
```

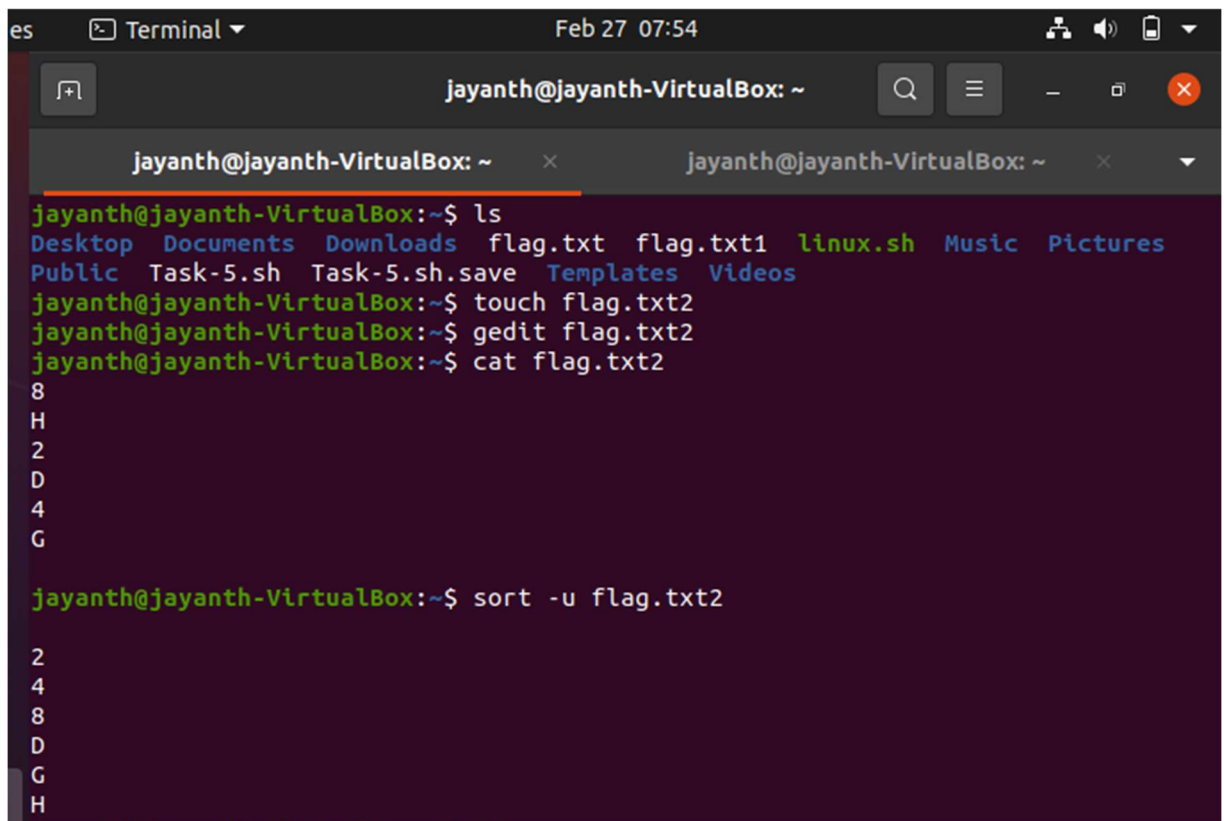
☐ Numerical order



```
ies Terminal Feb 27 07:53
jayanth@jayanth-VirtualBox: ~
jayanth@jayanth-VirtualBox: ~
jayanth@jayanth-VirtualBox:~$ gedit flag.txt1
jayanth@jayanth-VirtualBox:~$ cat flag.txt1
1
3
2
7
5
8
jayanth@jayanth-VirtualBox:~$ sort -n flag.txt1
1
2
3
5
7
8
```

- 5) Copee is a hard-working cop. He found a case and was almost on 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?

□ ”.



```
jayanth@jayanth-VirtualBox: ~  
jayanth@jayanth-VirtualBox:~$ ls  
Desktop Documents Downloads flag.txt flag.txt1 linux.sh Music Pictures  
Public Task-5.sh Task-5.sh.save Templates Videos  
jayanth@jayanth-VirtualBox:~$ touch flag.txt2  
jayanth@jayanth-VirtualBox:~$ gedit flag.txt2  
jayanth@jayanth-VirtualBox:~$ cat flag.txt2  
8  
H  
2  
D  
4  
G  
  
jayanth@jayanth-VirtualBox:~$ sort -u flag.txt2  
2  
4  
8  
D  
G  
H
```

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

- ❖ Each permission group has three permissions, called a permission set.
- ❖ Each set consists of **read**, **write**, and **execute** permissions.
- ❖ Each file or directory has three permission sets for the three types of permission groups.
- ❖ The first permission set represents the owner permissions, the second set represents the group permissions, and the last set represents the other permissions.
- ❖ The read, write, and execute permissions are represented by the characters **r**, **w**, and **x**, respectively.
- ❖ The presence of any of these characters, such as **r**, indicates that the particular permission is granted.

Permission	Access for a file	Access for a directory
Read (r)	You can display file contents and copy the file.	You can list the directory contents with the ls command.
Write (w)	You can modify the file contents.	You can modify the contents of a directory, such as by deleting a file. You must also have the execute permission for this to happen.
Execute (x)	You can execute the file if it is an executable. You can execute a shell script if you also have read and execute permissions.	You can use the cd command to access the directory. If you also have read access, you can run the ls -l command on the directory to list contents. If you do not have read access, you can run the ls command as long as you know the file name.