COGNIZANCE CLUB

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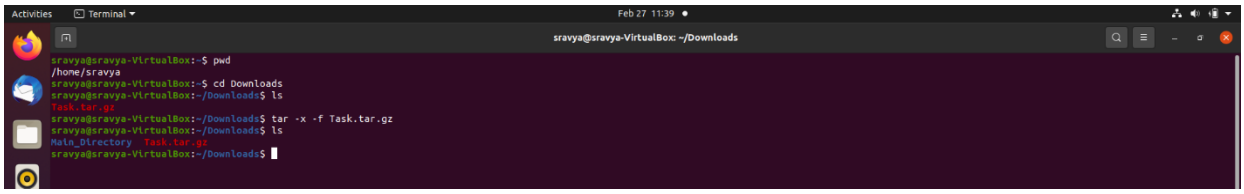
ROLL NO :- 21035

TASK-5

PART 1

Unzipped the file using



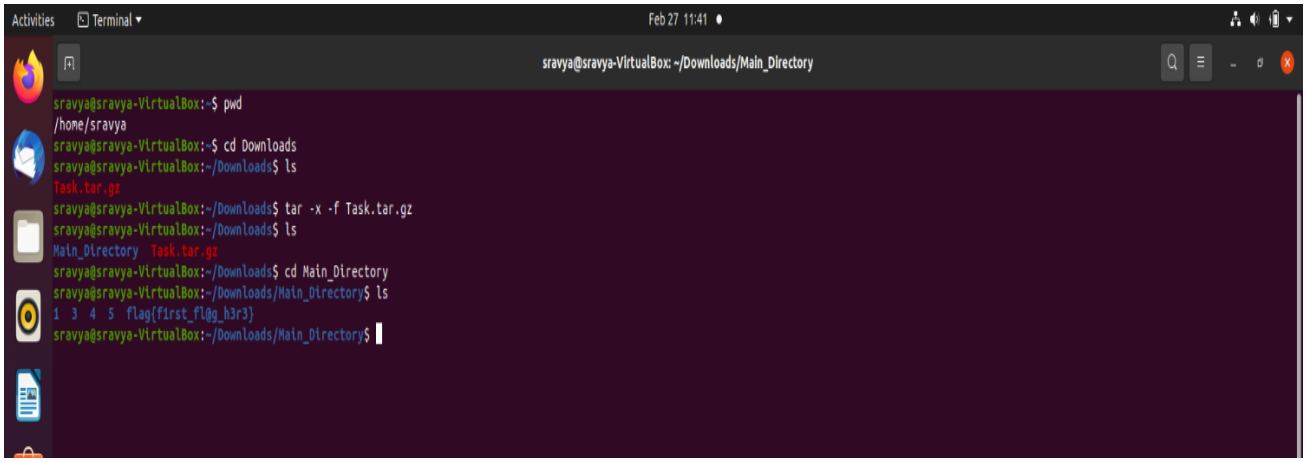
Number of flags found 11

The flags are as follows:-

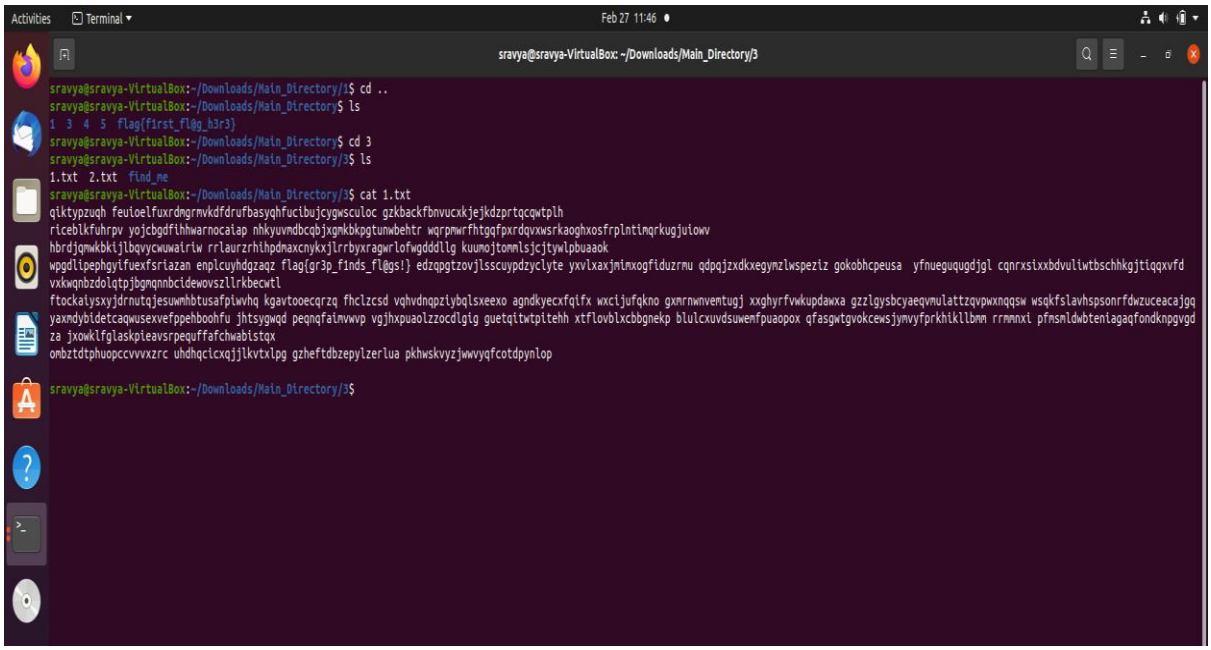
1. flag{f1rst_fl@g_h3r3}
2. flag{gr3p_f1nds_fl@gs!}
3. flag{Y0u_f0und_m3!}
4. flag{e@5y_p@ssw0rd!}
5. flag{Y0u_f0und_th3_hidd3n_dir!}
6. flag{h1dden_fil3!}
7. flag{t3xt_15_n0t_h1dd3n!}
8. flag{3x3cut10n_d0n3!}
9. flag{t@c_15_fun!}
10. flag{m3ow_m3ow_cat!}
11. flag{d1ff_c0mm@nd15_u53ful!}

The screenshots of the flags are provided below:-

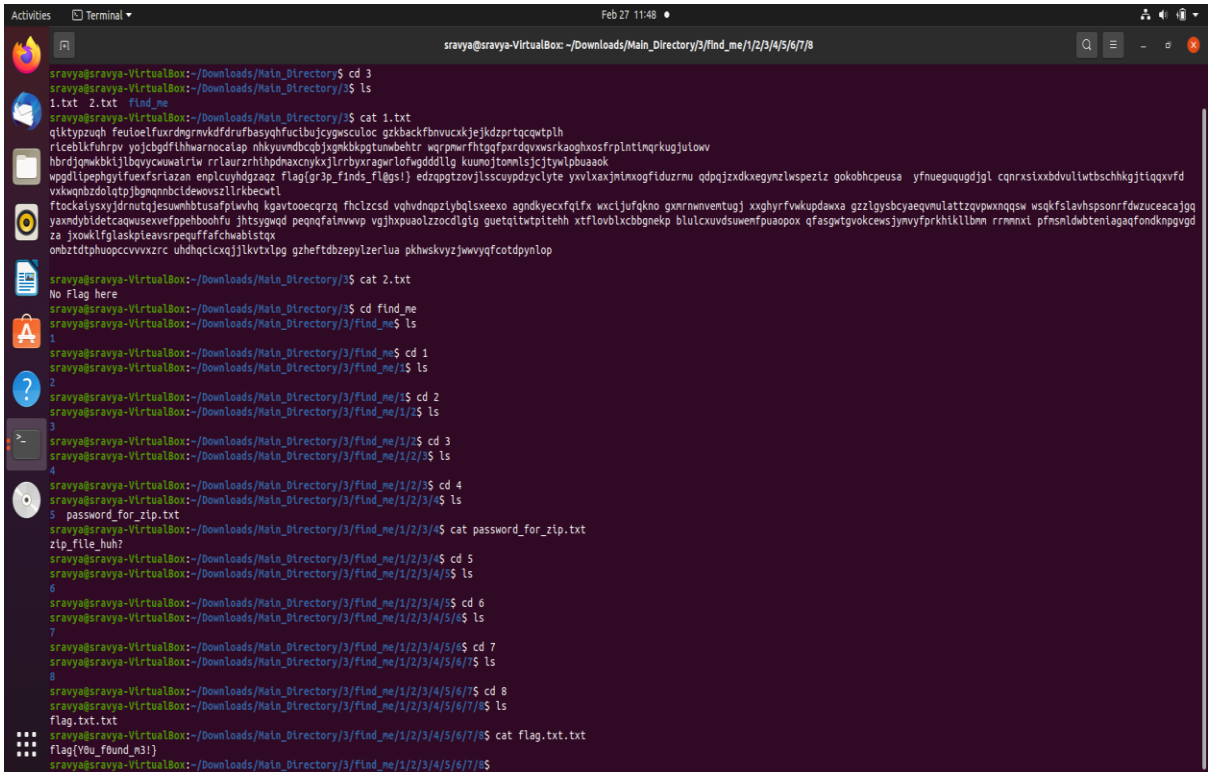
1.Flag 1 flag{f1rst_fl@g_h3r3}



2.FLAG2 flag{gr3p_f1nds_fl@gs!}

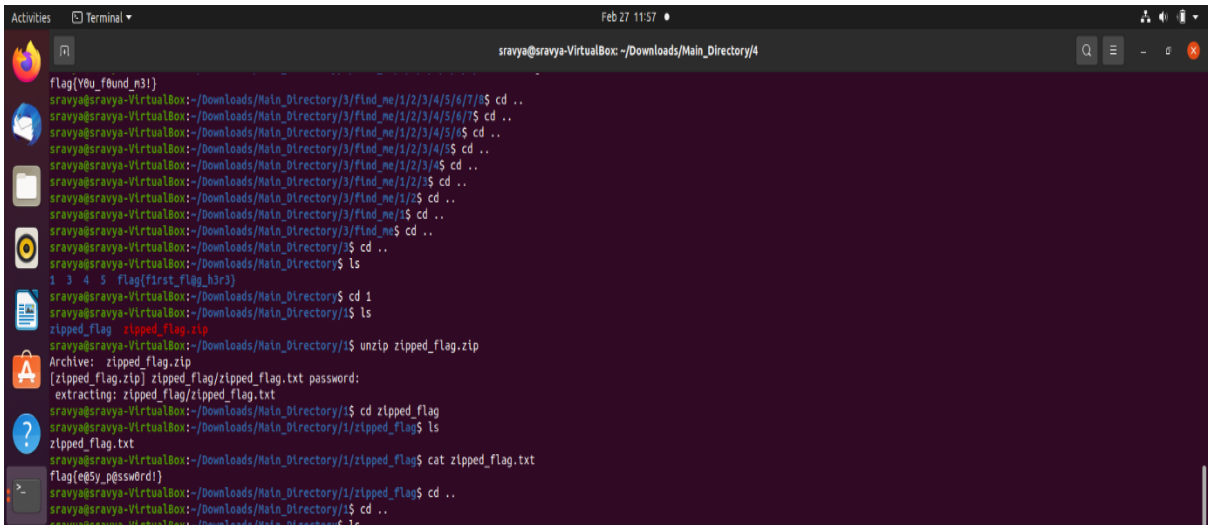


3. FLAG3 flag{Y0u_f0und_m3!}



4.FLAG 4 flag{e@5y_p@ssw0rd!}

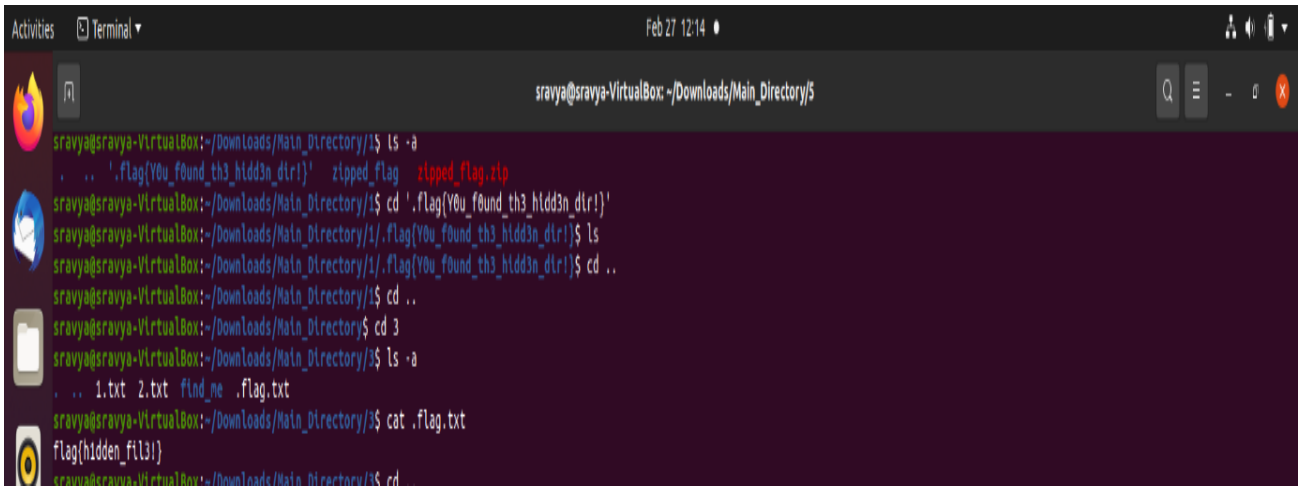
found password for the zipped flag in dir1



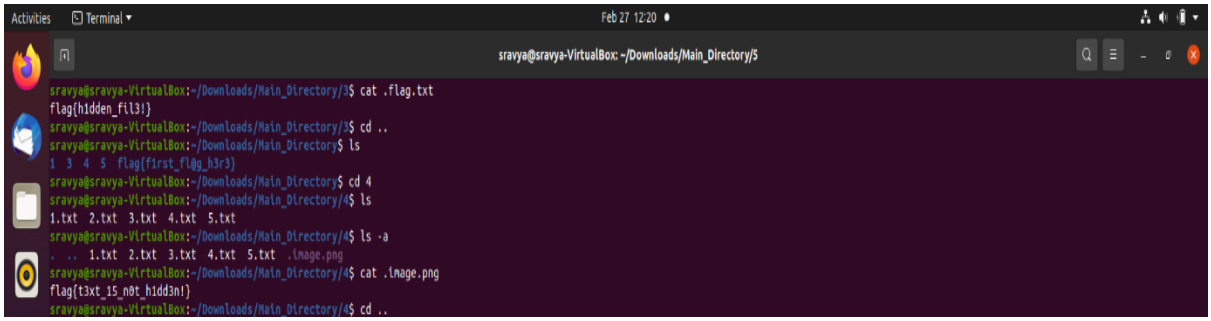
5.FLAG5 '.flag{Y0u_f0und_th3_hidd3n_dir!}'

Used ls -a for hidden files

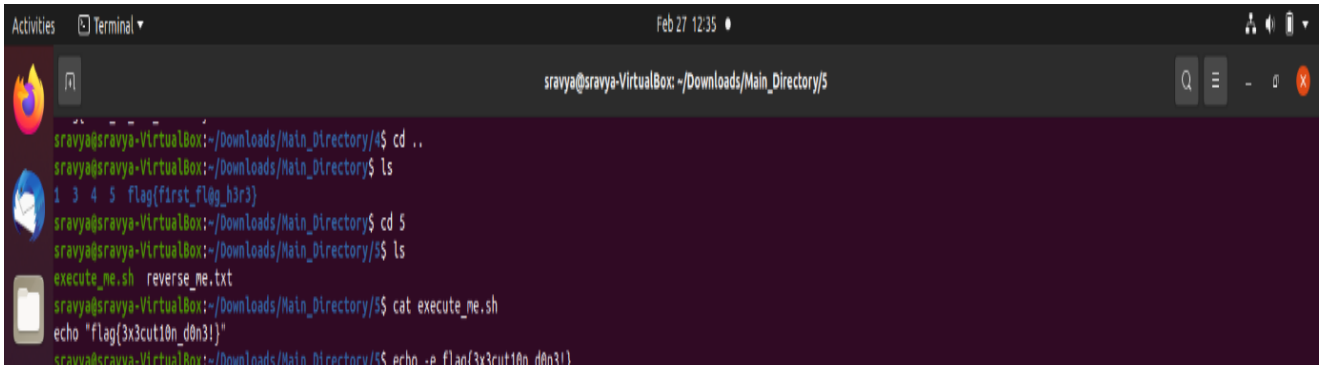
6. FLAG6 flag{h1dden_fil3!}



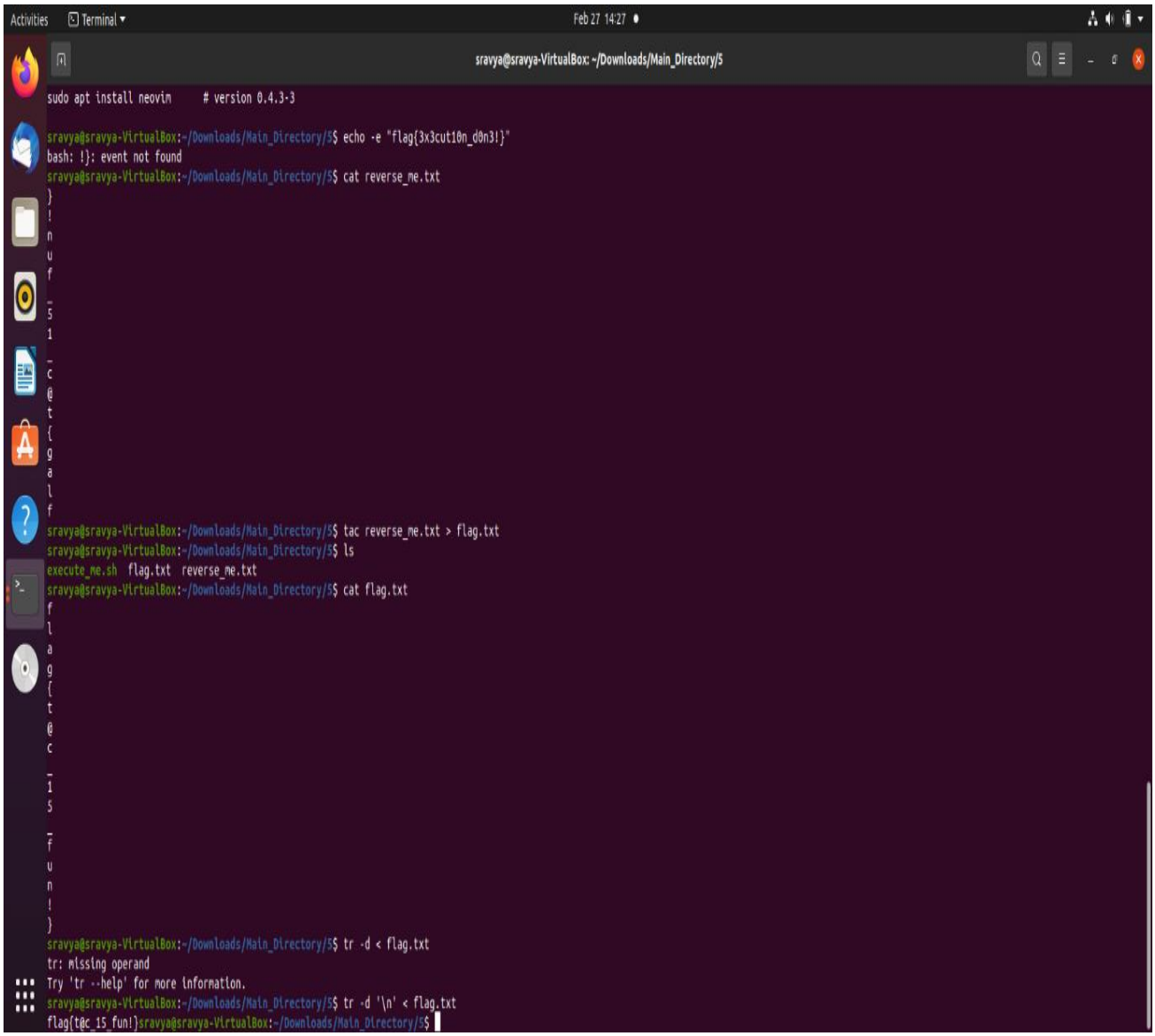
7. FLAG7 flag{t3xt_15_n0t_h1dd3n!}



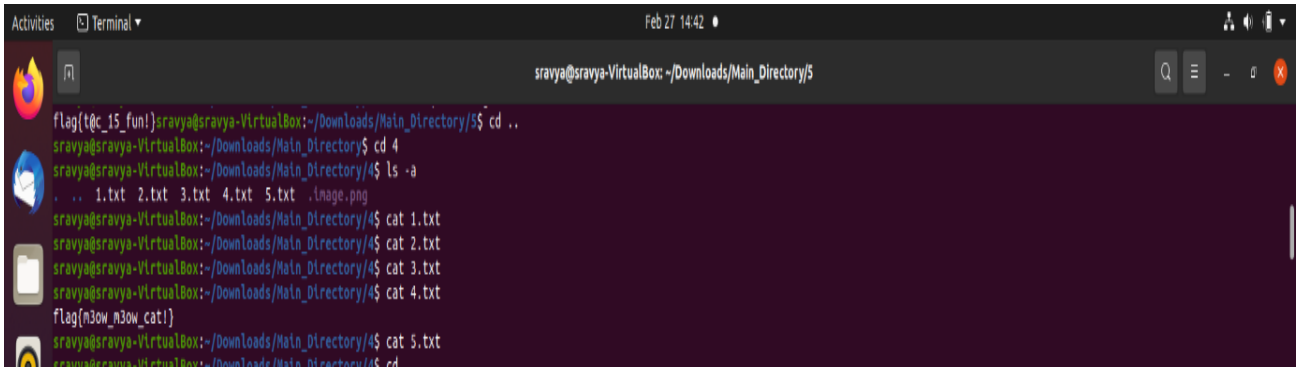
8. FLAG8 flag{3x3cut10n_d0n3!}



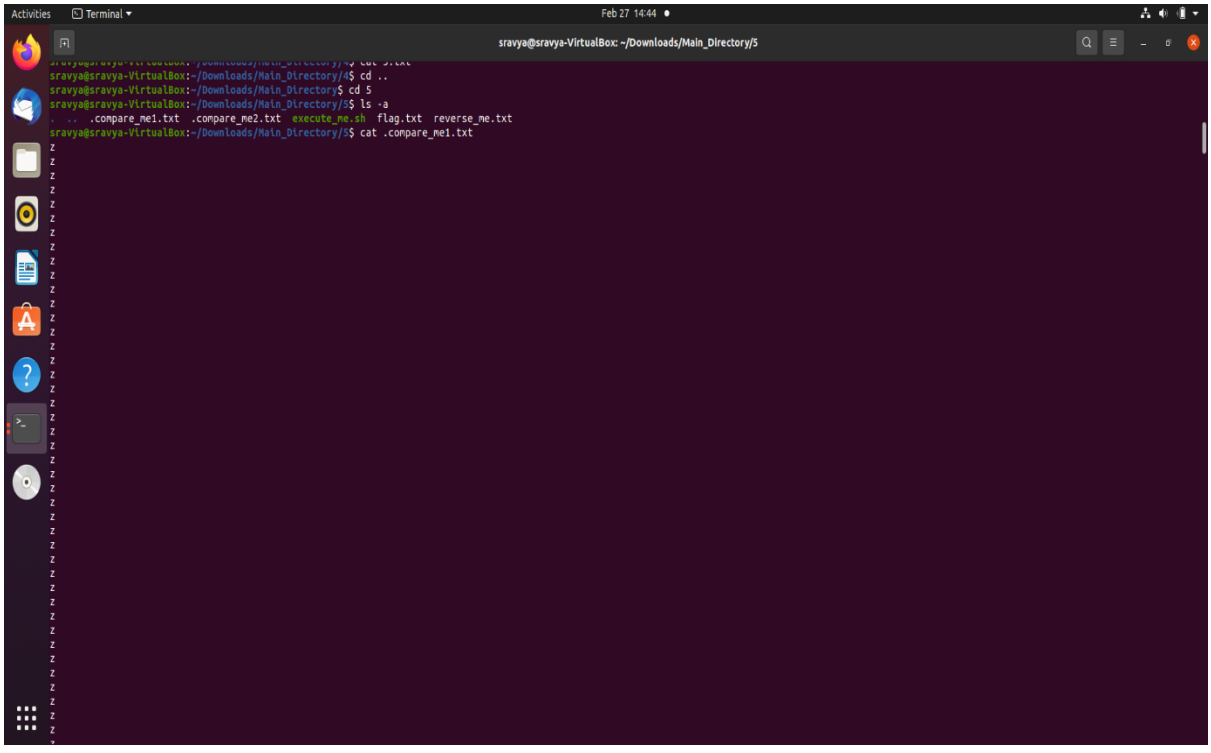
9.FLAG9 flag{t@c_15_fun!}



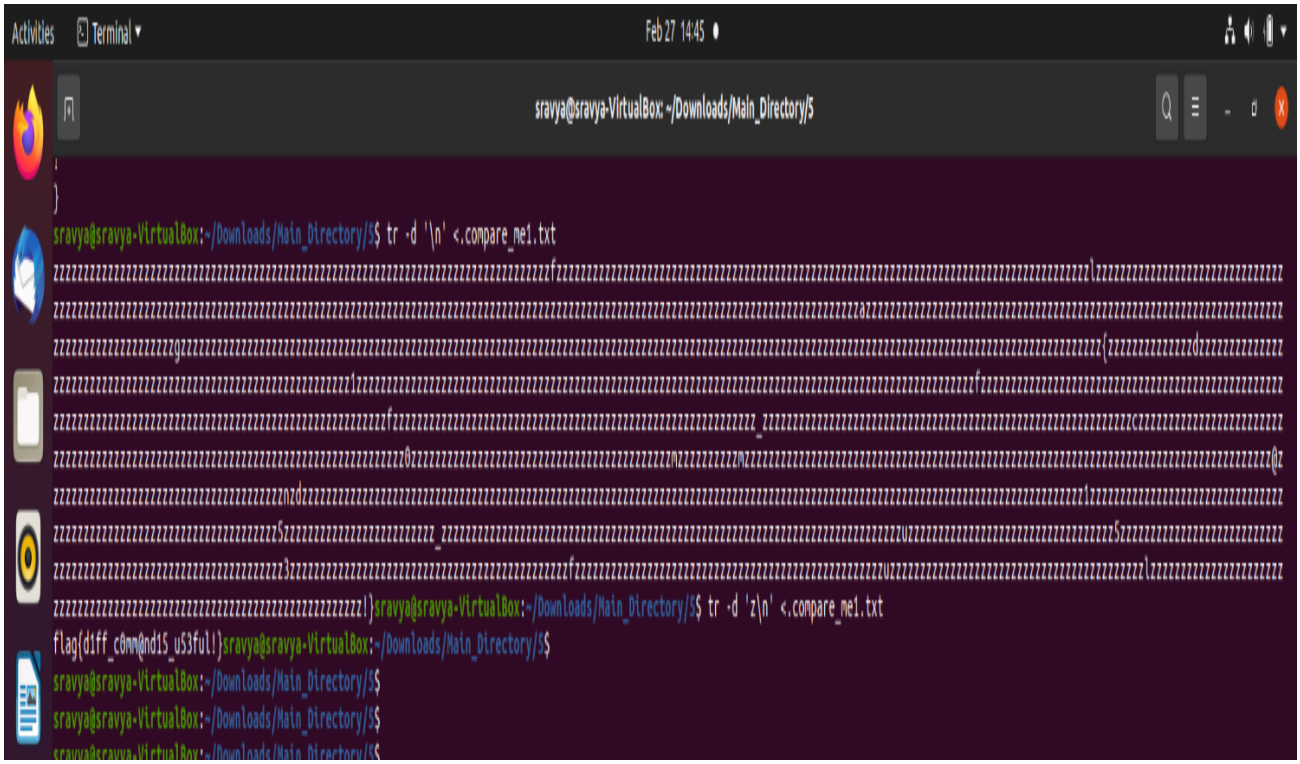
10.FLAG10 flag{m3ow_m3ow_cat!}



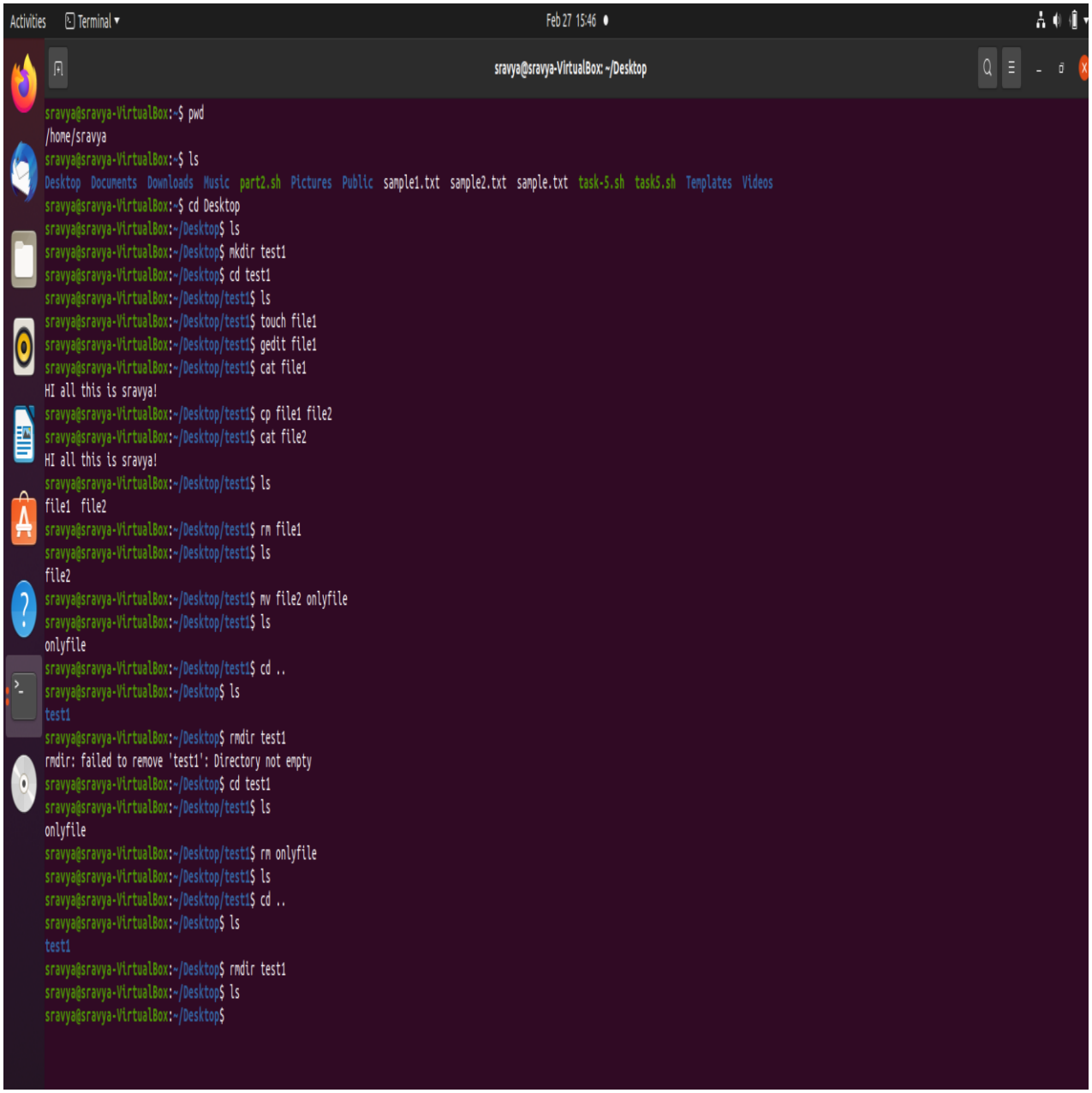
11.FLAG11 flag{d1ff_c0mm@nd15_u53ful!}



Used a command to delete rows to view the command properly



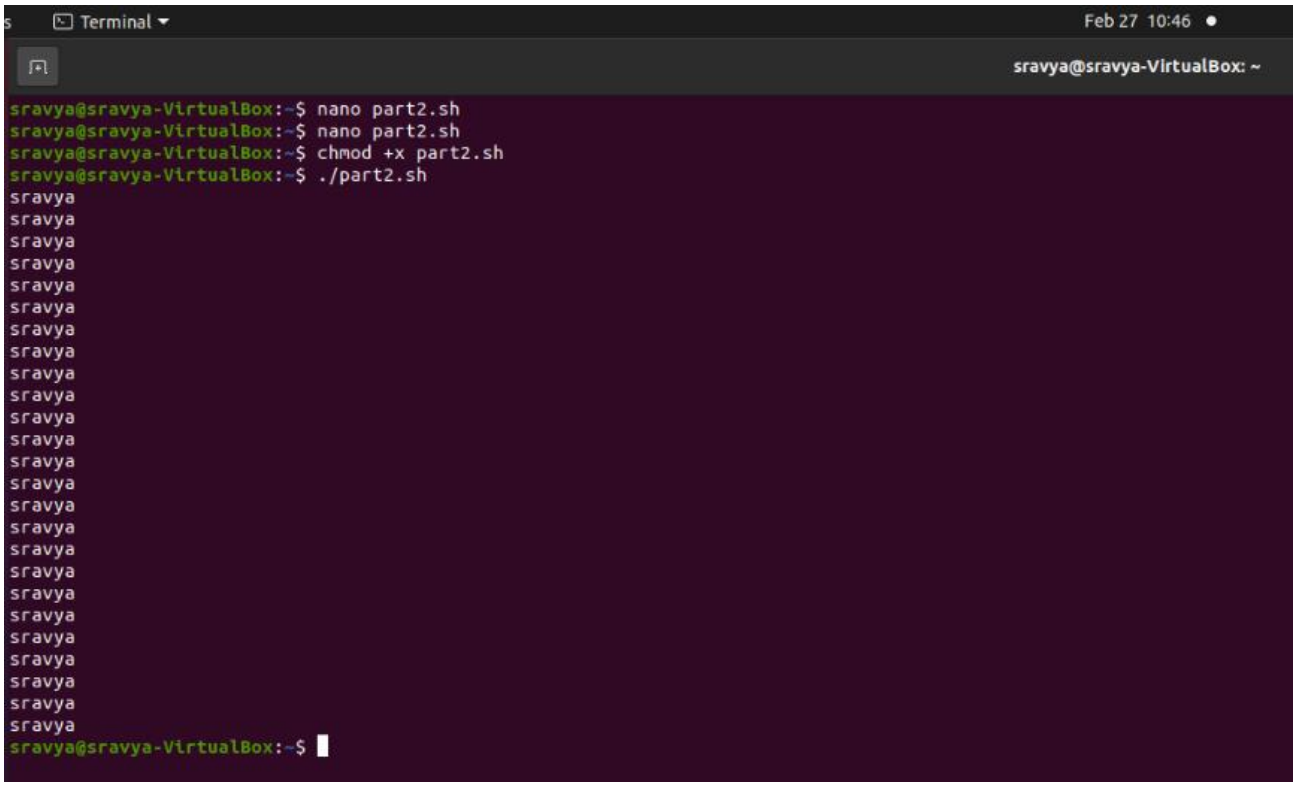
TRIED OTHER LINUX COMMANDS

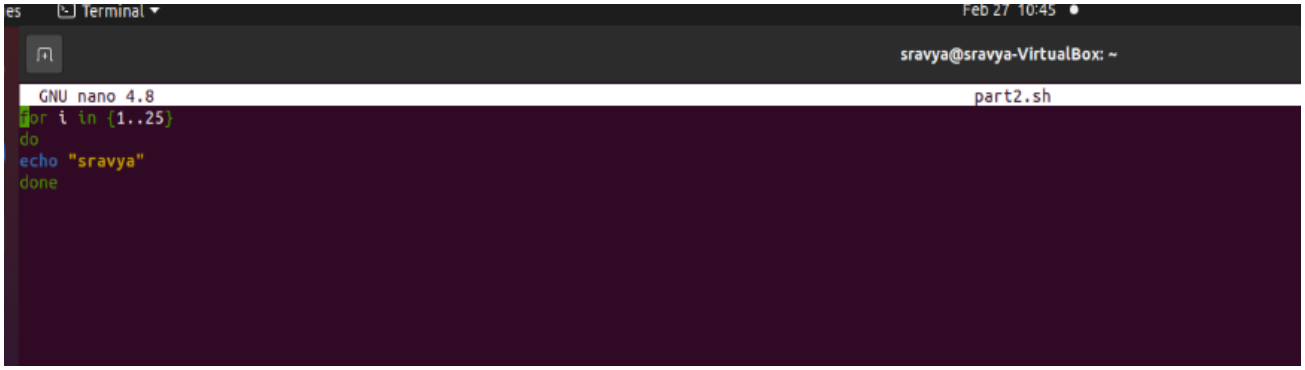

Activities
Terminal
Feb 27 15:46
sravya@sravya-VirtualBox: ~/Desktop
sravya@sravya-VirtualBox:~$ pwd
/home/sravya
sravya@sravya-VirtualBox:~$ ls
Desktop Documents Downloads Music part2.sh Pictures Public sample1.txt sample2.txt sample.txt task-5.sh task5.sh Templates Videos
sravya@sravya-VirtualBox:~$ cd Desktop
sravya@sravya-VirtualBox:~/Desktop$ ls
sravya@sravya-VirtualBox:~/Desktop$ mkdir test1
sravya@sravya-VirtualBox:~/Desktop$ cd test1
sravya@sravya-VirtualBox:~/Desktop/test1$ ls
sravya@sravya-VirtualBox:~/Desktop/test1$ touch file1
sravya@sravya-VirtualBox:~/Desktop/test1$ gedit file1
sravya@sravya-VirtualBox:~/Desktop/test1$ cat file1
HI all this is sravya!
sravya@sravya-VirtualBox:~/Desktop/test1$ cp file1 file2
sravya@sravya-VirtualBox:~/Desktop/test1$ cat file2
HI all this is sravya!
sravya@sravya-VirtualBox:~/Desktop/test1$ ls
file1 file2
sravya@sravya-VirtualBox:~/Desktop/test1$ rm file1
sravya@sravya-VirtualBox:~/Desktop/test1$ ls
file2
sravya@sravya-VirtualBox:~/Desktop/test1$ mv file2 onlyfile
sravya@sravya-VirtualBox:~/Desktop/test1$ ls
onlyfile
sravya@sravya-VirtualBox:~/Desktop/test1$ cd ..
sravya@sravya-VirtualBox:~/Desktop$ ls
test1
sravya@sravya-VirtualBox:~/Desktop$ rmdir test1
rmdir: failed to remove 'test1': Directory not empty
sravya@sravya-VirtualBox:~/Desktop$ cd test1
sravya@sravya-VirtualBox:~/Desktop/test1$ ls
onlyfile
sravya@sravya-VirtualBox:~/Desktop/test1$ rm onlyfile
sravya@sravya-VirtualBox:~/Desktop/test1$ ls
sravya@sravya-VirtualBox:~/Desktop/test1$ cd ..
sravya@sravya-VirtualBox:~/Desktop$ ls
test1
sravya@sravya-VirtualBox:~/Desktop$ rmdir test1
sravya@sravya-VirtualBox:~/Desktop$ ls
sravya@sravya-VirtualBox:~/Desktop$

PART 2

QUESTIONS

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





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

COMMAND :- “head -n30 /var/log/syslog”

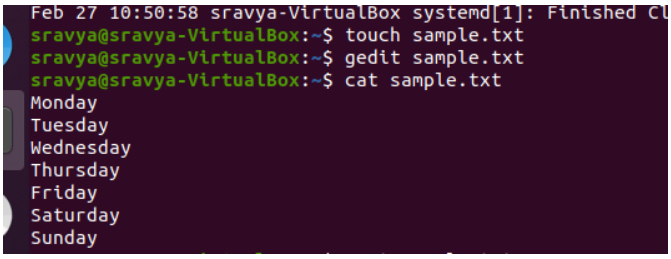
```
sravya
sravya@sravya-VirtualBox:~$ head -n30 /var/log/syslog
Feb 27 10:35:59 sravya-VirtualBox rsyslogd: [origin software="rsyslogd" swVersion="8.2001.0" x-pid="631" x-info="https://www.rsyslog.com"] rsyslogd was HUPed
Feb 27 10:35:59 sravya-VirtualBox NetworkManager[616]: <info>  [1645938359.3033] NetworkManager (version 1.22.10) is starting... (for the first time)
Feb 27 10:35:59 sravya-VirtualBox NetworkManager[616]: <info>  [1645938359.3035] Read config: /etc/NetworkManager/NetworkManager.conf (lib: 10-dns-resolved.conf, 20-connectivity-ubuntu.conf, no-mac-addr-
change.conf) (run: 10-globally-managed-devices.conf) (etc: default-wifi-powersave-on.conf)
Feb 27 10:35:59 sravya-VirtualBox dbus-daemon[614]: [system] AppArmor D-Bus mediation is enabled
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: logrotate.service: Succeeded.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Finished Rotate log files.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Started Login Service.
Feb 27 10:35:59 sravya-VirtualBox dbus-daemon[614]: [system] Successfully activated service 'org.freedesktop.systemd1'
Feb 27 10:35:59 sravya-VirtualBox wpa_supplicant[651]: Successfully initialized wpa_supplicant
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Started Avahi mDNS/DNS-SD Stack.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Started WPA supplicant.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Successfully called chroot().
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Successfully dropped remaining capabilities.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Started Switcheroo Control Proxy service.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: No service file found in /etc/avahi/services.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Started Network Manager.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Reached target Network.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Joining mDNS multicast group on interface lo.IPv6 with address ::1.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: New relevant interface lo.IPv6 for mDNS.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Joining mDNS multicast group on interface lo.IPv4 with address 127.0.0.1.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: New relevant interface lo.IPv4 for mDNS.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Network interface enumeration completed.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Registering new address record for ::1 on lo.*.
Feb 27 10:35:59 sravya-VirtualBox avahi-daemon[611]: Registering new address record for 127.0.0.1 on lo.IPv4.
Feb 27 10:35:59 sravya-VirtualBox NetworkManager[616]: <info>  [1645938359.3280] bus-manager: acquired D-Bus service "org.freedesktop.NetworkManager"
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Starting Network Manager Wait Online...
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Condition check resulted in Manage Sound Card State (restore and store) being skipped.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Starting Save/Restore Sound Card State...
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Started Make remote CUPS printers available locally.
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Starting OpenVPN service...
sravya@sravya-VirtualBox:~$ tail -n30 /var/log/syslog
```

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

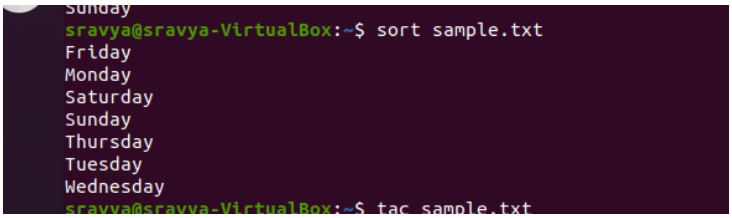
COMMAND:- “tail -n30 /var/log/syslog”

```
Feb 27 10:35:59 sravya-VirtualBox systemd[1]: Starting OpenVPN service...
sravya@sravya-VirtualBox:~$ tail -n30 /var/log/syslog
Feb 27 10:42:18 sravya-VirtualBox systemd[1388]: Starting Tracker metadata extractor...
Feb 27 10:42:18 sravya-VirtualBox tracker-extract[2384]: Set scheduler policy to SCHED_IDLE
Feb 27 10:42:18 sravya-VirtualBox tracker-extract[2384]: Setting priority nice level to 19
Feb 27 10:42:18 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Successfully activated service 'org.freedesktop.Tracker1.Miner.Extract'
Feb 27 10:42:18 sravya-VirtualBox systemd[1388]: Started Tracker metadata extractor.
Feb 27 10:42:28 sravya-VirtualBox systemd[1388]: tracker-extract.service: Succeeded.
Feb 27 10:43:10 sravya-VirtualBox tracker-store[2377]: OK
Feb 27 10:43:10 sravya-VirtualBox systemd[1388]: tracker-store.service: Succeeded.
Feb 27 10:45:16 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Activating via systemd: service name='org.freedesktop.Tracker1' unit='tracker-store.service' requested by ':1.2' (uid=1000
 pid=1396 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 10:45:16 sravya-VirtualBox systemd[1388]: Starting Tracker metadata database store and lookup manager...
Feb 27 10:45:16 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Successfully activated service 'org.freedesktop.Tracker1'
Feb 27 10:45:16 sravya-VirtualBox systemd[1388]: Started Tracker metadata database store and lookup manager.
Feb 27 10:45:16 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Activating via systemd: service name='org.freedesktop.Tracker1.Miner.Extract' unit='tracker-extract.service' requested by
':1.2' (uid=1000 pid=1396 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 10:45:16 sravya-VirtualBox systemd[1388]: Starting Tracker metadata extractor...
Feb 27 10:45:16 sravya-VirtualBox tracker-extract[2419]: Set scheduler policy to SCHED_IDLE
Feb 27 10:45:16 sravya-VirtualBox tracker-extract[2419]: Setting priority nice level to 19
Feb 27 10:45:16 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Successfully activated service 'org.freedesktop.Tracker1.Miner.Extract'
Feb 27 10:45:16 sravya-VirtualBox systemd[1388]: Started Tracker metadata extractor.
Feb 27 10:45:26 sravya-VirtualBox systemd[1388]: tracker-extract.service: Succeeded.
Feb 27 10:45:46 sravya-VirtualBox tracker-store[2412]: OK
Feb 27 10:45:46 sravya-VirtualBox systemd[1388]: tracker-store.service: Succeeded.
Feb 27 10:46:17 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Activating via systemd: service name='org.freedesktop.Tracker1' unit='tracker-store.service' requested by ':1.2' (uid=1000
 pid=1396 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 10:46:17 sravya-VirtualBox systemd[1388]: Starting Tracker metadata database store and lookup manager...
Feb 27 10:46:17 sravya-VirtualBox dbus-daemon[1398]: [session uid=1000 pid=1398] Successfully activated service 'org.freedesktop.Tracker1'
Feb 27 10:46:17 sravya-VirtualBox systemd[1388]: Started Tracker metadata database store and lookup manager.
Feb 27 10:46:47 sravya-VirtualBox tracker-store[2444]: OK
Feb 27 10:46:47 sravya-VirtualBox systemd[1388]: tracker-store.service: Succeeded.
Feb 27 10:50:58 sravya-VirtualBox systemd[1]: Starting Cleanup of Temporary Directories...
Feb 27 10:50:58 sravya-VirtualBox systemd[1]: systemd-tmpfiles-clean.service: Succeeded.
Feb 27 10:50:58 sravya-VirtualBox systemd[1]: Finished Cleanup of Temporary Directories.
```

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



- Alphabetically
- COMMAND :- “sort filename.txt”



- Reverse order
- COMMAND :- “tac filename.txt”

```
Wednesday
sravya@sravya-VirtualBox:~$ tac sample.txt
Sunday
Saturday
Friday
Thursday
Wednesday
Tuesday
Monday
sravya@sravya-VirtualBox:~$
```

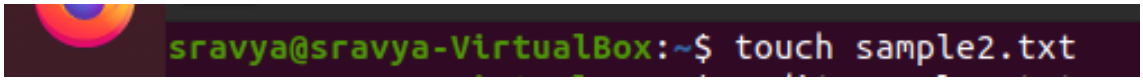
- Numerical order
- COMMAND :- “sort -n filename.txt”

```
1000
sravya@sravya-VirtualBox:~$ touch sample1.txt
sravya@sravya-VirtualBox:~$ gedit sample1.txt
sravya@sravya-VirtualBox:~$ cat sample1.txt
1
123
9090
786
456
3456
22
3
34
56

sravya@sravya-VirtualBox:~$ sort -n sample1.txt
```

```
sravya@sravya-VirtualBox:~$ sort -n sample1.txt

1
3
22
34
56
123
456
786
3456
9090
sravya@sravya-VirtualBox:~$
```

5.Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his 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?

COMMAND :-“ sort -u filename.txt”



```
sravya@sravya-VirtualBox:~$ gedit sample2.txt
sravya@sravya-VirtualBox:~$ cat sample2.txt
hello
hello
monday
wednesday
friday
tuesday
friday
sravya
sravya
sravya@sravya-VirtualBox:~$ sort -u sample2.txt
```

```
sravya@sravya-VirtualBox:~$ sort -u sample2.txt
friday
hello
monday
sravya
tuesday
wednesday
sravya@sravya-VirtualBox:~$
```

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

File permissions determine what a user is permitted to perform on the given file.

The three parts of the file permission are as follows:-

- READ PERMISSION
  This permission enables you the authority to open and read a file. Read permission on a directory gives you the ability to list its content. This file cannot be modified.

- WRITE PERMISSION
  This permission allows you to edit, remove or rename a file. If a file is present in a directory, and write permission is set on the file but not on the directory, then you can edit the content of the file but can't remove, or rename it.

- EXECUTE PERMISSION
  This permission affects the user’s capability to execute a file or just view the contents.