Name:Gottimukkula rajashekar reddy Roll No:CH.EN.U4CSE20124

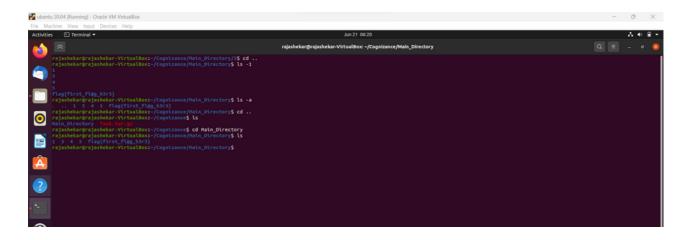
Discord Handle: RajashekarReddy#2168

TASK 4

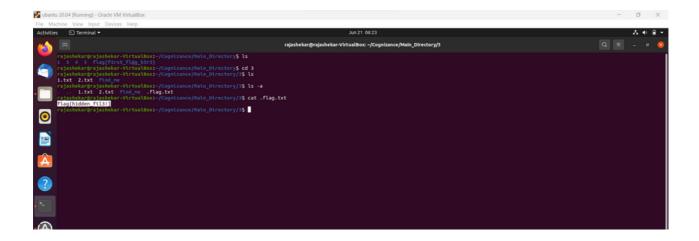
PART 1

FLAGS:

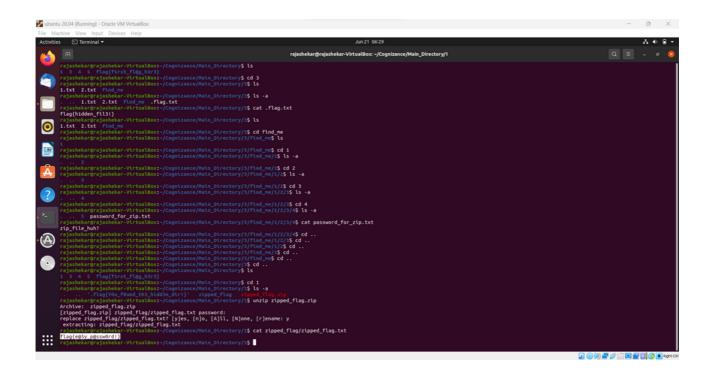
FLAG 1: flag{f1rst_fl@g_h3r3}



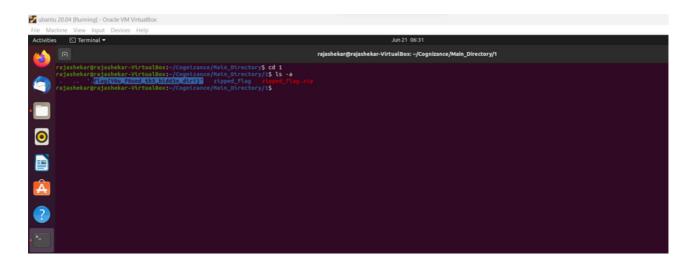
FLAG 2: flag{h1dden_fil3!}



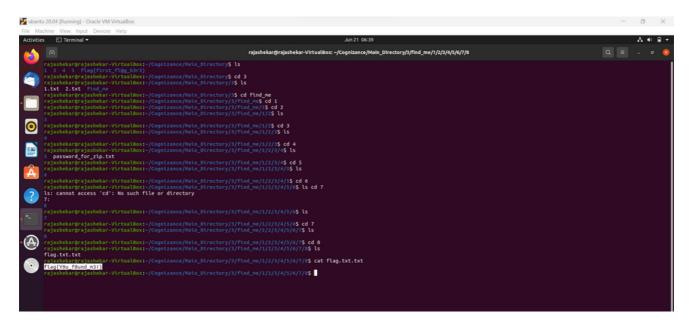
FLAG 3: flag{e@5y_p@ssword!}



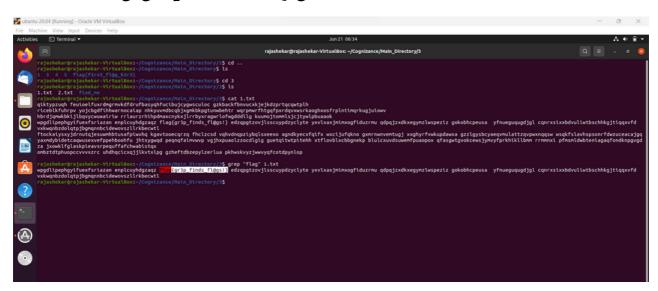
FLAG 4: flag{You_found_th3_hidd3n_dir!}



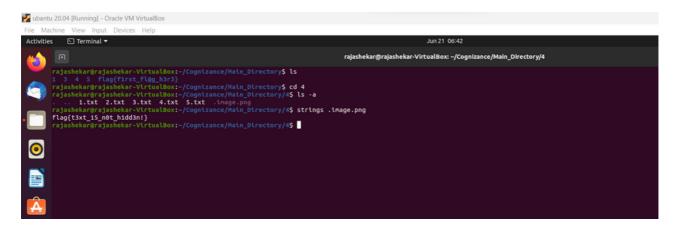
FLAG 5: flag{You_found_m3!}



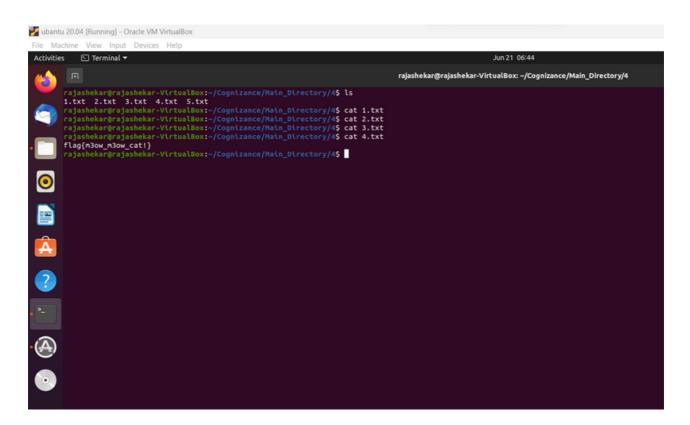
FLAG 6: flag{gr3p_f1nds_fl@gs!}



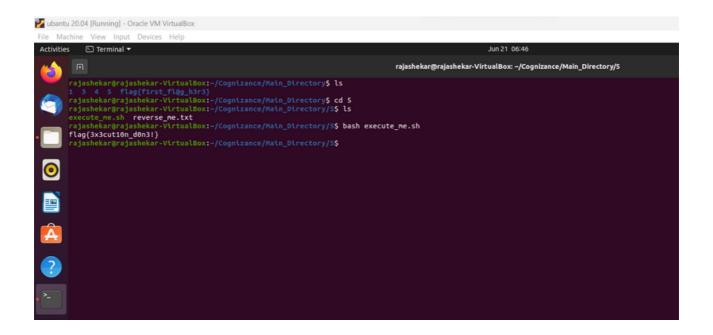
FLAG 7: flag{t3xt_15_not_h1dd3n!}



FLAG 8: flag{m3ow_m3ow_cat!}



FLAG 9: flag{3x3cut10n_don3!}



FLAG 10: flag{t@c_15_fun!}

```
## Wounts 2004 Plurning|- Crade VM VirtualBox:

## Wounts | Decision | Premist |

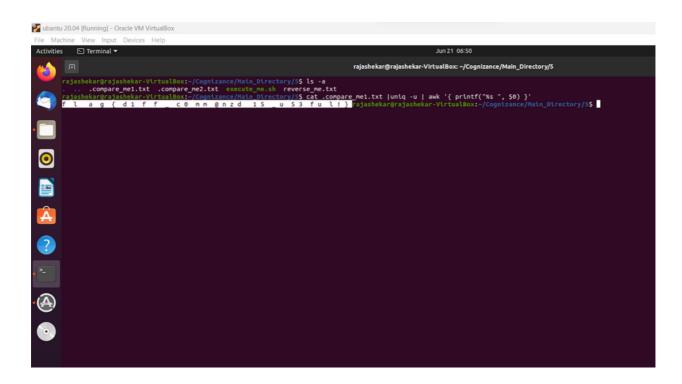
## Rajashekar@rajashekar-VirtualBox:-/Cognizance/Main_Directory/5 |

## Tajashekar@rajashekar-VirtualBox:-/Cognizance/Main_Directory/5 |

## Tajashekar@rajashekar.-VirtualBox:-/Cognizance/Main_Directory/5 |

## Tajashekar@rajashekar
```

FLAG 11: flag{diff_15_u53ful!}



Flags:

```
FLAG 1: flag{first_fl@g_h3r3}

FLAG 2: flag{h1dden_fil3!}

FLAG 3: flag{e@5y_p@ssword!}

FLAG 4: flag{You_found_th3_hidd3n_dir!}

FLAG 5: flag{You_found_m3!}

FLAG 6: flag{gr3p_finds_fl@gs!}

FLAG 7: flag{t3xt_15_not_h1dd3n!}

FLAG 8: flag{m3ow_m3ow_cat!}

FLAG 9: flag{3x3cut1on_don3!}

FLAG 10: flag{t@c_15_fun!}

FLAG 11: flag{diff_15_u53ful!}
```

PART 2:

Part two contains questions that requires the correct command for the desired result as specified in the question. Please enter the correct command under each question in your pdf.

Questions:

Write a bash script to echo your name 25 times

```
GNU nano 4.8
for (( i=25; i>0; i-- ))
do
echo "Rajashekar reddy "
done
printf "\n"
```

```
rajashekar@rajashekar-VirtualBox:~/Desktop/Cognizance$ nano first.c
rajashekar@rajashekar-VirtualBox:~/Desktop/Cognizance$ bash first.c
Rajashekar reddy
```

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

command: **head -25 syslog** after moving to **var/log** directory

```
Jun 20 11:54:32 rajashekar-VirtualBox (sernel: [192261.196370] audit: type=1400 audit(1655706272.150:105): apparmor="DENIED" operation="capable" profile="/usr/sbin/cup sed" capablitty=23 capanae="sys_nice"
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: logrotate.service: Succeeded.
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: Finished Rotate log files.
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: Finished Rotate log files.
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: Finished Botate log files.
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: Finished Bubuntu Advantage APT and MOTD Messages.
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: Finished Bubuntu Advantage APT and MOTD Messages.
Jun 20 11:54:32 rajashekar-VirtualBox systend[1]: Finished Dalty man-und-bregeneration.
Jun 20 11:54:33 rajashekar-VirtualBox systend[1]: Finished Dalty man-und-bregeneration.
Jun 20 11:54:33 rajashekar-VirtualBox systend[1]: Finished Bolly man-und-bregeneration.
Jun 20 11:54:33 rajashekar-VirtualBox systend[1]: Finished Refresh fwupd metadata and update motd.
Jun 20 11:54:51 rajashekar-VirtualBox systend[1]: Finished Refresh fwupd metadata and update motd.
Jun 20 11:54:51 rajashekar-VirtualBox systend[1]: Starten Packagekit Daemon...
Jun 20 11:54:51 rajashekar-VirtualBox systend[1]: Starten Packagekit Daemon...
Jun 20 11:54:51 rajashekar-VirtualBox systend[1]: Started Packagekit Daemon...
Jun 20 11:54:51 rajashekar-VirtualBox systend[1]: Started Packagekit Daemon...
Jun 20 11:55:50 rajashekar-VirtualBox dus-daemon[6305]: [systen] Successfully activated service 'org.freedesktop.Packagekit'
Jun 20 11:55:61 rajashekar-VirtualBox dus-daemon[6305]: [systen] Successfully activated service name='org.freedesktop.Tracker1' unit='tracker-sda:1000 into 1:50:47 rajashekar-VirtualBox dus-daemon[63368]: [session uid=1000 pid:63368] Activating via systend: service name='org.freedesktop.Tracker1' unit='tracker-sda:1000 pid:63364 capashekar-VirtualBox dus-daemon[63368]: [session uid=1000 pid:63368] Successfully activated se
```

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

command: **tail -25 syslog** after moving to **var/log** directory

```
Jun 20 12:24:14 rajashekar-VirtualBox gnome-shell[63632]: cr_declaration_parse_list_from_buf: assertion 'parser' failed
Jun 20 12:24:14 rajashekar-VirtualBox gnome-shell[63632]: g_dbus_connection_ent_signal: assertion 'a_buf &a_len' failed
Jun 20 12:24:14 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:14 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:12 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'parser' failed
Jun 20 12:24:12 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'parser' failed
Jun 20 12:24:22 rajashekar-VirtualBox systemd[1]: Starting Fingerprint Authentication Daemon...
Jun 20 12:24:22 rajashekar-VirtualBox systemd[1]: Starting Fingerprint Authentication Daemon...
Jun 20 12:24:22 rajashekar-VirtualBox systemd[1]: Starting Fingerprint Authentication Daemon...
Jun 20 12:24:22 rajashekar-VirtualBox systemd[1]: Starting Fingerprint Authentication Daemon...
Jun 20 12:24:23 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:25 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'parser' failed
Jun 20 12:24:25 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:25 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:25 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:25 rajashekar-VirtualBox gnome-shell[63632]: cr_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:25 rajashekar-VirtualBox gnome-shell[63632]: for_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:26 rajashekar-VirtualBox gnome-shell[63632]: for_parser_new_from_buf: assertion 'a_buf &a_len' failed
Jun 20 12:24:26 rajashekar-VirtualBox gnome-shell[63632]: for_parser_n
```

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

Alphabetically

command:sort f1

```
rajashekar@rajashekar-VirtualBox:~$ cat f1
one
two
three
four
five
six
seven
eight
nine
ten
eleven
twelve
rajashekar@rajashekar-VirtualBox:~$ sort f1
eight
eleven
five
four
nine
one
seven
six
ten
three
twelve
two
```

Reverse order

command:sort -r f1

```
rajashekar@rajashekar-VirtualBox:~$ sort -r f1
two
twelve
three
ten
six
seven
one
nine
four
five
eleven
eight
```

Numerical order

command:sort -n f2

```
rajashekar@rajashekar-VirtualBox:~$ cat f2

6

8

3

4

9

2

14

36

55

77

22

99

11

33

55

11

1

6

7

12

16
12
16
rajashekar@rajashekar-VirtualBox:~$ sort -n f2
1
2
3
4
6
6
7
8
9
11
11
12
14
16
22
33
36
55
55
77
 77
99
```

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?

Here we use: sort filename|uniq-u

```
r Text Editor |rajashekar-VirtualBox:~$ cat > f3
raju
ram
sai
raju
abhi
ram
bantu
ali
sai
rai
^Z
      Stopped
rajashekar@rajashekar-VirtualBox:~$ sort f3 | uniq -u
abhi
ali
bantu
rai
```

What are the Three parts of file's permission?

Read (r): The read permission allows you to open a file and read its contents.

Write (w): You can modify, delete, or rename a file if you have the write permission.

Execute (x): You can't run or execute a programme in a Unix-like system unless the execute permission is enabled.

```
rajashekar@rajashekar-VirtualBox:~$ ls -l
drwxrwxr-x 2 rajashekar rajashekar 4096 May 2 22:06 Cognizance
drwxr-xr-x 4 rajashekar rajashekar 4096 May 2 22:18 Desktop
-rw-rw-r-- 1 rajashekar rajashekar 128 Feb 1 11:40 dir2.sh
-rw-rw-r-- 1 rajashekar rajashekar 128 Feb 7 12:48 dir2.sh.save
drwxr-xr-x 2 rajashekar rajashekar 4096 Nov 23
                                                        2021 Documents
drwxr-xr-x 2 rajashekar rajashekar 4096 Nov 23 2021 Downloads
                                           63 Jun 20 15:44 f1
-rw-rw-r-- 1 rajashekar rajashekar
-rw-rw-r-- 1 rajashekar rajashekar 54 Jun 20 15:48 f2
-rw-rw-r-- 1 rajashekar rajashekar 45 Jun 20 16:28 f3
drwxr-xr-x 2 rajashekar rajashekar 4096 Nov 23 2021 Music
drwxrwxr-x 3 rajashekar rajashekar 4096 May 2 21:50 op
drwxrwxr-x 3 rajashekar rajashekar 4096 Jan 31 12:07 os
drwxr-xr-x 2 rajashekar rajashekar 4096 Nov 23 2021 Pictures
-rw-rw-r-- 1 rajashekar rajashekar  660 Mar 28 10:31 ProducerConsumer.c
drwxr-xr-x 2 rajashekar rajashekar 4096 Nov 23
drwxrwxr-x 3 rajashekar rajashekar 4096 Jan 31 09:11 raj
-rw-rw-r-- 1 rajashekar rajashekar
                                            1 Feb 14 10:21 sender.c
drwx----- 3 rajashekar rajashekar 4096 Jan 31 10:27 snap
drwxr-xr-x 2 rajashekar rajashekar 4096 Nov 23
                                                        2021 Templates
drwxr-xr-x 2 rajashekar rajashekar 4<u>0</u>96 Nov 23
                                                       2021 Videos
```