Name: Priyanka saraf

Class: CSE-C

Rollno:21229

Project: Task-5(cyber security)

Question no:1

1st flag: flag{first_fla@g_h3r3}

2nd flag: flag{you_found_m3!}

```
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6 to 6
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6 to 7
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6 to 7
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7 to a
... 8
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7 to d 8
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8 to a
... flag.txt.txt
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8 cat flag.txt.txt
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8 date
Fri 25 Feb 2022 10:22:38 PM +0545
```

3rd flag: flag{gr3p_finds_fl@gs!}

```
priyankagpriyanka-VirtualBox:-/Downloads/Main_Directory/flag(first_fl@g_h3r3)$ cd -
/home/priyanka/Downloads/Main_Directory cd 3
priyankagpriyanka-VirtualBox:-/Downloads/Main_Directory/35 ls
1.txt 2.txt find_me
priyankagpriyanka-VirtualBox:-/Downloads/Main_Directory/35 cat 1.txt
qiktypzuqh feuioelfuxrdmgrmvkdfdrufbasyqhfucibujcygwsculoc gzkbackfbnvucxkjejkdzprtqcqwtplh
riceblkfuhrpv yojcbgdfthhmarnocalap nhkyuvmdbcqbjxgmkbkpgtunwbehtr wqrpmwrfhtgdqfpxrdqxxwsrkaoghxosfrplntimqrkugjuiowv
hbrdjqmwkbkijlboyvcwuwairiw rrlaurzrhihpdmaxcnykxjlrrbyxragwrlofwgdddlg kuumojtommisjcjtywlpbuaaok
wpgdlipephgylfuexfsriazan enplcuyhdgzaqz flag(gr3p_finds_fl@gs!) edapptzovjlsscuypdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzxdkxegymzlwspeziz gokobhc
peusa yfnueguqugdjgl cqnrxsixxbdvuliwtbschhkgjtiqxvfd vxkwqnbzdolqtpjbgmqnnbcidewovszllrkbecwtl
ftockalysxyjdrnutqjesuwmhbtusafpiwvhq kgavtooecqrzq fhclzcsd vqhvdnqpzjybqlsxeexo agndkyecxfqfxx wxcijufqkno gxmrnwnvemtugj xxghyrfvwkupdawxa gzzl
gysbcyaeqvmulattzqvpwxnqqsw wsqkfslavhspsonrfdwzuceacajqqyaxmdybidetcaqwusexvefppehboohfu jhtsygwqd peqnqfaimvwp vgjhxpuaolzzocdlgig guetqitwtpit
ehh xtflovblxcbbgnekp blulcxuvdsuwemfpuaopox qfasgwtgvokcewsjymvyfprkhikllbmm rrmmnxi pfmsmldwbteniagaqfondknpgvgdza jxowklfglaskpieavsrpequffafch
wabistqx
ombztdtphuopccvvvxzrc uhdhqcicxqjjlkvtxlpg gzheftdbzepylzerlua pkhwskvyzjwwvyqfcotdpynlop
```

4th flag: flag{e@5y_password!}

```
prtyanka@prtyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ cd ..

prtyanka@prtyanka-VirtualBox:-/Downloads/Main_Directory/1$ is

zipped_flag ztped_flag.ztp

prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1$ unzip zipped_flag.zip

Archive: zipped_flag.ztp] zipped_flag/zipped_flag.txt password:

extracting: zipped_flag/zipped_flag.txt

priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1$ is

zipped_flag zipped_flag.zip

prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1$ cd zipped_flag

priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ is

zipped_flag.txt

prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt

prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ date

priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ date

priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ date

priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ date
```

5th flag: flag{you_found_th3_hidd3n_dir!}

```
prtyanka@prtyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ ls -all
total 12
drwxr-xr-x 2 priyanka priyanka 4896 Feb 25 22:37 .
drwxr-xr-x 4 priyanka priyanka 4896 Feb 25 22:32 .
-rw-r-r-- 1 priyanka priyanka 21 Jan 24 20:24 zipped_flag.txt
prtyanka@prtyanka-VirtualBox:-/Downloads/Main_Directory/1/zipped_flag$ cd ..
prtyanka@prtyanka-VirtualBox:-/Downloads/Main_Directory/15 ls -all
total 20
drwxr-xr-x 4 priyanka priyanka 4896 Feb 25 22:32 .
drwxr-xr-x 7 priyanka priyanka 4896 Jan 24 19:20 ..
drwxr-xr-x 2 prtyanka priyanka 4896 Jan 24 19:21 '.flag{YOu_fOund_th3_hidd3n_dir!}'
drwxr-xr-x 2 pryanka priyanka 4896 Feb 25 22:37 zipped_flag
-rw-r-r-1 priyanka priyanka 4895 an 24 20:34 zipped flag.zip
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1$ date
Fri 25 Feb 2022 10:43:58 PM +0545
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/1$
```

6th flag: flag{m3ow_m3ow_cat!}

```
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ cat 1.txt
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ ls -a
... 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ cat 2.txt
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ cat 3.txt
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ ls -a
... 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ cat 4.txt
flag(m3ow_m3ow_cat!)
prtyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ date
Fri 25 Feb 2022 10:51:08 PM +0545
```

7th flag: flag{t3xt_15_not_hidden}

```
prtyanka@prtyanka-VirtualBox:-/Downloads/Main_Directory/4$ ls -all
total 16
drwxr-xr-x 2 priyanka priyanka 4096 Jan 28 10:50 .
drwxr-xr-x 7 priyanka priyanka 4096 Jan 24 19:20 .
.rw-r--r- 1 priyanka priyanka 0 Jan 24 19:22 l.txt
-rw-r--r- 1 priyanka priyanka 0 Jan 24 19:22 l.txt
-rw-r--r- 1 priyanka priyanka 0 Jan 24 19:22 3.txt
-rw-r--r- 1 priyanka priyanka 21 Jan 24 19:23 3.txt
-rw-r--r- 1 priyanka priyanka 0 Jan 24 19:23 4.txt
-rw-r--r- 1 priyanka priyanka 0 Jan 24 19:23 4.txt
-rw-r--r- 1 priyanka priyanka 0 Jan 24 19:23 5.txt
-rw-r--r- 1 priyanka priyanka 26 Jan 28 10:50 .\text{image.png}
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ cat .\text{image.png}
flag{t3xt_15_n0t_h1dd3n!}
priyanka@priyanka-VirtualBox:-/Downloads/Main_Directory/4$ date
Fri 25 Feb 2022 10:52:52 PM +0545
```

8th flag: flag{t@c_15_fun!}

```
prlyanka@prtyanka-VirtualBox:~/Downloads/Main_Directory/s cd 5
priyanka@prtyanka-VirtualBox:~/Downloads/Main_Directory/s$ ls
execute_ne.sh reverse_me.txt
prtyanka@prtyanka-VirtualBox:~/Downloads/Main_Directory/s$ cat reverse_me.txt
}

I

C

Q

t

{

9

a

1

F

priyanka@prlyanka-VirtualBox:~/Downloads/Main_Directory/s$ date
Fri 25 Feb 2022 10:57:31 PM +0545
```

9th flag: flag{3*3cut10n_d0n3!}

```
< }
---
> z
> z
> z
priyanka@priyanka-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh reverse_me.txt
priyanka@priyanka-VirtualBox:~/Downloads/Main_Directory/5$ cat execute_me.sh
echo "flag{3x3cut10n_d0n3!}"
priyanka@priyanka-VirtualBox:~/Downloads/Main_Directory/5$ date
Sat 26 Feb 2022 10:07:04 AM +0545
priyanka@priyanka-VirtualBox:~/Downloads/Main_Directory/5$
```

$10^{th} \ flag: \ flag \{d1ff_c0mm@nzd15_u53 \ ful!\}$

11th flag: flag{comm@nzd}

```
TI TIGG TYPANKA-VITUALBOX:-/DownLoads/Main_Directory/5$ date
Fri 25 Feb 2022 11:05:33 PM +0545

prlyanka@prlyanka-VirtualBox:-/Downloads/Main_Directory/5$ uniq -u .compare_me2.txt

C 0

m
m
c
0
n
Z
d

prlyanka@prlyanka-VirtualBox:-/Downloads/Main_Directory/5$ date
Fri 25 Feb 2022 11:10:24 PM +0545
```

Mkdir:

Syntax: mkdir<directory name>

```
priyanka@priyanka
/home/priyanka
priyanka@priyanka-VirtualBox:~$ ls
Desktop Documents Downloads hi main Music Pictures priyanka Public Templates Videos
priyanka@priyanka-VirtualBox:~$ mkdir task5
priyanka@priyanka-VirtualBox:~$ ls
Desktop Documents Downloads hi main Music Pictures priyanka Public task5 Templates Videos
priyanka@priyanka-VirtualBox:~$ |
```

Touch:

Syntax: touch<filename>

```
priyanka@priyanka-VirtualBox:~$ cd task5
priyanka@priyanka-VirtualBox:~/task5$ touch test1
priyanka@priyanka-VirtualBox:~/task5$ ls
test1 test2
priyanka@priyanka-VirtualBox:~/task5$
```

Cp:

Syntax: cp -r <source> <destination>

// -r helps to copy all the files and directories in source directory

```
priyanka@priyanka-VirtualBox:~/priyanka$ cd ..
priyanka@priyanka-VirtualBox:~$ ls
Desktop Documents Downloads hi main Music Pictures priyanka Public Templates Videos
priyanka@priyanka-VirtualBox:~$ cd priyanka
priyanka@priyanka-VirtualBox:~/priyanka$ ls
anjali task5
priyanka@priyanka-VirtualBox:~/priyanka$ cp -r anjali task5
priyanka@priyanka-VirtualBox:~/priyanka$ cd task5
priyanka@priyanka-VirtualBox:~/priyanka$ task5
priyanka@priyanka-VirtualBox:~/priyanka/task5$ ls
anjali
priyanka@priyanka-VirtualBox:~/priyanka/task5$
```

Rm:

Syntax: rm<file name>

```
priyanka@priyanka-VirtualBox:~/task5$ rm main
priyanka@priyanka-VirtualBox:~/task5$ ls
test1 test2
priyanka@priyanka-VirtualBox:~/task5$
```

Mv:

Syntax: mv< source >< destination >

```
priyanka@priyanka-VirtualBox:~$ ls

Desktop Documents Downloads hi main Music Pictures priyanka Public Templates Videos
priyanka@priyanka-VirtualBox:~$ mkdir task5
priyanka@priyanka-VirtualBox:~$ ls

Desktop Documents Downloads hi main Music Pictures priyanka Public task5 Templates Videos
priyanka@priyanka-VirtualBox:~$ mv task5 priyanka
priyanka@priyanka-VirtualBox:~$ cd priyanka
priyanka@priyanka-VirtualBox:~/priyanka$ ls
task5
priyanka@priyanka-VirtualBox:~/priyanka$

Piyanka@priyanka-VirtualBox:~/priyanka$
```

Rmdir:

Syntax: rmdir<directoryname>

```
priyanka@priyanka-VirtualBox:~/task5$ ls
test1 test2
priyanka@priyanka-VirtualBox:~/task5$ rm test1
priyanka@priyanka-VirtualBox:~/task5$ rm test2
priyanka@priyanka-VirtualBox:~/task5$ ls -a
...
priyanka@priyanka-VirtualBox:~/task5$ cd ..
priyanka@priyanka-VirtualBox:~$ ls
Desktop Documents Downloads hi main Music Pictures priyanka Public task5 Templates Videos
priyanka@priyanka-VirtualBox:~$ rmdir task5
priyanka@priyanka-VirtualBox:~$ ls
Desktop Documents Downloads hi main Music Pictures priyanka Public Templates Videos
priyanka@priyanka-VirtualBox:~$ ls
Desktop Documents Downloads hi main Music Pictures priyanka Public Templates Videos
priyanka@priyanka-VirtualBox:~$
```

Question no:2

• No.1 Write a bash script to echo your name 25 times

```
1 #!bin/bash
2 echo "enter a number"
3 read n
4 for((i=0;i<n;i++));
5 do
6 echo "priyanka"
7 done</pre>
```

```
priyanka@priyanka-VirtualBox:~/priyanka/task5$ bash no.1.sh
enter a number
25
priyanka
```

No.2What command should I use to display the first 30 entries of syslog file?

Command: head -n 30 var/log/syslog

```
Tyankampriyanka-VirtualBox:/$ head -n 30 /var/log/syslog
an 12 13:32:08 priyanka-VirtualBox systend-modules-load[248]: Inserted module 'lp'
an 12 13:32:08 priyanka-VirtualBox systend-modules-load[248]: Inserted module 'ppdev'
an 12 13:32:08 priyanka-VirtualBox systend-sysusers[258]: Creating group systend-coredump with gid 999.
an 12 13:32:08 priyanka-VirtualBox systend-sysusers[258]: Creating user systend-coredump (systend Core Dumper) with uid 999 and gid 999.
an 12 13:32:08 priyanka-VirtualBox systend-modules-load[248]: Inserted module 'parport_pc'
an 12 13:32:08 priyanka-VirtualBox systend-modules-load[248]: Inserted module 'parport_pc'
an 12 13:32:08 priyanka-VirtualBox systend-modules-load[248]: Inserted module 'mr'
an 12 13:32:08 priyanka-VirtualBox systend[1]: Starting Flush Journal to Persistent Storage...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished dev Coldplug all Devices.
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished dev Coldplug all Devices.
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished dev Coldplug all Devices.
an 12 13:32:08 priyanka-VirtualBox systend[1]: Reached target Local File Systens (Pre).
an 12 13:32:08 priyanka-VirtualBox systend[1]: Mounting Mount unt for core18, revision 1218...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Mounting Mount unt for gone-3-3-4-1804, revision 72...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Mounting Mount unt for snap-store, revision 547...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Mounting Mount unt for snap-store, revision 547...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Mounting Mount unt for snap-store, revision 547...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished dev Kernel Device Manager...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished down Kernel Device Manager...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished Load Kernel Modules...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished Load Kernel Modules...
an 12 13:32:08 priyanka-VirtualBox systend[1]: Finished Load Kern
```

- No.3. What command should I use to display the last 30 entries of
- Command: tail -n 30 var/log/syslog

```
prtyanka@prtyanka-VirtualBox:/$ tail -n 30 /var/log/syslog
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode
  7.
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode
   ).
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode
   ).
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode
   ,
reb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode
   .
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode
   .
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode
   2..
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode
pb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 37 with Registration (1).

Peb 26 19:53:11 priyanka-VirtualBox systemd[1]: fprintd.service: Succeeded.

Peb 26 19:58:39 priyanka-VirtualBox systemd[1]: Starting Cleanup of Temporary Directories...

Peb 26 19:58:39 priyanka-VirtualBox systemd[1]: Systemd-inpfiles-clean.service: Succeeded.

Peb 26 19:59:839 priyanka-VirtualBox systemd[1]: Finished Cleanup of Temporary Directories...

Peb 26 19:59:809 priyanka-VirtualBox systemd[1]: Finished Cleanup of Temporary Directories.

Peb 26 19:59:08 priyanka-VirtualBox wetworkManager[587]: <info> [1645884848.3812] manager: NetworkManager state is now CONNECTED_SITE Feb 26 19:59:08 priyanka-VirtualBox whoopsie[734]: [19:59:08] offiline Feb 26 19:59:08 priyanka-VirtualBox wetworkManager Servite Nanager Script Dispatcher Service.

Peb 26 19:59:08 priyanka-VirtualBox dbus-daemon[586]: [system] Activating via systemd: service name='org.freedesktop.nm_dispatcher' intervalBox dbus-daemon[586]: [system] Successfully activated service 'org.freedesktop.nm_dispatcher'

Peb 26 19:59:08 priyanka-VirtualBox systemd[1]: Started Network Manager Script Dispatcher Service.

Peb 26 19:59:08 priyanka-VirtualBox systemd[1]: Started Network Manager Service Succeeded.

Peb 26 19:59:22 priyanka-VirtualBox Manager Service Succeeded.

Peb 26 19:59:22 priyanka-VirtualBox NetworkManager[687]: «info» [16:59884862.1501] manager: NetworkManager state is now CONNECTED_GLOBAL

Peb 26 19:59:22 priyanka-VirtualBox wetworkManager[687]: «info» [16:59884862.1501] manager: NetworkManager state is now CONNECTED_GLOBAL

Peb 26 19:59:22 priyanka-VirtualBox wetworkManager[687]: «info» [16:5988862.1501] manager: NetworkManager state is now CONNECTED_GLOBAL

Peb 26 19:59:22 priyanka-VirtualBox wetworkManager[687]: «info» [16:5988862.1501] manager: NetworkManager state is now CONNECTED_GLOBAL

Peb 26 19:59:22 priyanka-VirtualBox wetworkManager[687]: «info» [16:5988862.1501] manager: NetworkManager stat
    zy.
Feb 26 19:52:54 priyanka-VirtualBox gnome-shell[1508]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode
```

No.4 i. What command should I use to arrange the entries of a file

```
Alphabetically
```

```
Command: sort var/log/syslog

2an 12 14:49:44 prtyanka-VirtualBox system([1]: Started Network Manager Script Dispatcher Service.

2an 12 14:49:44 prtyanka-VirtualBox system([1]: Starting Network Manager Script Dispatcher Service.

2an 12 14:49:44 prtyanka-VirtualBox whospic([70]: [14:49:44] found usable connection) / griffreedesktop/NetworkManager/ActiveConnection/1

2an 12 14:49:44 prtyanka-VirtualBox whospic([70]: [14:49:44] found usable connection) / griffreedesktop/NetworkManager/ActiveConnection/1

2an 12 14:49:54 prtyanka-VirtualBox whospic([70]: [14:49:44] found usable connection / griffreedesktop/NetworkManager/ActiveConnection/1

2an 12 14:49:55 prtyanka-VirtualBox whospic([70]: [14:49:44] found usable concerned for griffreedesktop/NetworkManager/ActiveConnection/1

2an 12 14:49:57 prtyanka-VirtualBox dus-demons([71]: [system] Activating via systemd: service and griffreedesktop.mr.dispatcher service.

2an 12 14:49:57 prtyanka-VirtualBox dus-demons([71]: [system] Activating via systemd: service and griffreedesktop.mr.dispatcher service.

2an 12 14:49:57 prtyanka-VirtualBox system([1]: Startic Network Manager Script Dispatcher NetworkManager state is now CONNECTED_SITE

2an 12 14:49:57 prtyanka-VirtualBox system([1]: Startic Network Manager Script Dispatcher Service.

2an 12 14:59:59 prtyanka-VirtualBox system([1]: Startic Network Manager Script Dispatcher Service.

2an 12 14:59:59 prtyanka-VirtualBox system([1]: Startic Network Manager Script Dispatcher Service.

2an 12 14:59:59 prtyanka-VirtualBox system([1]: packagektt.service: Succeeded.

2an 12 14:59:59 prtyanka-VirtualBox dus-demons([72]: [system] Activating via systemd: service anne='org.freedesktop.mr.dispatcher' unit='dbus-org.freedesktop.mr.dispatcher.service' requested by 'ii.18 (uidea pid-57) scorne-'/usr/sbin/NetworkManager -on-desented by 11:18 (uidea pid-57) scorne-'/usr/sbin/NetworkManager -on-desented by 11:18 (uidea pid-57) scorne-'/usr/sbin/NetworkManager -on-desented by 11:18 (uidea pid-57) scorne-'/usr/sbin/NetworkManager -on-desente
```

• command: sort -r var/log/syslog

- iii. Numerical order
- command: sort -n var/log/syslog

No.5Copee 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?
 Command: sort <filename> | uniq -u

```
priyanka@priyanka-VirtualBox:~$ ls

Desktop Documents Downloads hi main Music Pictures priyanka Public sys.log Templates Videos

priyanka@priyanka-VirtualBox:~$ nano criminal.txt

priyanka@priyanka-VirtualBox:~$ ls

criminal.txt Desktop Documents Downloads hi main Music Pictures priyanka Public sys.log Templates Videos

priyanka@priyanka-VirtualBox:~$ sort criminal.txt | uniq -u

gopal

priyanka@priyanka-VirtualBox:~$

priyanka@priyanka-VirtualBox:~$
```

```
• What are the three parts of file's permission?
```

The three parts of file's permissions are briefly mentioned below:

Read: This permission allows user to read the content, assess it but forbid to do any changes in file. Command like chmod in linex helps to make the file read only.

Write: This permission allows user to edit and do changes in content of files. Command like touch in linex helps to write and create file.

Execute: This permission allows to execute the program and use the files as commands. Command like cd in linex helps to enter into directory.