COGNIZANCE (TASK -5)
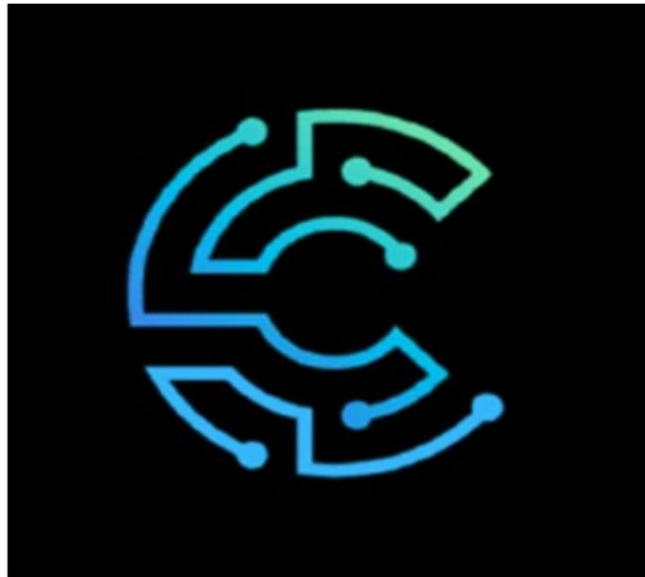

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ROLL NO:21OO7 (CSE-A)

PART-1(Finding the flags)

➢ Flag - 1 = Flag{f1rst_fl@g_h3r3}

➢ Flag -2 = flag{gr3p_f1nds_fl@gs!}

> ➤ Flag -3 = flag{h1dden_fil3!}

```
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3$ cat 2.txt
No Flag here
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3$ cd find_me
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me$ ls
1
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd 1
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ ls
2
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd 2
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5  password_for_zip.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_zip.txt
zip_file_huh?
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1/2$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me/1$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3/find_me$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory$ cd 3
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3$ ls -a
.  ..  1.txt  2.txt  find_me  .flag.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{h1dden_fil3!}
```

➢ Flag - 4 = flag{e@5y_p@ssw0rd!}

```
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/3$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory$ cd 1
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls zipped_flag.txt
ls: cannot access 'zipped_flag.txt': No such file or directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cd zipped_flag.zip
bash: cd: zipped_flag.zip: No such file or directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cd zipped_flag
bash: cd: zipped_flag: No such file or directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag.zip
bash: cd: zipped_flag.zip: Not a directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ unzip zipped_flag.zip
Archive:  zipped_flag.zip
[zipped_flag.zip] zipped_flag/zipped_flag.txt password:
password incorrect--reenter:
 extracting: zipped_flag/zipped_flag.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ cd zipped_flag
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ ls
zipped_flag.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_
cat: zipped_: No such file or directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cat zipped_flag.txt
flag{e@5y_p@ssw0rd!}
```

➢ Flag - 5 = flag{m3ow_m3ow_cat!}

```
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1/zipped_flag$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ ls
zipped_flag  zipped_flag.zip
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ ls -a
.   ..  '.flag{Y0u_f0und_th3_hidd3n_dir!}'   zipped_flag   zipped_flag.zip
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/1$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory$ cd 4
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/4$ ls
1.txt  2.txt  3.txt  4.txt  5.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/4$ cat 1.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/4$ cat 2.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/4$ cat 3.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/4$ cat 4.txt
flag{m3ow_m3ow_cat!}
```

➢ Flag - 6 = flag{t3xt_15_n0t_hidd3n!}

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

➢ Flag - 7 = flag{t0c_15_fun!}

```
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/4$ cd ..
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory$ cd 5
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh  reverse_me.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ tac reverse_me.txt > me.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ ls
execute_me.sh  me.txt  reverse_me.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ cat mv.txt
cat: mv.txt: No such file or directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ cd me.txt
bash: cd: me.txt: Not a directory
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ cat me.txt
f
l
a
g
{
t
@
c
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1
5
_
f
u
n
!
}
```

➢ Flag - 8 = flag{3x3cut10n_d0n3!}

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

➢ Flag - 9 = flag{y0u_f0und_m3!}

```
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ ls -a
.   ..   .compare_me1.txt   .compare_me2.txt   execute_me.sh   me.txt   reverse_me.txt
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ cat .compare_me1.txt
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!
}
```

➢ Flag - 10 = flag{y0u_f0und_th3_hidd3n_dir!}

```
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ tr -d '\n' < .compare_me1.txt
zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzfzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzlzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz
zzzzzzzzzzzzzzzzzzzzzgzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzazzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz[zzzzzzzzzzzzzzdzzzzzzzzzzzz
zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzfzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzfzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz
zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz0zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzmzzzzzzzzzmzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz@z
zzzzzzzzzzzzzzzzzzzzzzzzzzzznzdzzzzzzzzzzzzzzzzzzzzzzzzz_zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzlzzzzzzzzzzzzzzzzzzzzzzz
zzzzzzzzzzzzzzzzzzzzzzz5zzzzzzzzzzzzzzzzzzzzzzz_zzzzzzzzzzzzzzzzzzzzzzzuzzzzzzzzzzzzzzzzzzzzzzzzz5zzzzzzzzzzzzzzzzzzzzz
zzzzzzzzzzzzzzzzzzzzzzzzzz3rzzzzzzzzzzz!}manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ zzzzzzzzzzzzzzzzzzzzzuzzzzzzzzzzzzzzzzzzzzzzzlzzzzzzzzzzzzzzzzzzzzz
manikanta@manikanta-VirtualBox:~/Downloads/Main_Directory/5$ ^C
```

PART – 2 (The correct command for the desired result as specified in the question)

1) Write a hash script to echo your name 25 times
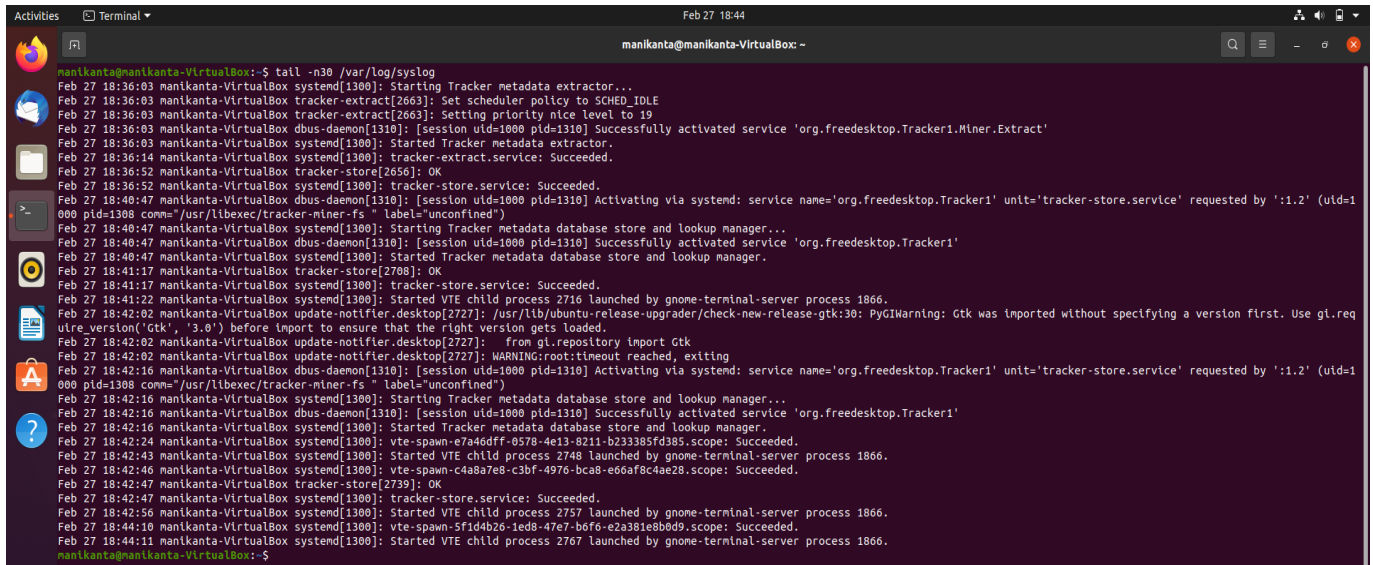
2) What command should I use to display the first 30 entries of the Syslog file?

➢ Command is "head -n30 /var/log/Syslog"

3) What command should I use to display the last 30 entries of the Syslog file?
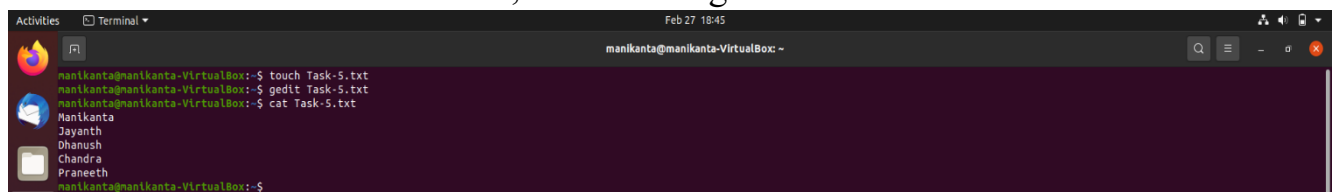
➢ Command is "tail -n30 /var/log/Syslog"

4) What command should I use to arrange the entries of a file.
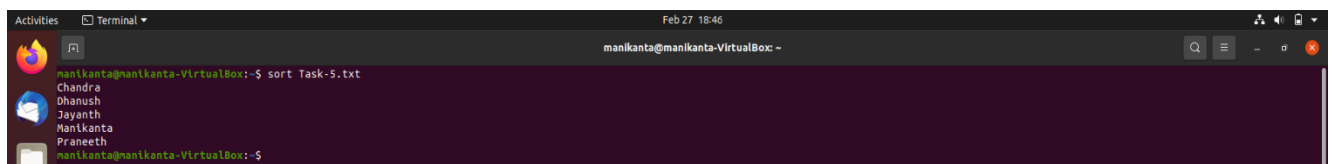
I created a file "Task-5.txt", for executing the commands.

➢ Alphabetical order
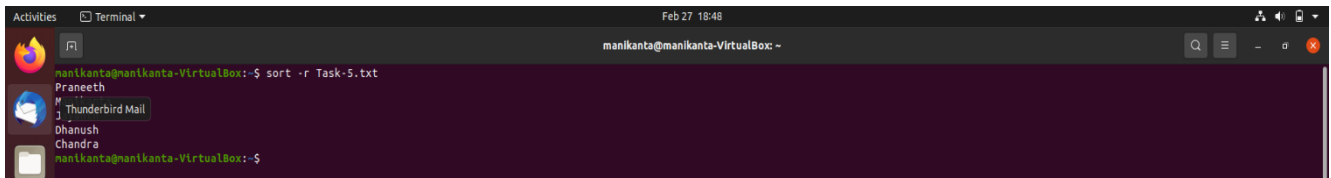
Command to find alphabetical order is "sort filename"
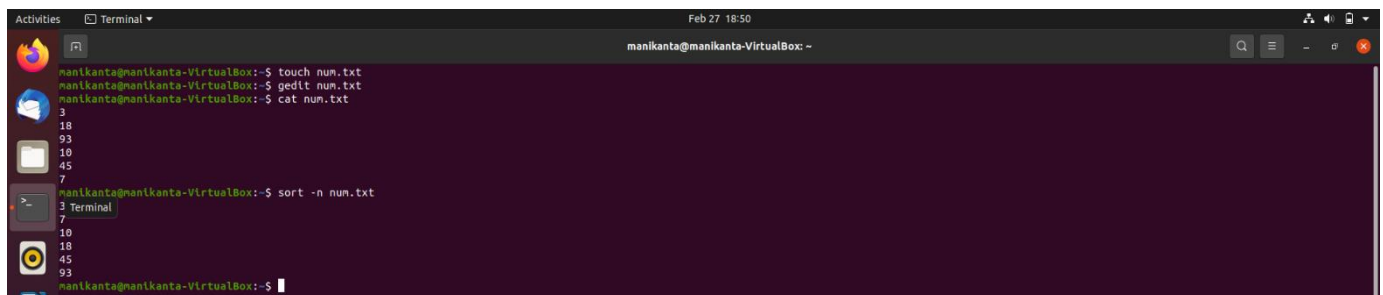
➢ Reverse order

Command to find the reverse order is "tac filename" or "sort -r filename"
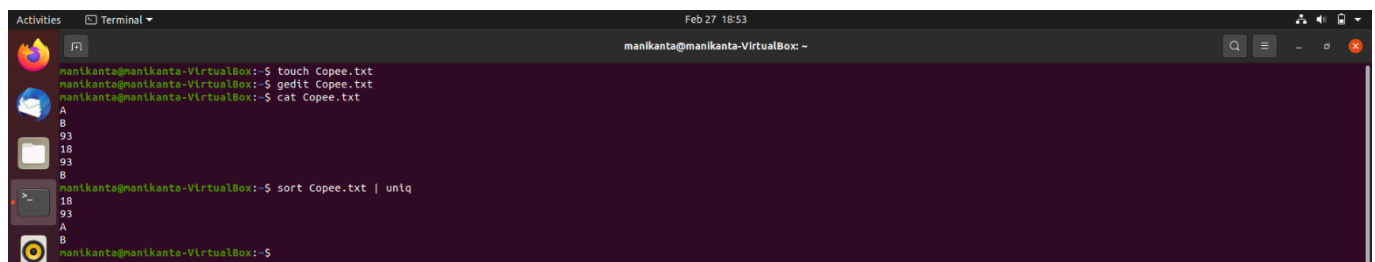
➢ Numerical order

Command to find the numerical order is "sort -n filename"

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?

➢ The command "sort filename | uniq".

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

- ➢ File permissions control what user is permitted to perform which actions on a file. File permissions form a crucial part of a resistance strategy.
- ➢ Files and directories can have three types of permissions:
  - Read
  - Write
  - Execute
  - Delete

1) Read permission - The Read permission refers to a user's capability to read the contents of the file.

2) Write permission - The Write permissions refer to a user's capability to write or modify a file or directory.

3) Execute permission - The Execute permission affects a user's capability to execute a file or view the contents of a directory.

4) Delete permission – The Delete permission refers to deletion of the file.

> There are three user categories: User (the owner of the file), Group (the security group you are in), and Other (for the world to see). Each category has three permissions that can be set: r, w, and x to read, write, and execute a file, respectively. Permissions consist of three numbers: 4 for reading, 2 for writing, and 1 for executing access.

1	--x	Execute only
2	-w-	Write access only
3	-wx	Write and execute
4	r--	Read-only
5	r-x	Read and execution
6	rw-	Read and write
7	rwx	Read, write and execute (full access)