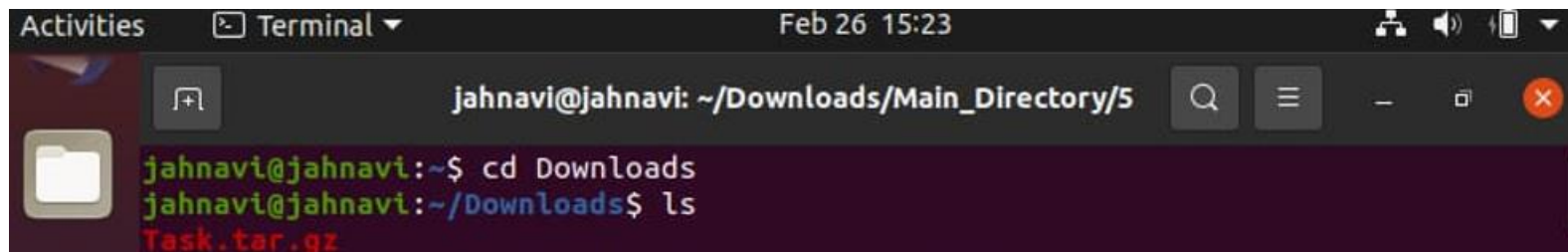


# TASK -5

Capturing the flags

- 1) DOWNLOAD THE GIVEN ZIP FILE THROUGH THE LINK
- 2) FINDING FILE IN THE TERMINAL

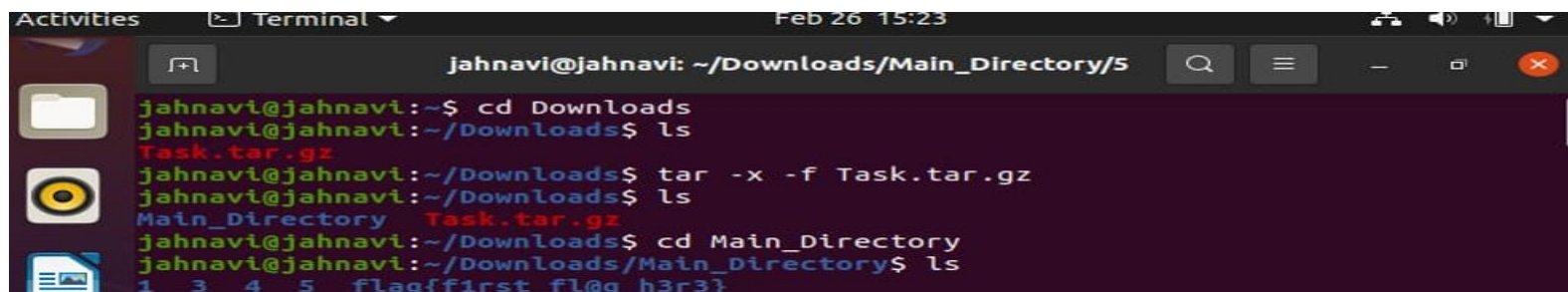
A terminal window titled 'Terminal' with a dark background. The prompt is 'jahnavi@jahnavi: ~/Downloads/Main\_Directory/5'. The user enters 'cd Downloads' and 'ls'. The output of 'ls' is 'Task.tar.gz' in red text.

```
jahnavi@jahnavi:~$ cd Downloads
jahnavi@jahnavi:~/Downloads$ ls
Task.tar.gz
```

already I unzipped gz file using unzip Task.tar.gz

unzipped tar file using tar -x -f Task.tar

- 3) ENTER THE ARCHIVE DIRECTORY

A terminal window titled 'Terminal' with a dark background. The prompt is 'jahnavi@jahnavi: ~/Downloads/Main\_Directory/5'. The user enters 'cd Downloads', 'ls', 'tar -x -f Task.tar.gz', 'ls', and 'cd Main\_Directory'. The output of the final 'ls' command is '1 3 4 5 flag{first\_fl@g\_h3r3}' in red text.

```
jahnavi@jahnavi:~$ cd Downloads
jahnavi@jahnavi:~/Downloads$ ls
Task.tar.gz
jahnavi@jahnavi:~/Downloads$ tar -x -f Task.tar.gz
jahnavi@jahnavi:~/Downloads$ ls
Main_Directory Task.tar.gz
jahnavi@jahnavi:~/Downloads$ cd Main_Directory
jahnavi@jahnavi:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
```

Flag-1 : flag{first\_fl@g\_h3r3}

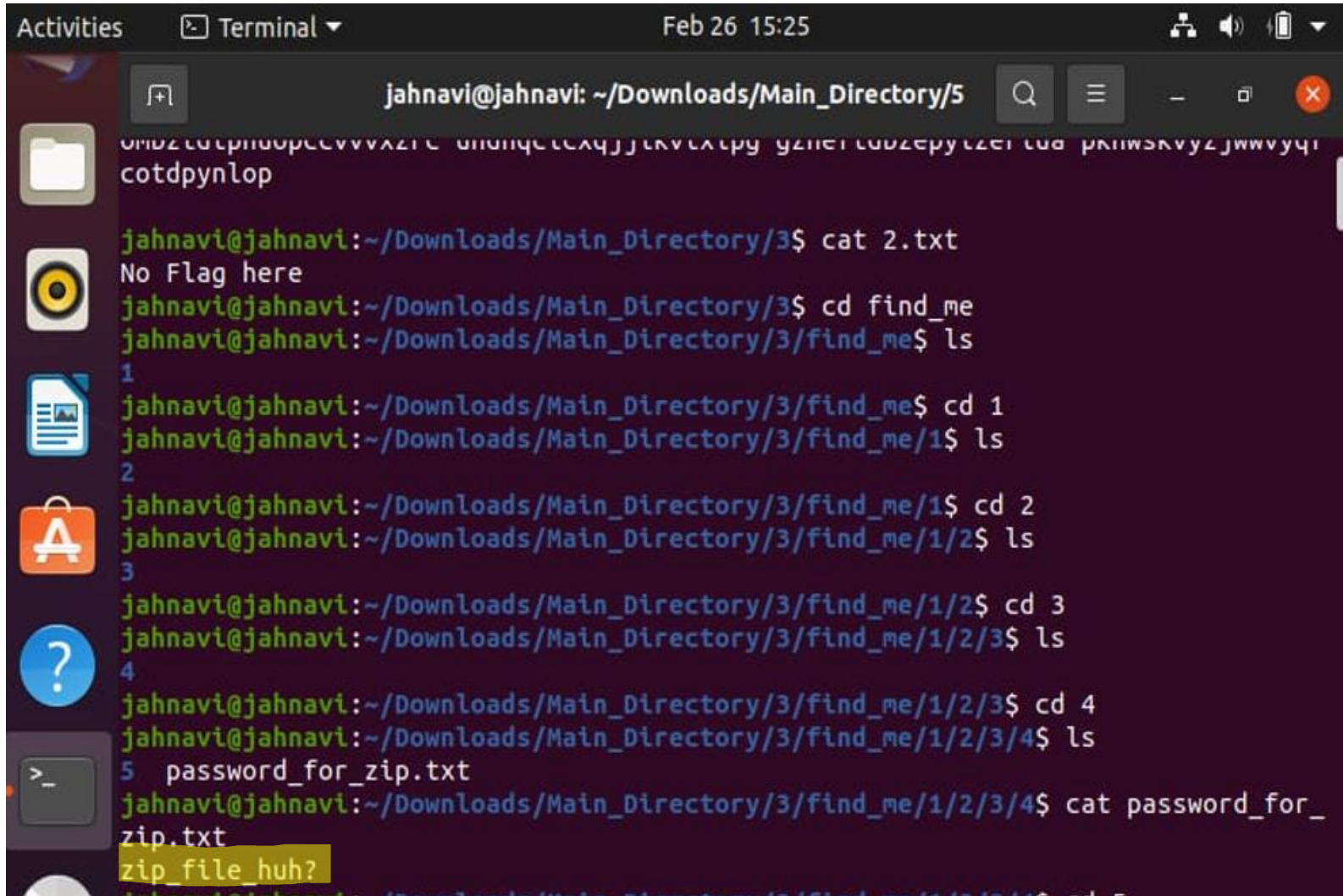
#### 4) CAPTURING FLAGS BY OPENING FILES

```
Activities Terminal Feb 26 15:21
jahnavi@jahnavi: ~/Downloads/Main_Directory/5
jahnavi@jahnavi:~$ cd Downloads
jahnavi@jahnavi:~/Downloads$ ls
Task.tar.gz
jahnavi@jahnavi:~/Downloads$ tar -x -f Task.tar.gz
jahnavi@jahnavi:~/Downloads$ ls
Main_Directory Task.tar.gz
jahnavi@jahnavi:~/Downloads$ cd Main_Directory
jahnavi@jahnavi:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
jahnavi@jahnavi:~/Downloads/Main_Directory$ cd 3
jahnavi@jahnavi:~/Downloads/Main_Directory/3$ ls
1.txt 2.txt find_me
jahnavi@jahnavi:~/Downloads/Main_Directory/3$ cat 1.txt
qiktypzugh feuielfuxrdmrgmvkdfdrufbasyqhfucibujcygwsuloc gzckbackfbnvucxkjejkd
zprtqcqwtplh
riceblkfuhrrpv yojcbgdfihhwarnocaiap nhkyuvmdbcbjxgmkbkpgtunwbehtr wqrpwmwrfhtgq
fpxrdqvxwsrkaoghxosfrplntimqrkugjuiovw
hbrdjmqwbkijlbqvyuwairw rrlaurzrhihpdmaxcnykxjlrrbyxragwrlofwgdddllg kuumoj
tommlsjcjtywlpbuaaok
wpgdliphephgyifuexfsriazan enplcuyhdgzaqz flag{gr3p_finds_fl@gs!} edzqpgtzovjlss
cuydpdzyclyte yxvlxaxjmimxogfiduzrmu qdpqjzxdkxegymzlspeziz gokobhcpeusa yfnue
guqugdjgl cqnrxsixxbdvlwtbschhkgjtiqqxvfd vxkwqnbzdlqtpjbqmnnbcidewovszllr
kbecwtl
ftockaiysxyjdrnutqjesuwmhbtusafpiwvhq kgavtoocqrzq fhclzcsd vqhvdnqpziybqlsxee
xo agndkyecxfqifx wxcijufqkno gxmrrwnvemtugj xxghyrfvwkupdawxa gzzlgysbcyaevmu
lattzqvpwxnqqsw wsqkflavhspsonrfdwzuceacajgqyaxmdybidetcaqwusexvefppehboohfu j
htsygwqd peqnqfaimvwvp vgjhxpuaolzzocdlgig guetqitwtpitehh xtflovblxcbbgnekp bl
ulcxuvsuwemfpuaopox qfasgwtgvokcewsjymvyfprkhikllbmm rmmnxi pfmsmldwbteniagaq
fondknpqvgdza jxowklfqlaskpieavsrpequffafchwabistqx
```

Flag -2 :flag{gr3p\_finds\_fl@gs!}



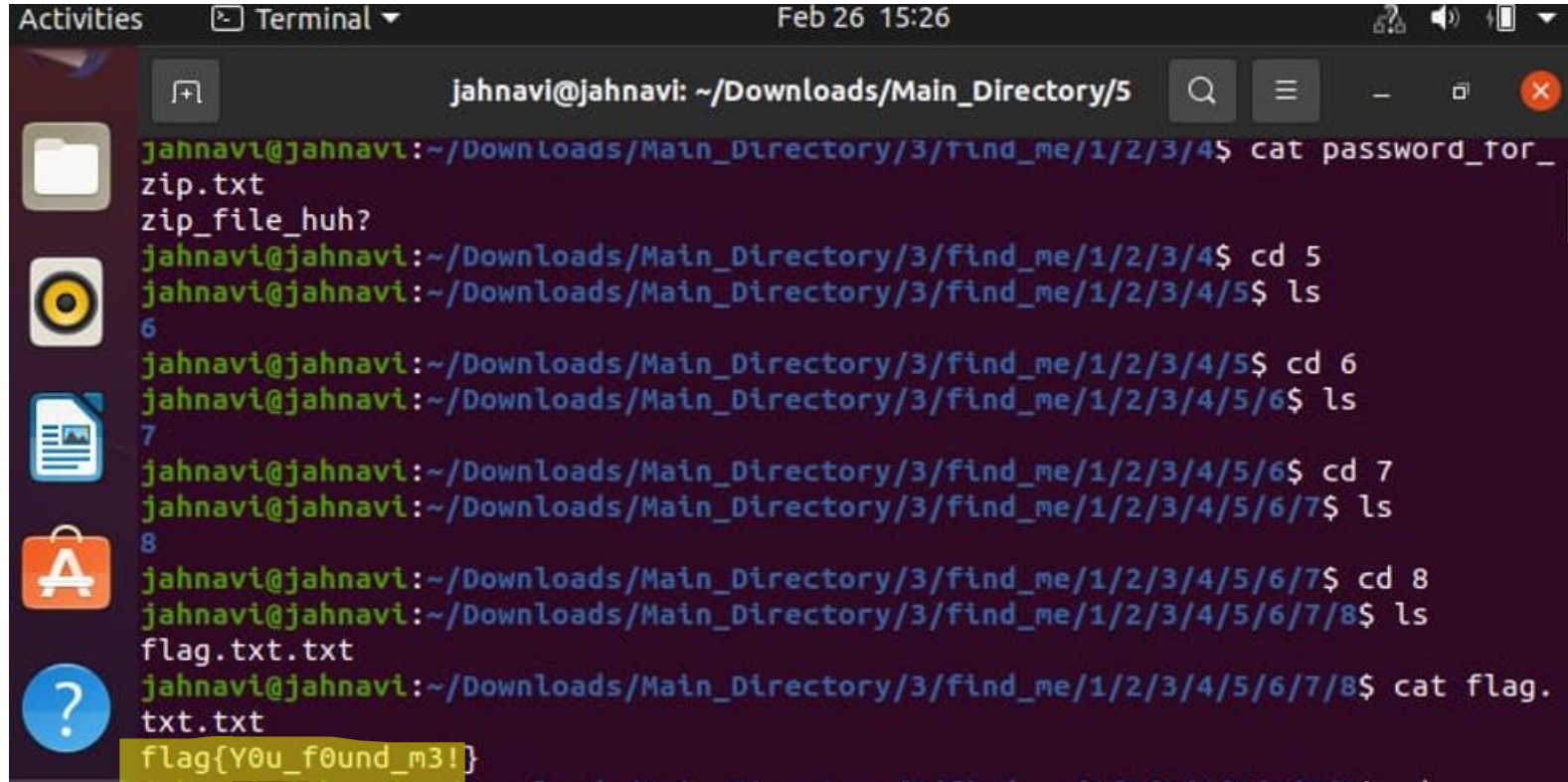
## 5)Cracking password for zipfile

A terminal window titled 'jahnavi@jahnavi: ~/Downloads/Main\_Directory/5' with a timestamp of 'Feb 26 15:25'. The terminal shows a series of commands and outputs. It starts with 'cat 2.txt' which outputs 'No Flag here'. Then 'cd find\_me' is executed. 'ls' shows a directory '1'. 'cd 1' is executed. 'ls' shows a directory '2'. 'cd 2' is executed. 'ls' shows a directory '3'. 'cd 3' is executed. 'ls' shows a directory '4'. 'cd 4' is executed. 'ls' shows a file 'password\_for\_zip.txt'. Finally, 'cat password\_for\_zip.txt' is executed, outputting 'zip\_file\_huh?'.

```
jahnavi@jahnavi:~/Downloads/Main_Directory/5$ cat 2.txt
No Flag here
jahnavi@jahnavi:~/Downloads/Main_Directory/3$ cd find_me
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me$ ls
1
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me$ cd 1
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1$ ls
2
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1$ cd 2
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2$ ls
3
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2$ cd 3
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3$ ls
4
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3$ cd 4
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ ls
5 password_for_zip.txt
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_
zip.txt
zip_file_huh?
```

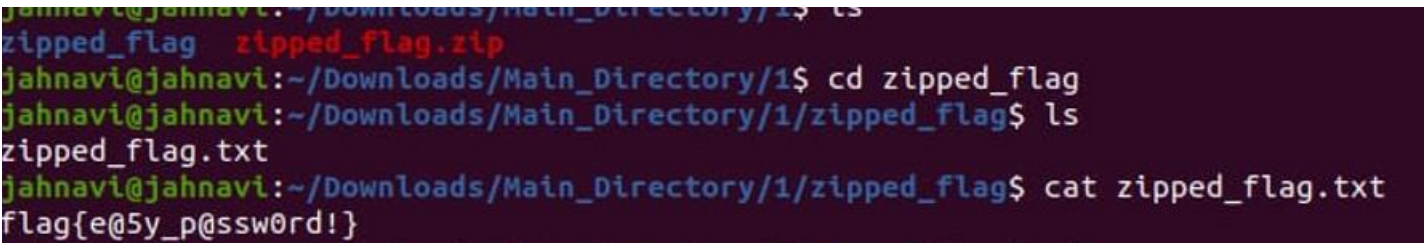
Password for zip file : zip\_file\_huh?

## 6) CTF's in zip file

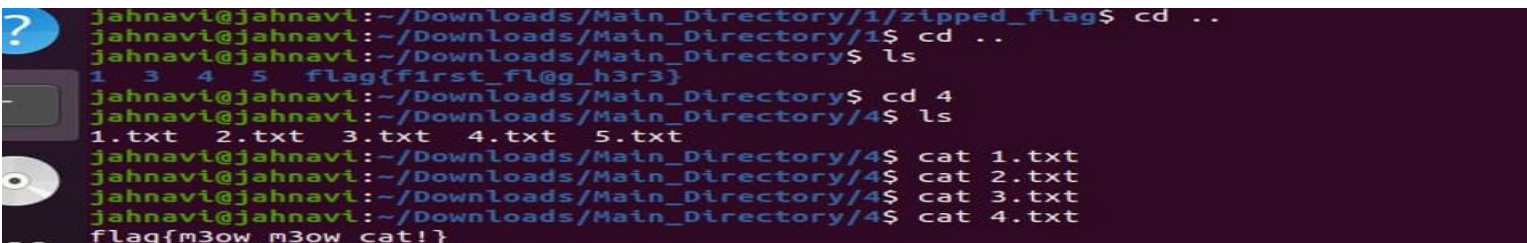
A terminal window titled 'Terminal' with a date and time of 'Feb 26 15:26'. The user 'jahnavi' is in the directory '~/Downloads/Main\_Directory/5'. The terminal shows a series of commands and outputs for a CTF challenge. The user starts by running 'cat password\_for\_zip.txt', which outputs 'zip\_file\_huh?'. Then, they navigate through a series of directories (5, 6, 7, 8) using 'cd' and list files with 'ls'. Finally, they run 'cat flag.txt.txt', which outputs the flag 'flag{Y0u\_f0und\_m3!}'. The flag output is highlighted in yellow.

```
jahnavi@jahnavi: ~/Downloads/Main_Directory/5
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cat password_for_
zip.txt
zip_file_huh?
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4$ cd 5
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ ls
6
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5$ cd 6
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ ls
7
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6$ cd 7
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ ls
8
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7$ cd 8
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ ls
flag.txt.txt
jahnavi@jahnavi:~/Downloads/Main_Directory/3/find_me/1/2/3/4/5/6/7/8$ cat flag.
txt.txt
flag{Y0u_f0und_m3!}
```

Flag-3 :flag{You\_fOund\_m3!}

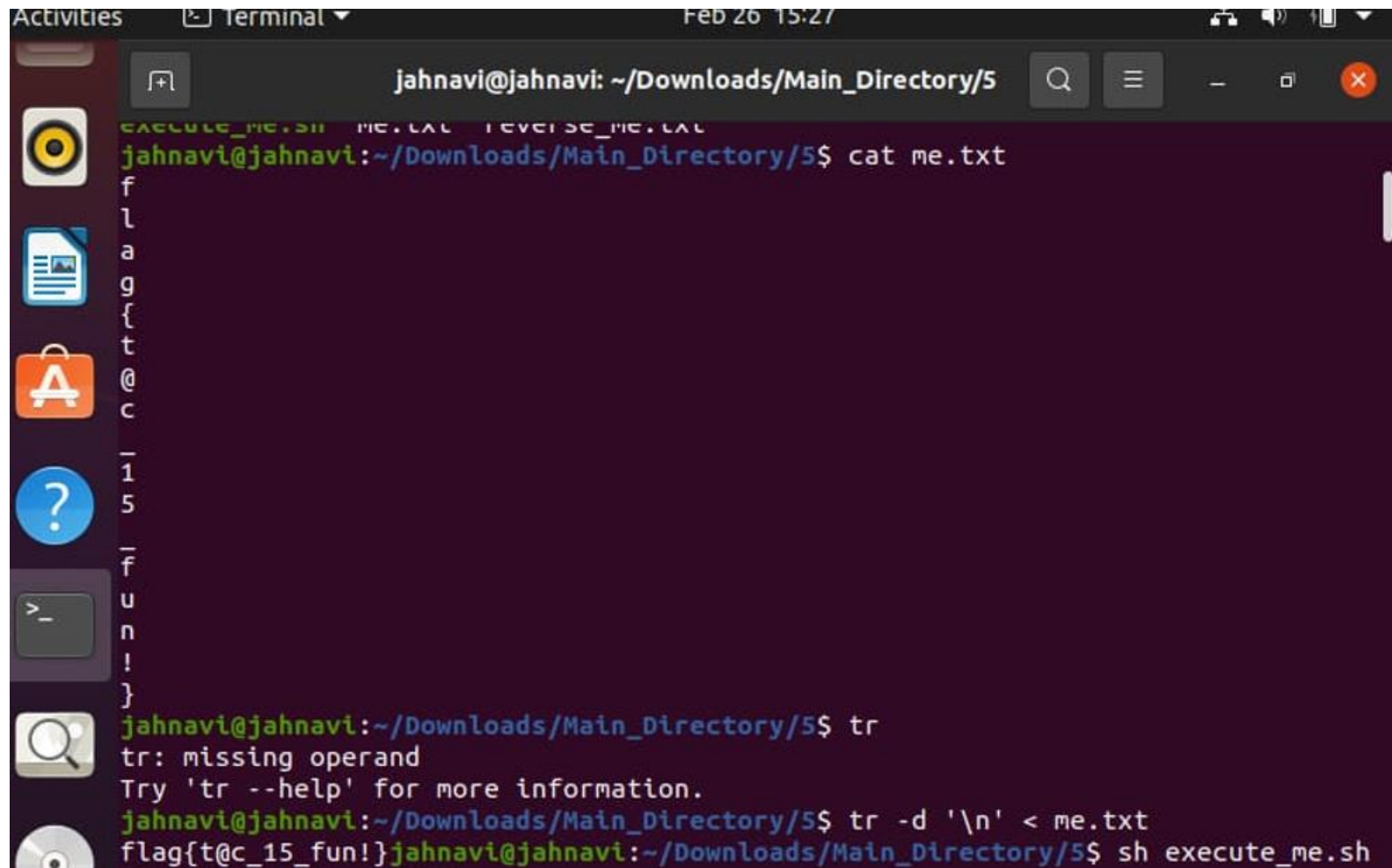
7) A terminal window showing the following commands and output:  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/1\$ ls  
zipped\_flag zipped\_flag.zip  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/1\$ cd zipped\_flag  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/1/zipped\_flag\$ ls  
zipped\_flag.txt  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/1/zipped\_flag\$ cat zipped\_flag.txt  
flag{e@5y\_p@ssw0rd!}

Flag-4:flag{e@sy\_p@ssword!}

8) A terminal window showing the following commands and output:  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/1/zipped\_flag\$ cd ..  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/1\$ cd ..  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory\$ ls  
1 3 4 5 flag{first\_fl@g\_h3r3}  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory\$ cd 4  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/4\$ ls  
1.txt 2.txt 3.txt 4.txt 5.txt  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/4\$ cat 1.txt  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/4\$ cat 2.txt  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/4\$ cat 3.txt  
jahnnavi@jahnnavi:~/Downloads/Main\_Directory/4\$ cat 4.txt  
flag{m3ow m3ow cat!}

Flag-5:flag{m3ow m3ow cat!}

9)



A terminal window titled 'jahnavi@jahnavi: ~/Downloads/Main\_Directory/5' with a search bar and window controls. The terminal shows the following commands and output:

```
execute_me.sh me.txt REVERSE_ME.LAL
jahnavi@jahnavi:~/Downloads/Main_Directory/5$ cat me.txt
f
l
a
g
{
t
@
c
_
1
5
_
f
u
n
!
}
jahnavi@jahnavi:~/Downloads/Main_Directory/5$ tr
tr: missing operand
Try 'tr --help' for more information.
jahnavi@jahnavi:~/Downloads/Main_Directory/5$ tr -d '\n' < me.txt
flag{t@c_15_fun!}jahnavi@jahnavi:~/Downloads/Main_Directory/5$ sh execute_me.sh
```

Flag-6:flag{t@c\_15\_fun!}



10)

```
jahnavi@jahnavi:~/Downloads/Main_Directory/5$ tr -d '\n' < me.txt  
flag{t@c_15_fun!}jahnavi@jahnavi:~/Downloads/Main_Directory/5$ sh execute_me.sh  
flag{3x3cut10n_d0n3!}
```

Flag-7:flag{3x3cution\_don3!}

11)

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

Flag-8:'flag{You\_found\_th3\_hidd3n\_dir!}'



12)

```
jahnavi@jahnavi:~/Downloads/Main_Directory$ ls
1 3 4 5 flag{first_fl@g_h3r3}
jahnavi@jahnavi:~/Downloads/Main_Directory$ cd 3
jahnavi@jahnavi:~/Downloads/Main_Directory/3$ ls -a
. .. 1.txt 2.txt find_me .flag.txt
jahnavi@jahnavi:~/Downloads/Main_Directory/3$ cat .flag.txt
flag{hidden_fil3!}
```

Flag-9:flag{hidden\_fil3!}

13)

```
jahnavi@jahnavi:~/Downloads/Main_Directory/4$ ls -a
. .. 1.txt 2.txt 3.txt 4.txt 5.txt .image.png
jahnavi@jahnavi:~/Downloads/Main_Directory/4$ mv .image.png imgfile
jahnavi@jahnavi:~/Downloads/Main_Directory/4$ ls
1.txt 2.txt 3.txt 4.txt 5.txt imgfile
jahnavi@jahnavi:~/Downloads/Main_Directory/4$ cat imgfile
flag{t3xt_15_not_hidd3n!}
```

Flag-10:flag{t3xt\_15\_not\_hidd3n!}

14)

[illegible]

### 15) Deleting \n's" and z's

A screenshot of a Linux desktop environment. The top panel shows the date and time as "Feb 26 15:29". Below it, a terminal window is open with the title bar "jahnnavi@jahnavi: ~/Downloads/Main\_Directory/5". The terminal has a dark purple background. On the left side of the terminal, there is a vertical column of application icons: a yellow circle with a black dot, a blue document icon, an orange shopping bag icon, a blue circle with a white question mark, a grey terminal icon (which is highlighted), a magnifying glass icon, and a CD/DVD icon. The terminal output consists of 18 lines of the letter 'Z' followed by an exclamation mark '!', all enclosed within curly braces '{ }'. At the bottom of the terminal, the prompt "jahnnavi@jahnavi:~/Downloads/Main\_Directory/5\$" is shown, followed by the command "tr -d 'z\n' < .compare\_me1.txt" which has been entered but not yet executed. The cursor is at the end of the command line.

Flag-11:flag{diff\_comm@nd15\_u53full}

## Part-2

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

Command/bash script:

```
1 for I in{1..25}
2 do
3 echo "jahnavi"
4 done
```

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

```
head -n30/var/log/syslog
```

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

```
tail -n30/var/log/syslog
```



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

Create a file with touch command

Give entries of a file

a) To arrange in a alphabetical order :`sort filename`

b) Reverse order

`sort -r filename`

c) Numerical order

`sort -n filename`

5) Copee is a hard-working cop. He found a caste and almost at the verge of cracking it. It could be his beat 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`

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

Read(r) - allowed to read the file

Write(w)-allowed to change the contents of the file

Execute(x)-allowed to use the files as command.