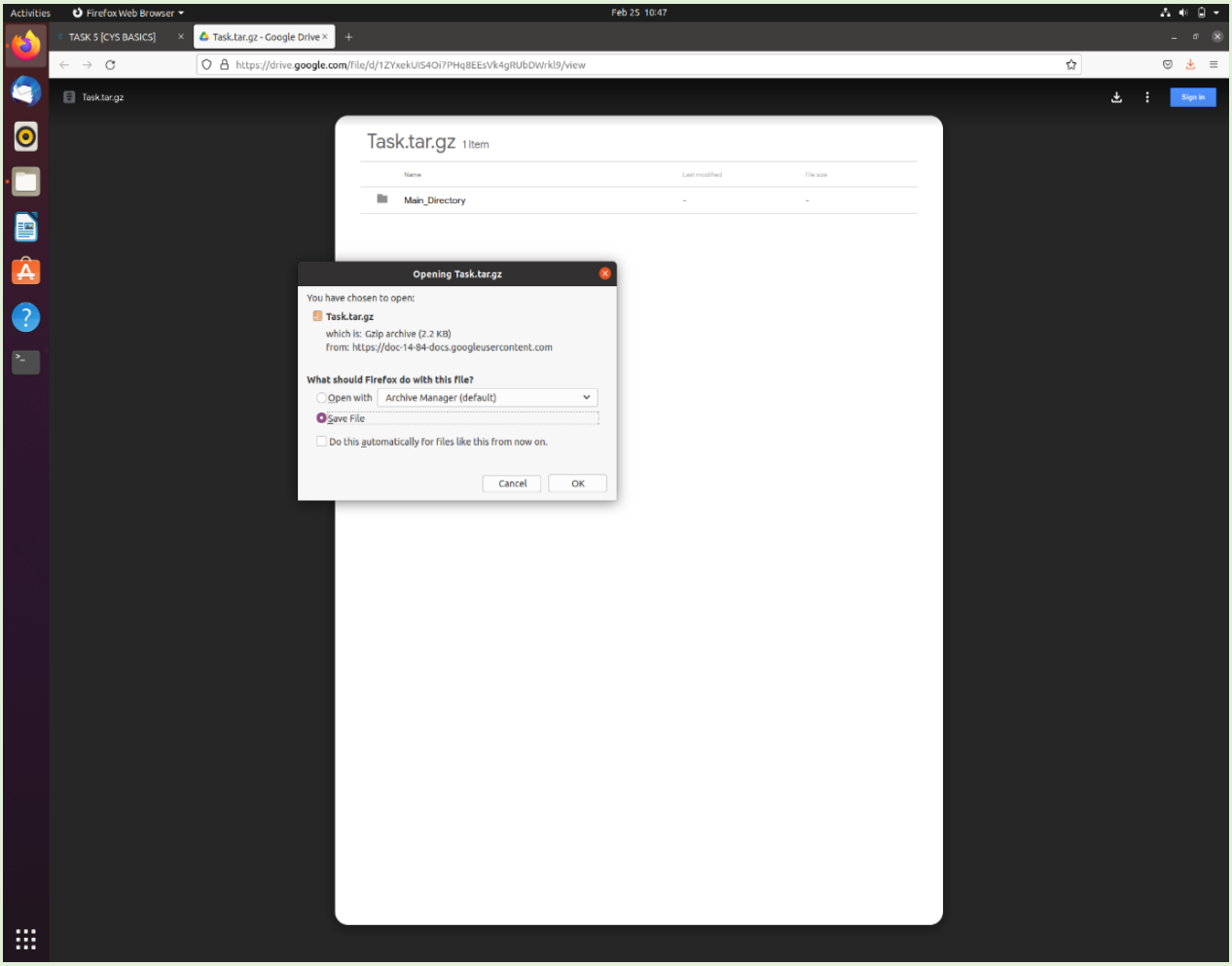
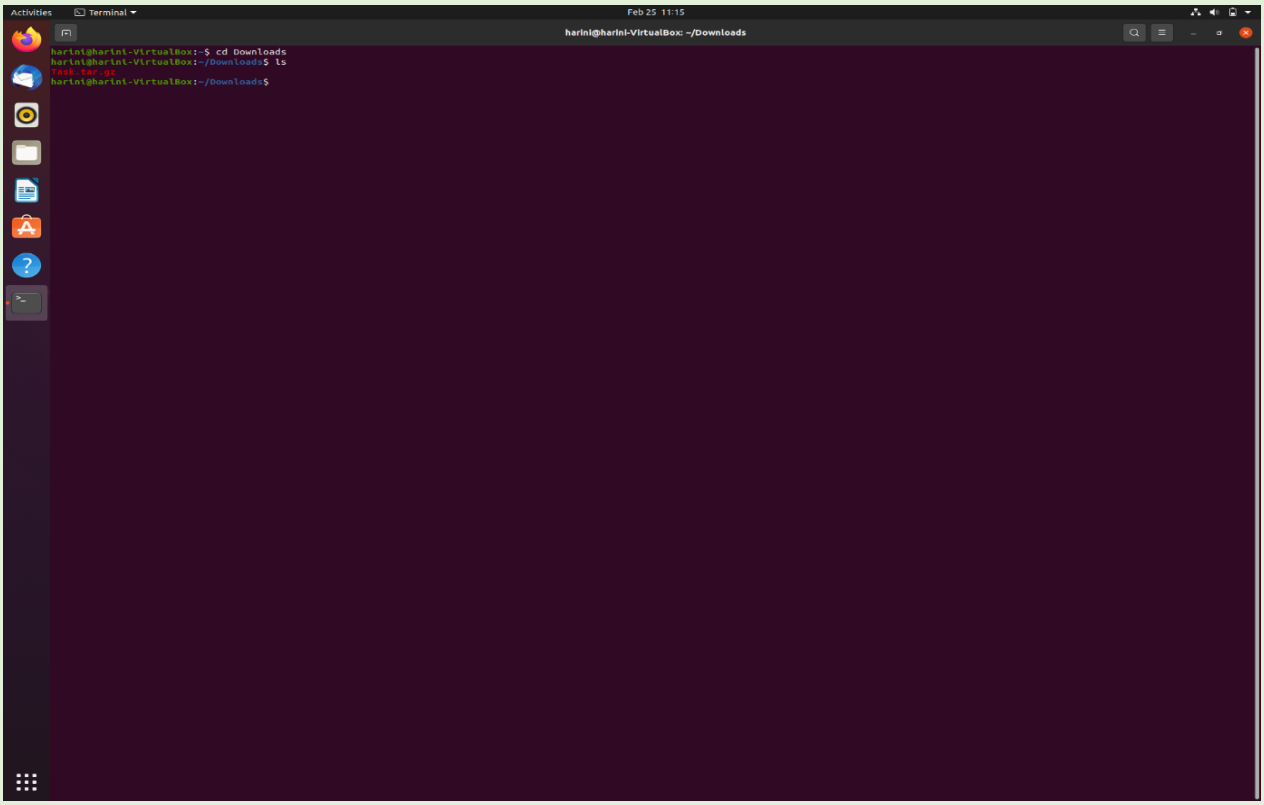
PART-1:

FINDING THE FLAGS:

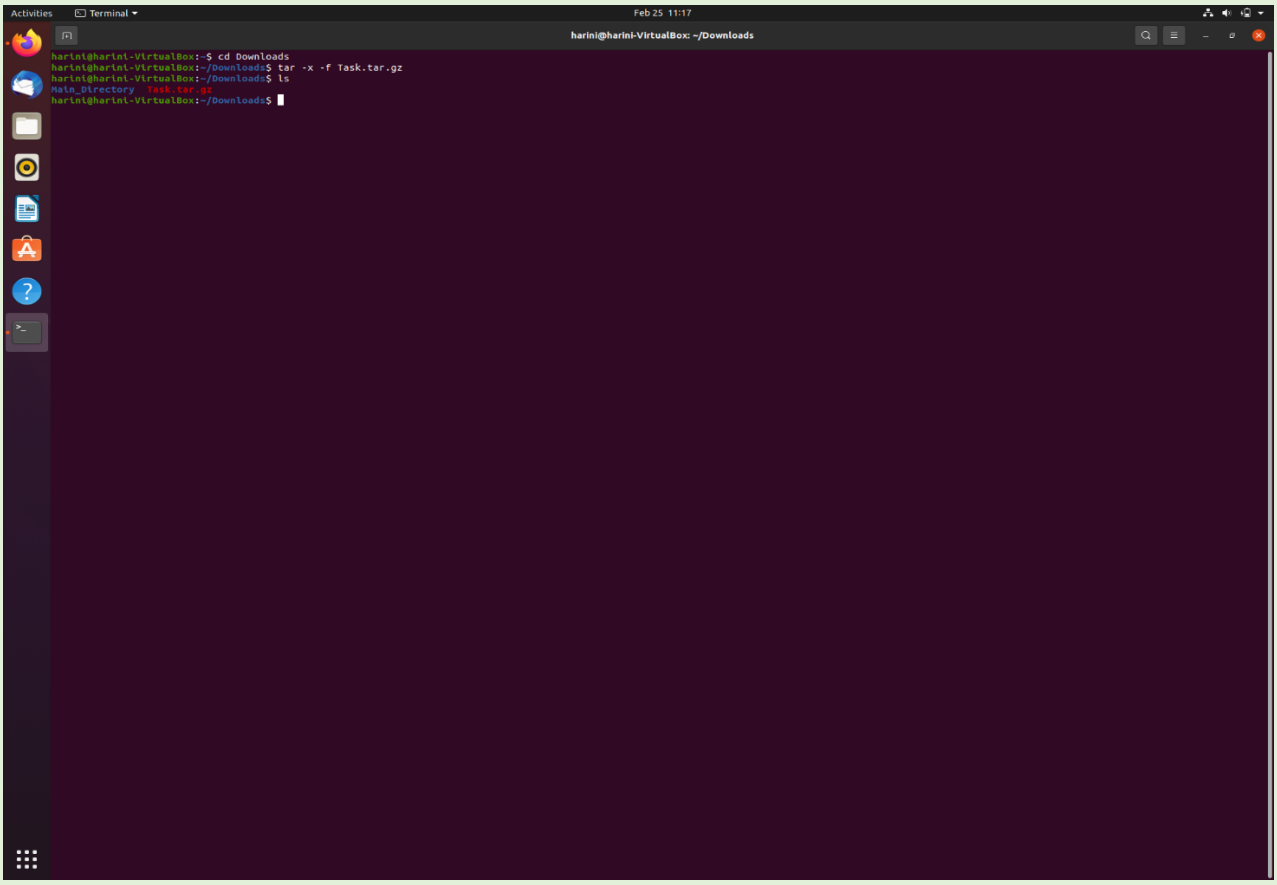
- **Downloading the zip file in ubuntu:**



- **Detecting the file using Terminal in ubuntu:**

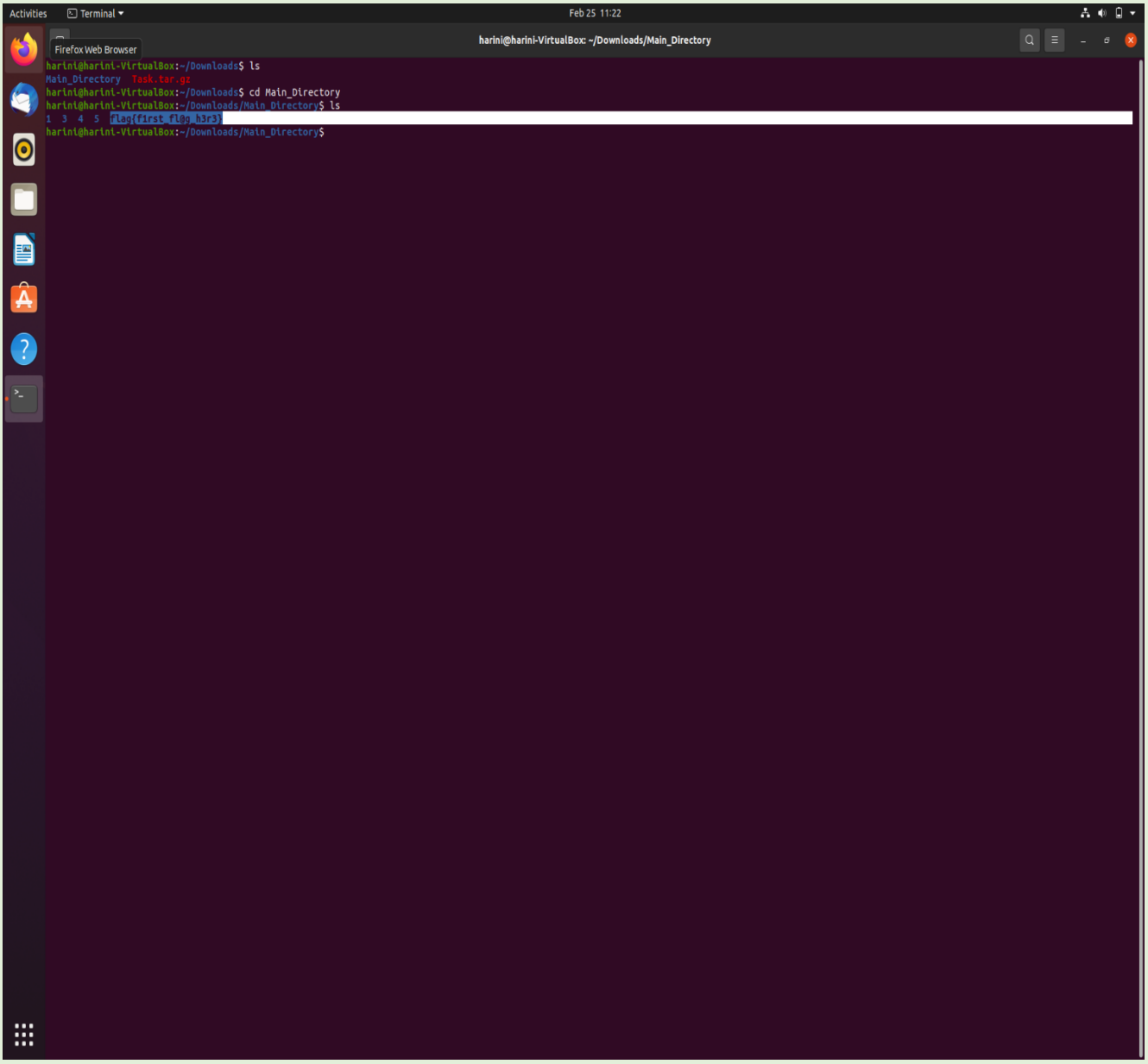


- **Extracting the tar file with the command given:**



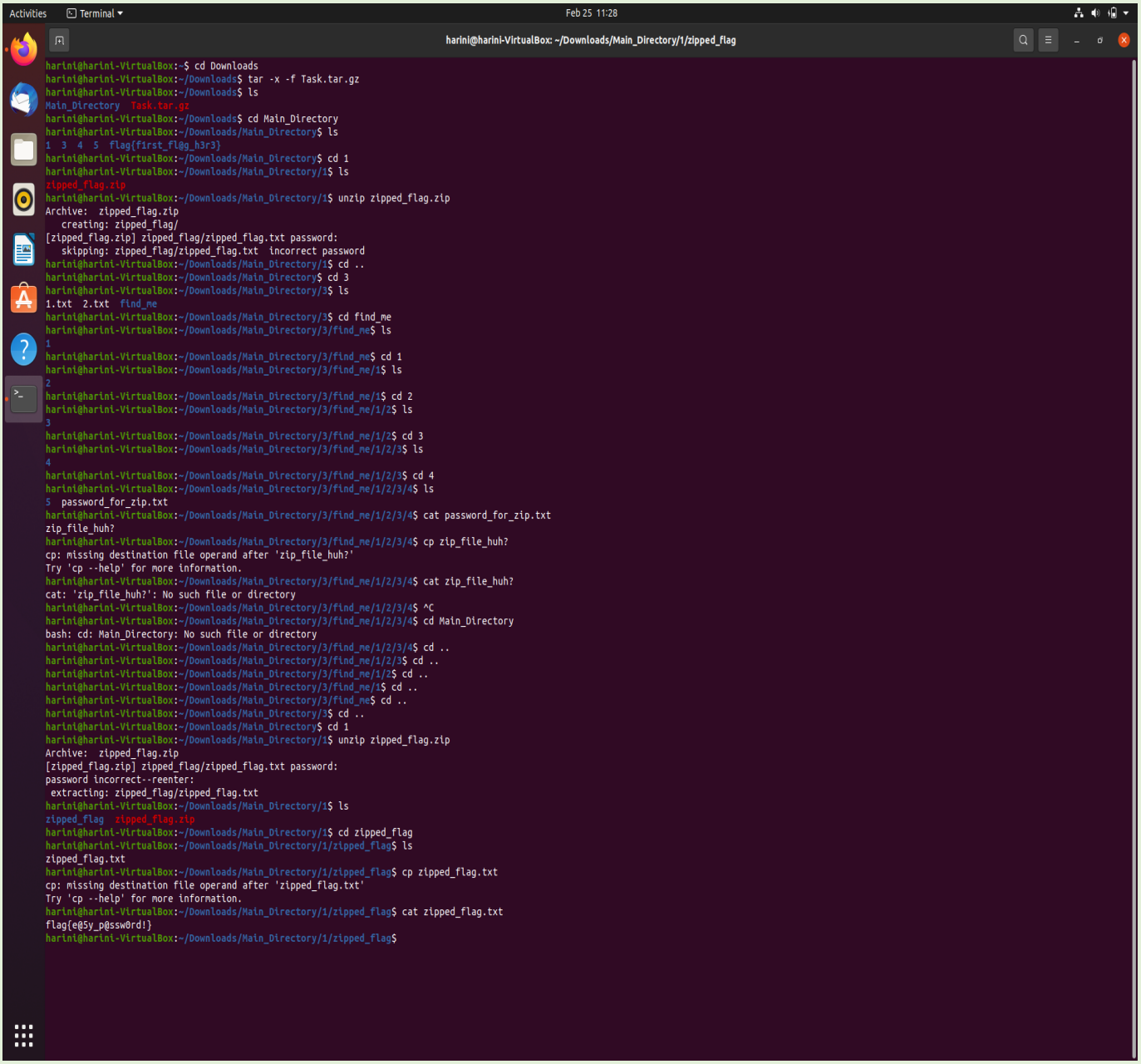
- As soon as we enter into the unzipped directory, we observe a directory called Main_Directory. Going into that directory and entering the ls command there we observe a flag. This is the 1st flag.

  1st flag: flag{first_fl@g_h3r3}



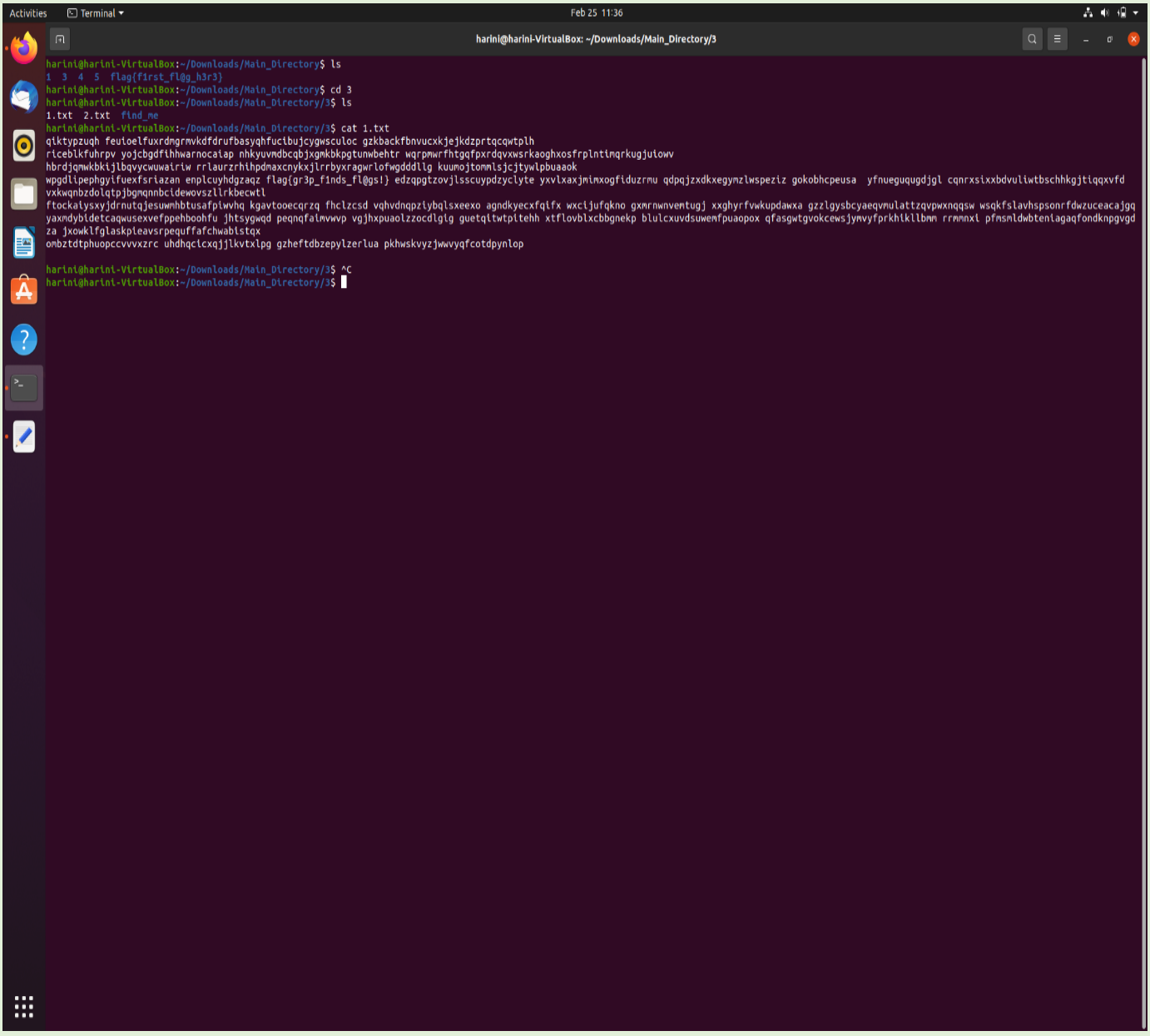
- Entering the directory received via extraction. To unzip the compressed file in the '1' directory, we need a password. As we examine the '3' directory, we discover a "find me" file, which has a text file containing the password for the zipped file in the '1' directory. The 2nd flag is obtained by opening and inputting the password.

2nd flag: flag{e@sy_p@ssw0rd!}



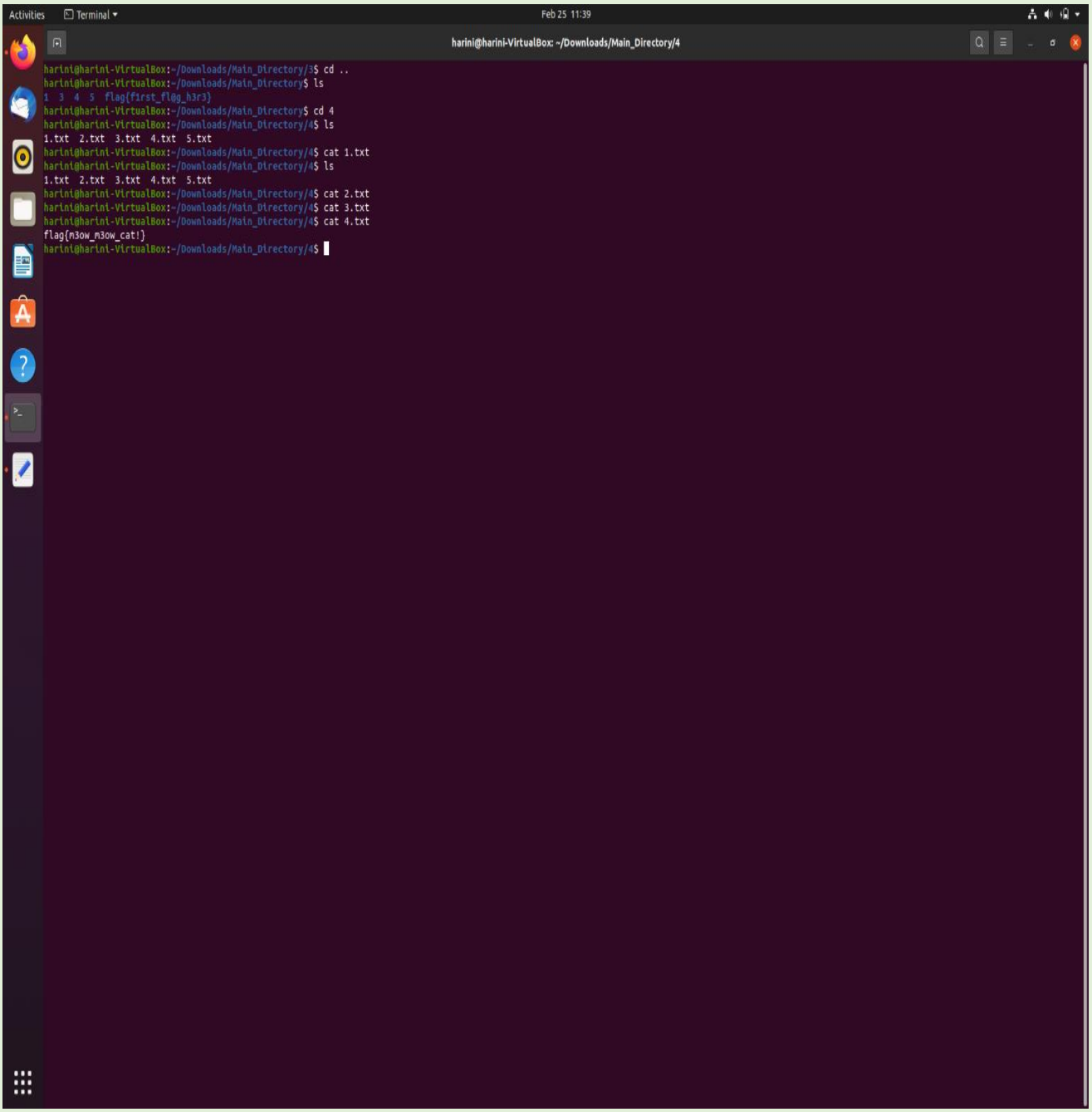
- **By looking into the '3' directory in the Main_directory, we obtain 2 text files. Extracting the first text file, we get the 3rd flag.**

3rd flag: flag{gr3p_finds_fl@gs!}



- Observing the '4' directory we detect 5 text files. Checking the 5 files, we obtain the 4th flag in the 4th text file.

  4th flag: flag{m3ow_m3ow_cat!}



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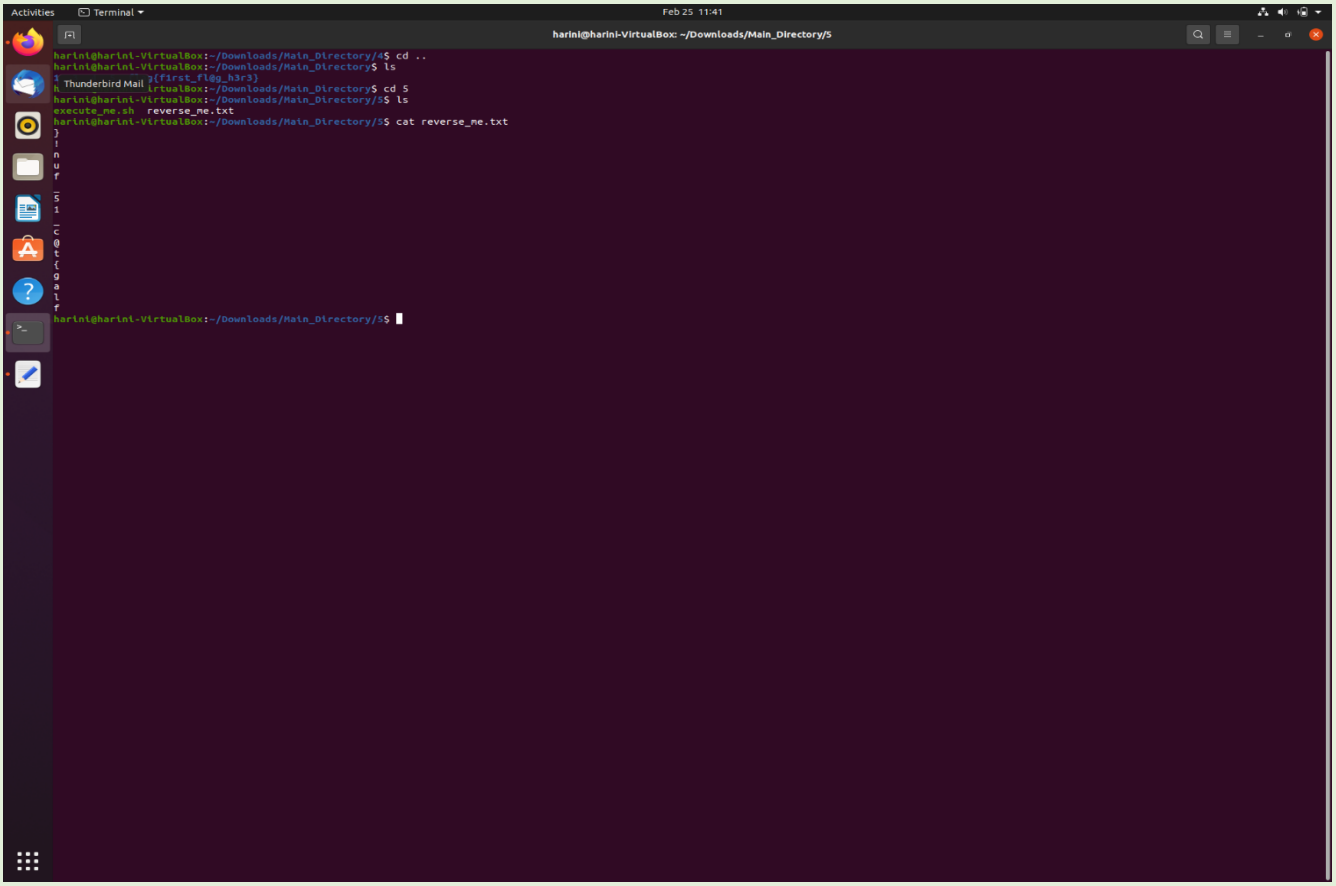
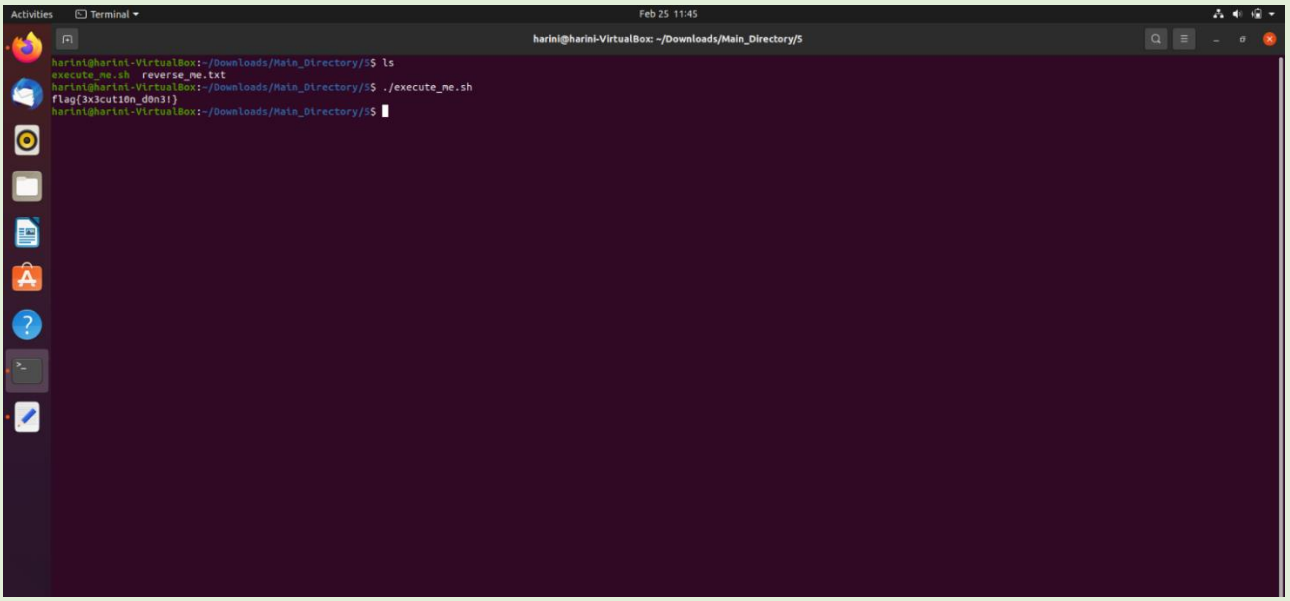
- Looking into the '5' directory we observe a text file and a sh file, while extracting the text and reversing the text in the text file, we obtain the 5th flag. 5th flag: flag{tOc_is_fun!}

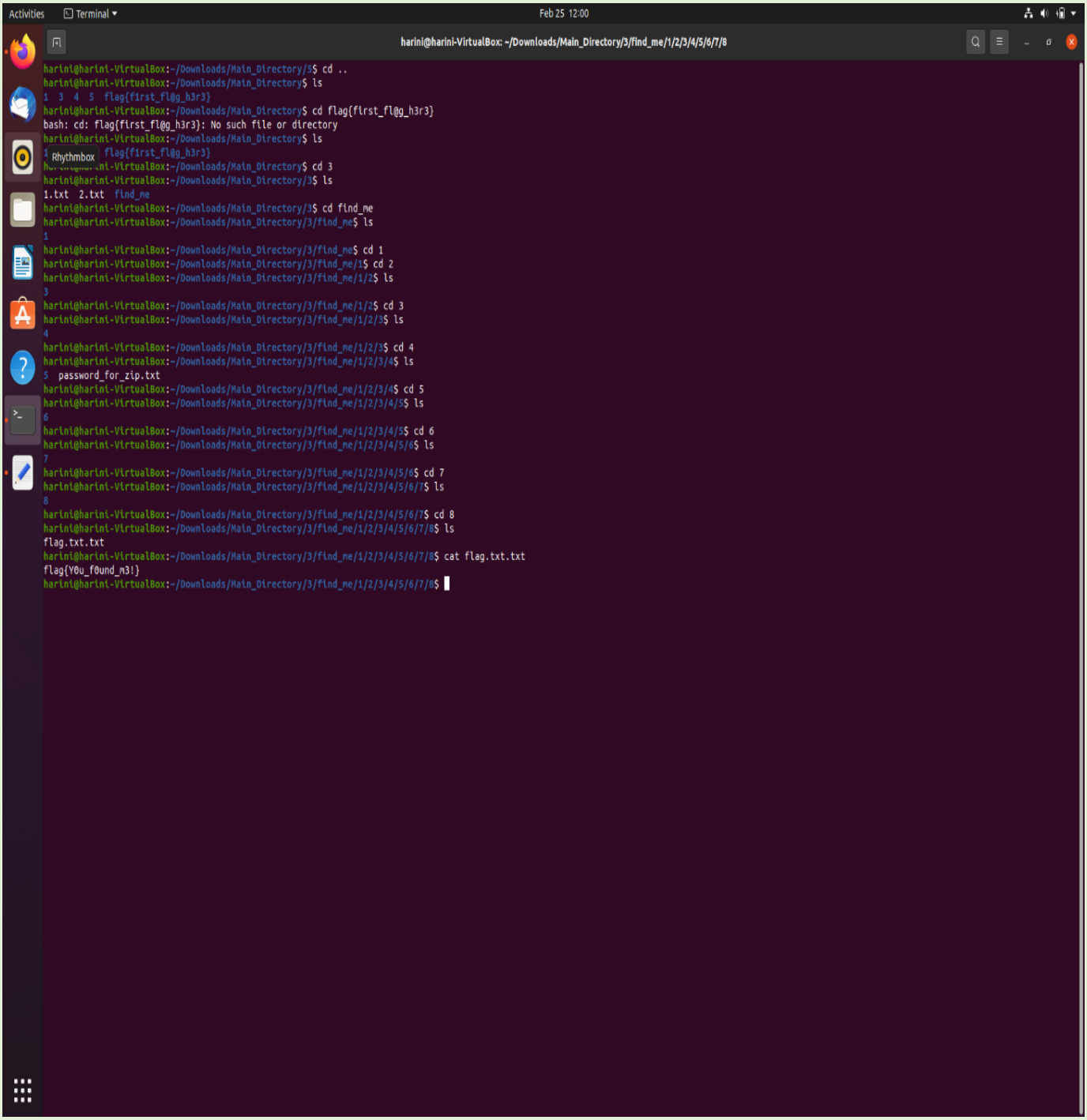


- In the same directory executing the sh file using the below command, we obtain the 6th flag. 6th flag: flag{3x3cutiOn_don3!}



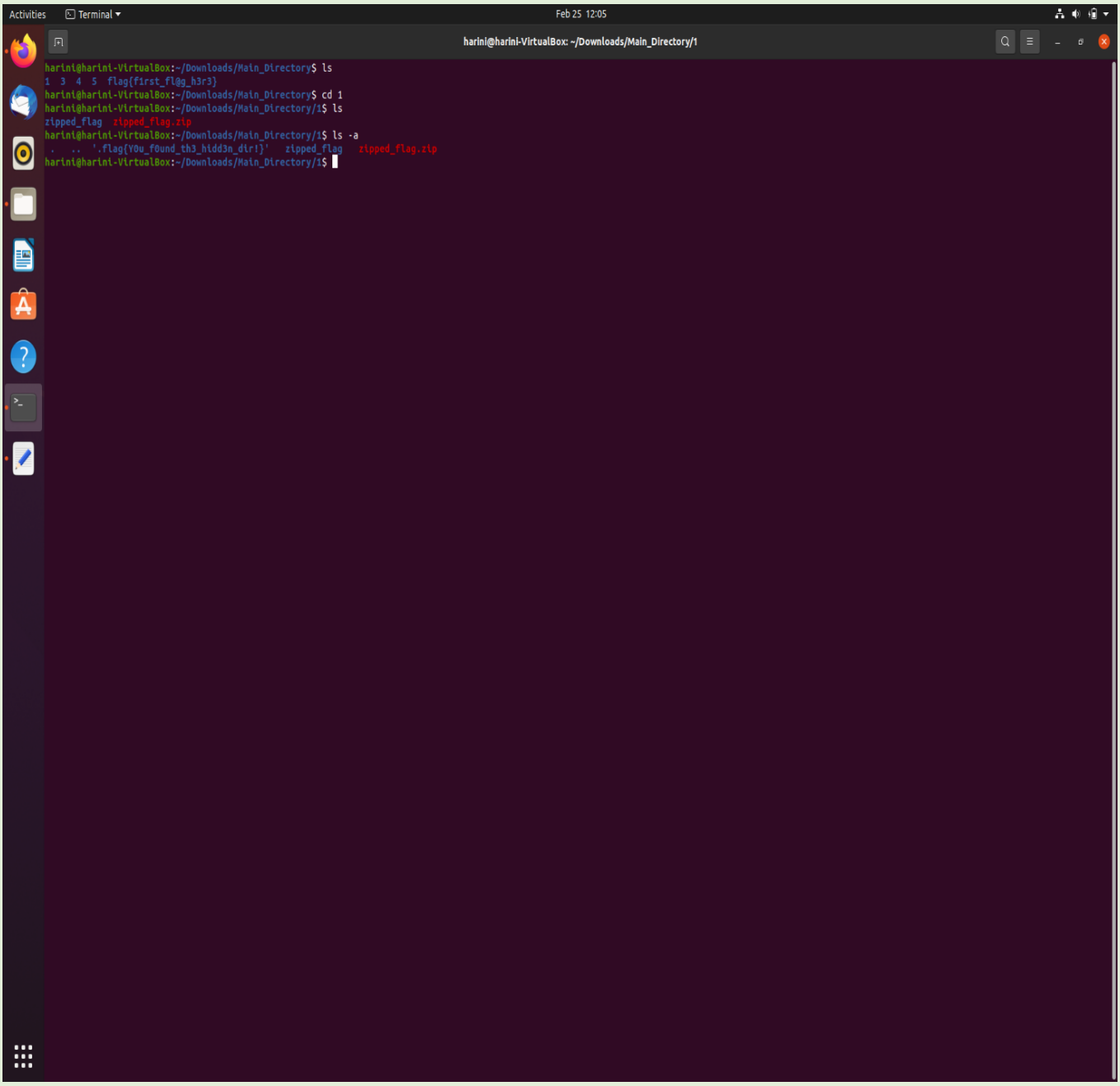
- Now again going back to the '3' directory and entering into the find_me directory opening the directory up to 8 we obtain a text file called flag.txt.txt and by extracting the text in that file we obtain the 7th flag.

  7th flag: flag{Y0u_f0und_m3!}



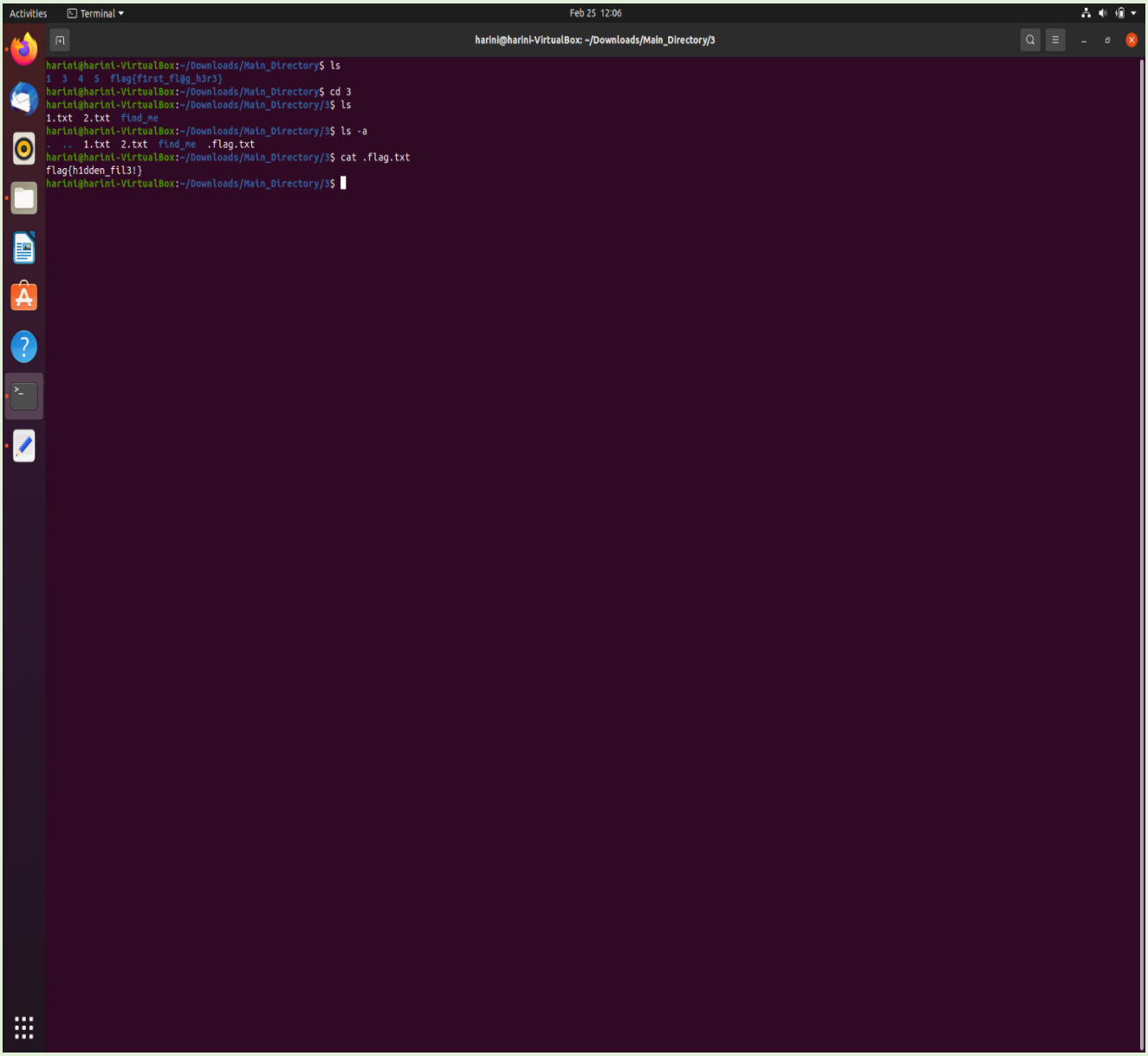
- Using the ls -a command for finding the hidden files in the '1' directory, we can see a file and that is the 8th flag.

  8th flag: flag{YOu_fOund_th3_hidd3n_dir!}



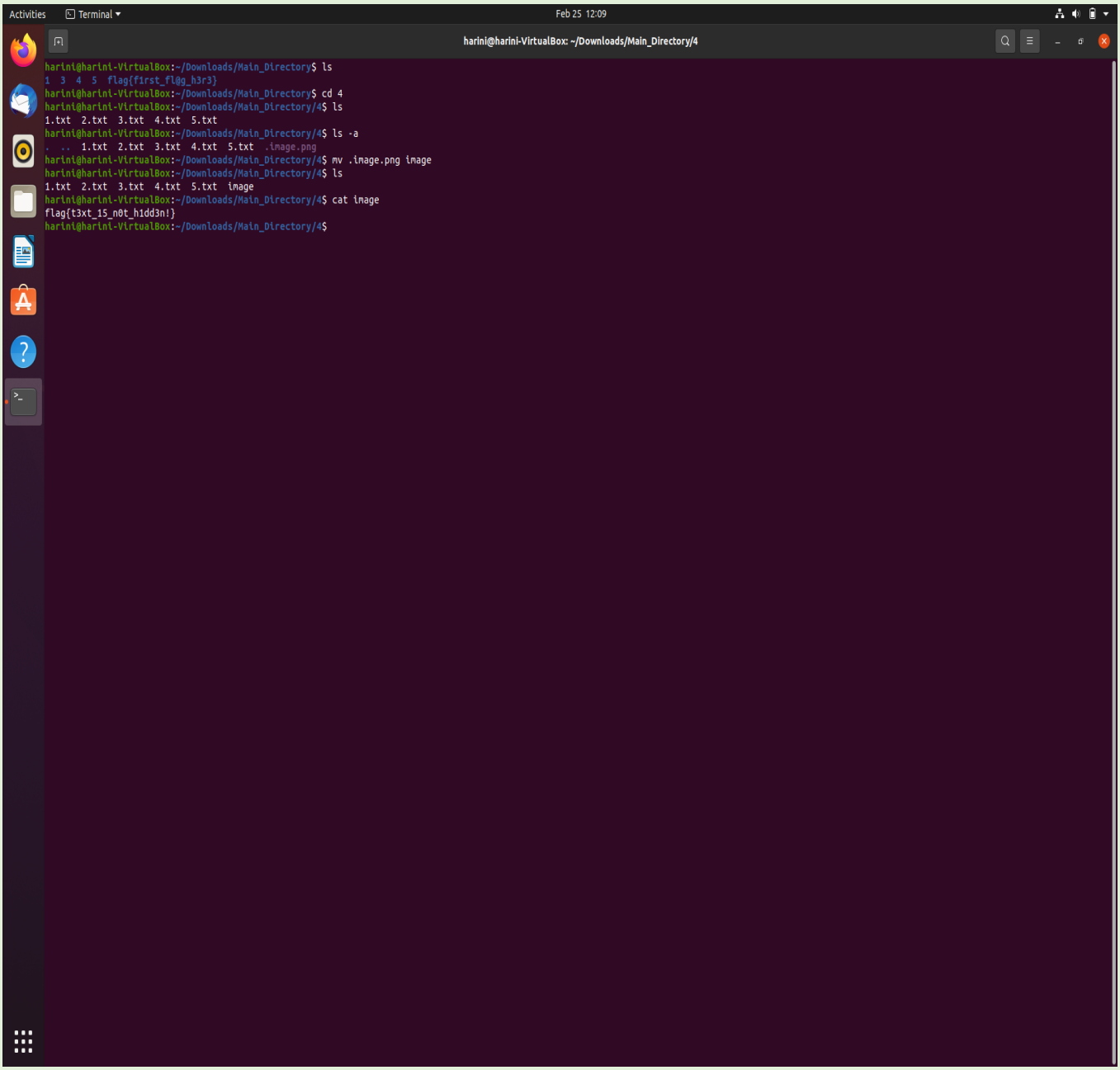
- Again Using the ls -a command for finding the hidden files in the '3' directory, we can see a text file there and by extracting it through the cat command we obtain the 9th flag.

  9th flag: flag{hidden_fil3!}

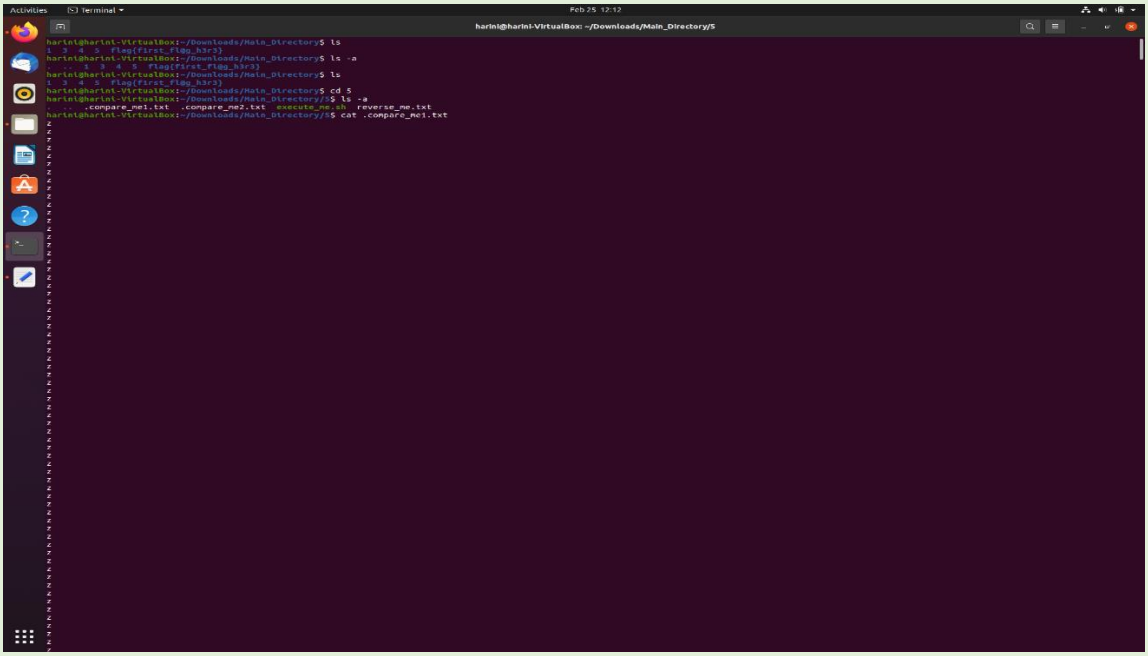


- Finding the hidden files in the '4' directory, we obtain a hidden png file we rename it and by opening it we find a flag i.e 10th flag.

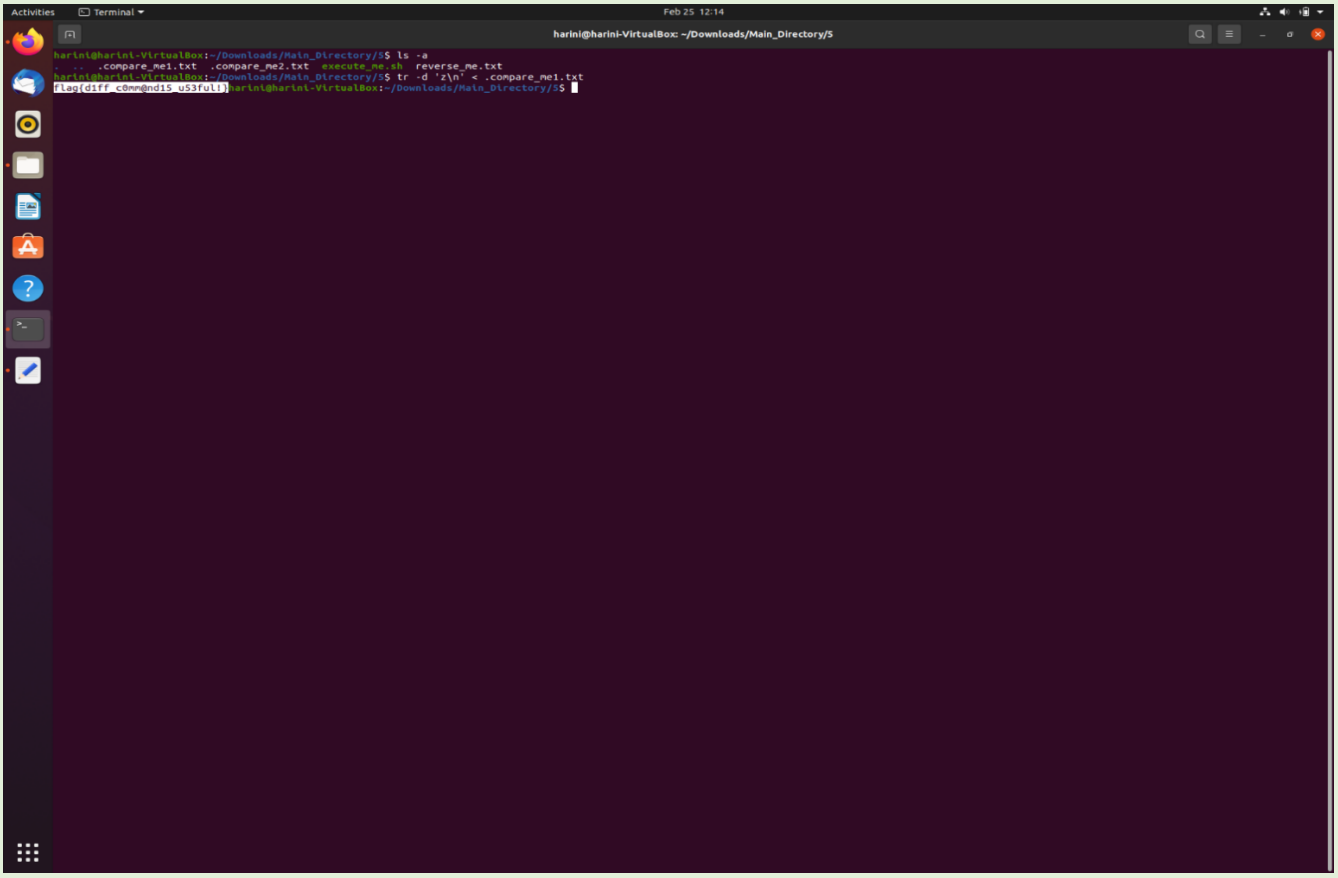
  10th flag: flag{t3xt_is_n0t_hidd3n!}



- Finding the hidden files in the '5' directory we obtain two hidden text files and using the cat command we open the .compare_me1.txt and the text is like below:



- Using the below command we delete the z and \n's from the .compare_me1.txt file to obtain the 11th flag.
- 11th flag: flag {diff_cOmm@n d15_u53 ful!}



PART-2:

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

   printf 'Harini\n%.0s' {1..25}

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

   head -n 30 /var/log/syslog

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

   tail -n 30 /var/log/syslog

4) What command should I use to arrange the entries of a file
   i) Alphabetically ------- sort file.txt
   ii) Reverse order ------- sort -r file.txt
   iii) Numerical order ------- sort -n file.txt

5) Cope 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?

   sort -u file.txt

6) What are the four parts of the file's permission?
   i) rwx → user can read write and execute the file
   ii) r-x →user can read and execute but cant write the file
   iii) rw- → user can read and write the file but cant execute it.
   iv) r-- →user can only read the file but cant write and execute the file.

   - *Where r,w,x => [r – read, w – write, x - execute].*
   - *This r,w,x are also called as main security permissions.*


The End