CYSE 270: Linux System for Cybersecurity

Assignment: Lab 3 – VI Editor

Goal

- Practice using the vi editor.

Notes:

- Remember the "**modes**" in the vi editor.

- You may use the "**Escape**" key to return to command mode if you get confused and need to start over. **Exercises**

1. Create a file using the vi editor.

2. Navigate, copy, paste, and edit within the vi editor.
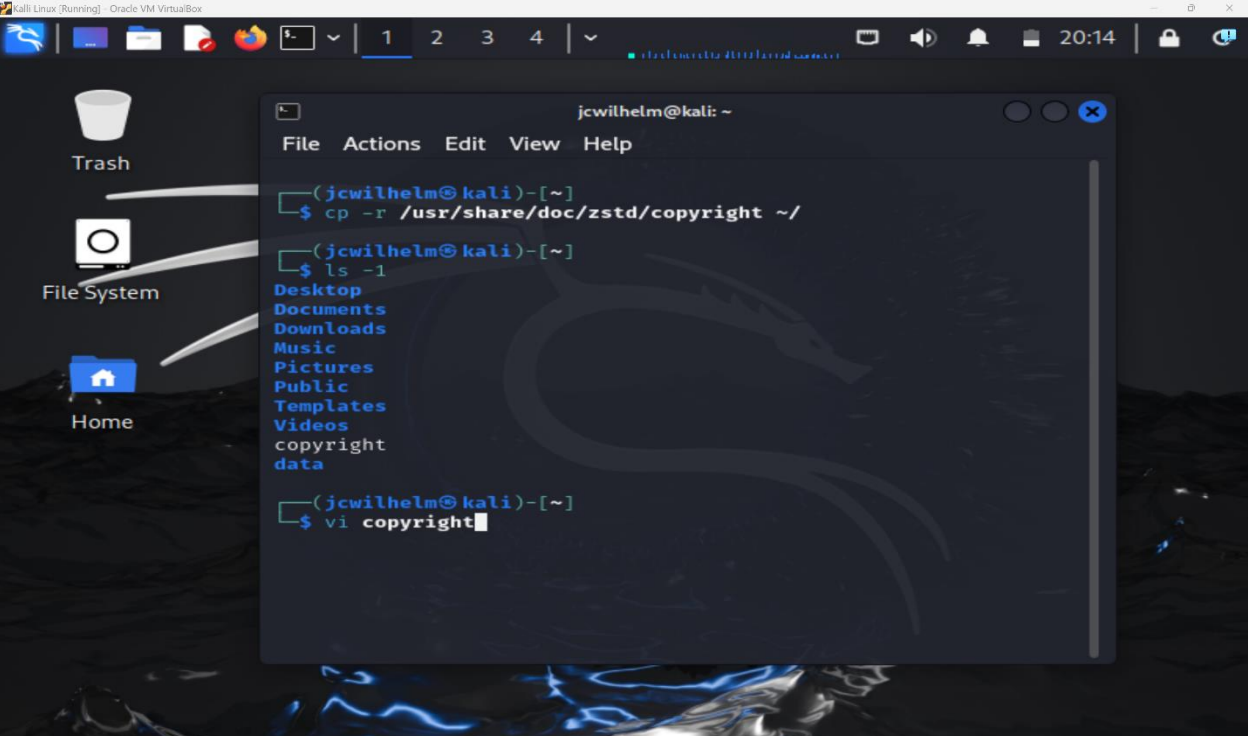
Submission Instructions

- Take screenshots for each step you perform and write down the correct command corresponding to each step number. Submit this in a Word or PDF file.

- Multiple commands that fit into a single screenshot can be submitted together

Task: vi Practice on Ubuntu / Kali Linux (20 * 5 = 100 points)

Open the terminal in your VM, then complete the following tasks. Please take the screenshots of all the necessary commands that you execute for each step and submit the screenshots with their step number in a word or pdf file.

NOTE: You may write the correct vi editor commands, if screenshot is not applicable. Please see the note added to some steps below.
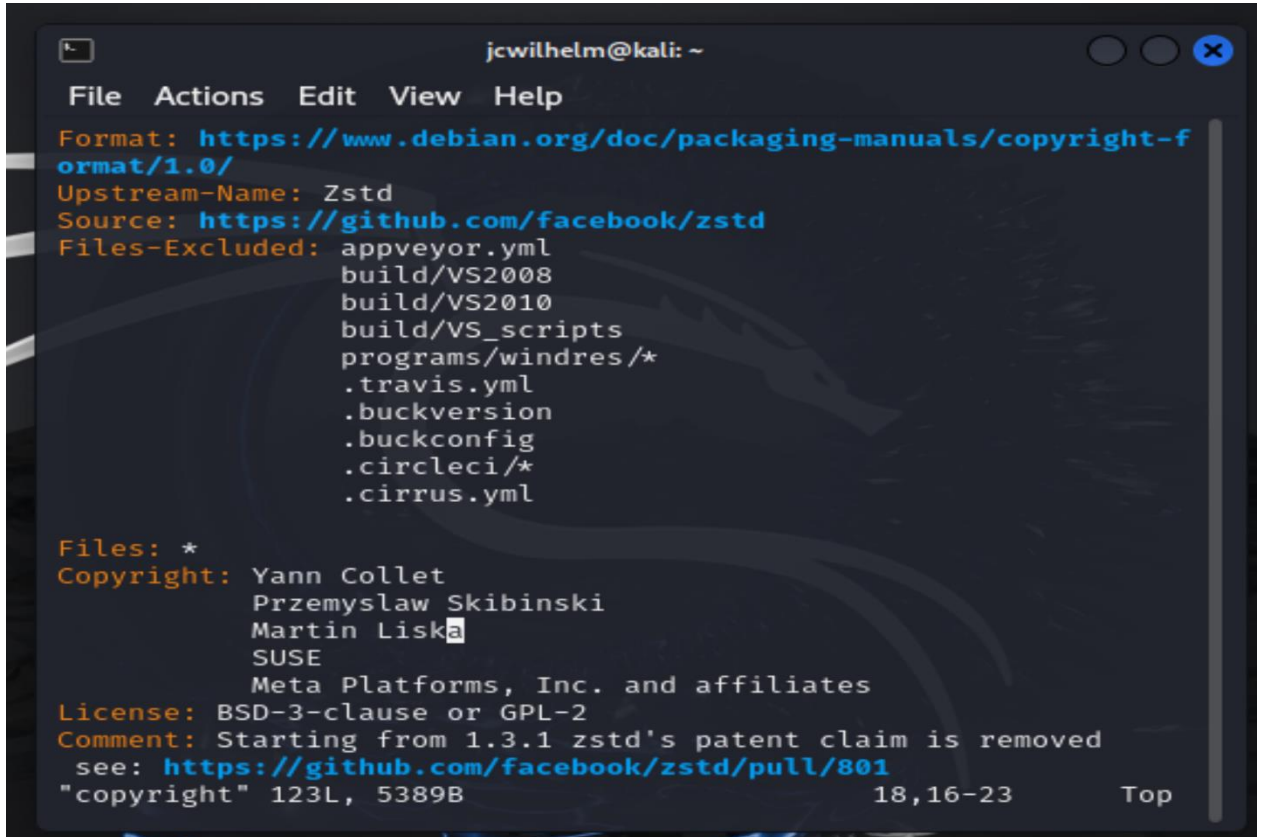
1. Copy the file /usr/share/doc/zstd/copyright to your home directory. [NOTE: alternatively, you can use any text file that is large if you cannot find this file on yours.

   For example: If you are not able to locate copyright file in your VM, you may copy /etc/passwd file to your home directory to work for lab-3.]

2. Perform a **long list** in your current directory using the correct command.
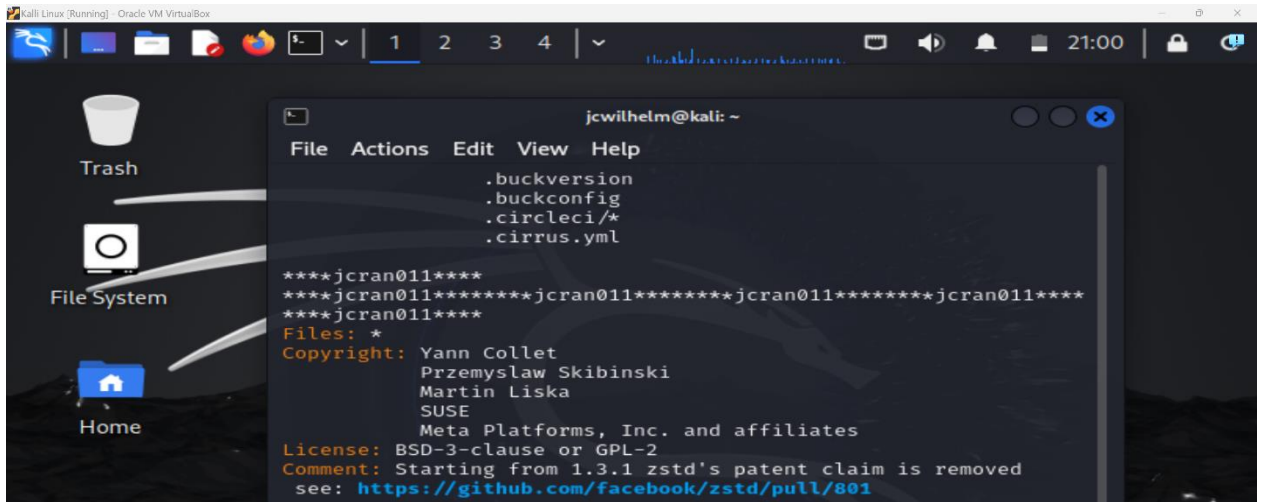
3. Open the file copyright (or any file that is large enough with multiple lines of text) in a vi-editor using **vi** command.

4. Move to line 15, then insert your MIDAS ID in the same line with the following format: ****XXXX****(**replace XXXX with your own MIDAS name**).

5. Return to the command mode (using ESC key).

6. Open a new line below the current line using correct command (please refer to slides with the list of commands used in vi editor)

7. Return to the command mode.

8. Use command to Insert "****XXXX ****" **five** times.

9. Use command to return the **top** of the file. [Please write the correct command for this step]

10. **Move forward three sentences**. [Please write the correct command for this step with step number]

11. Move forward **four words**. [Pease write the correct command for this step]

12. Search for the word example or any word existing in the document that you are using for lab-3. [Please take the screenshot for this step to submit]
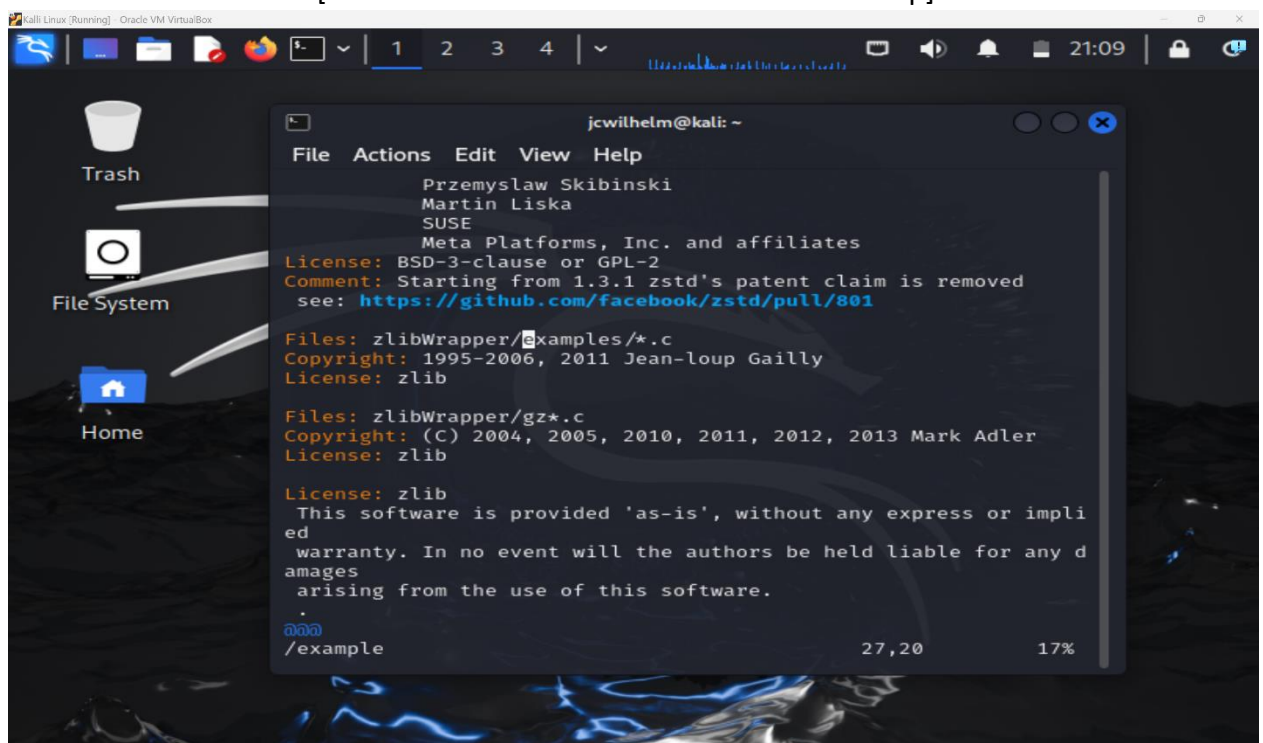
13. Continue to the next occurrence of the search term example. [Please take the

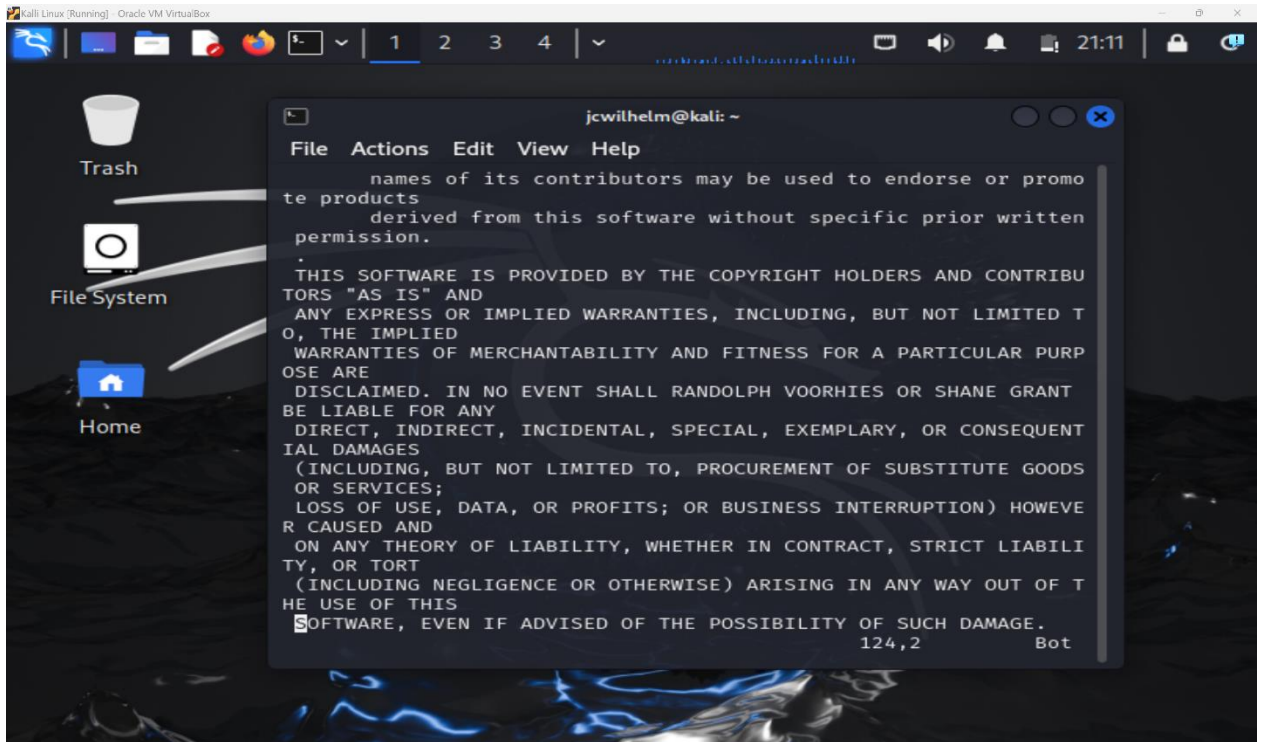screenshot for this step to submit]
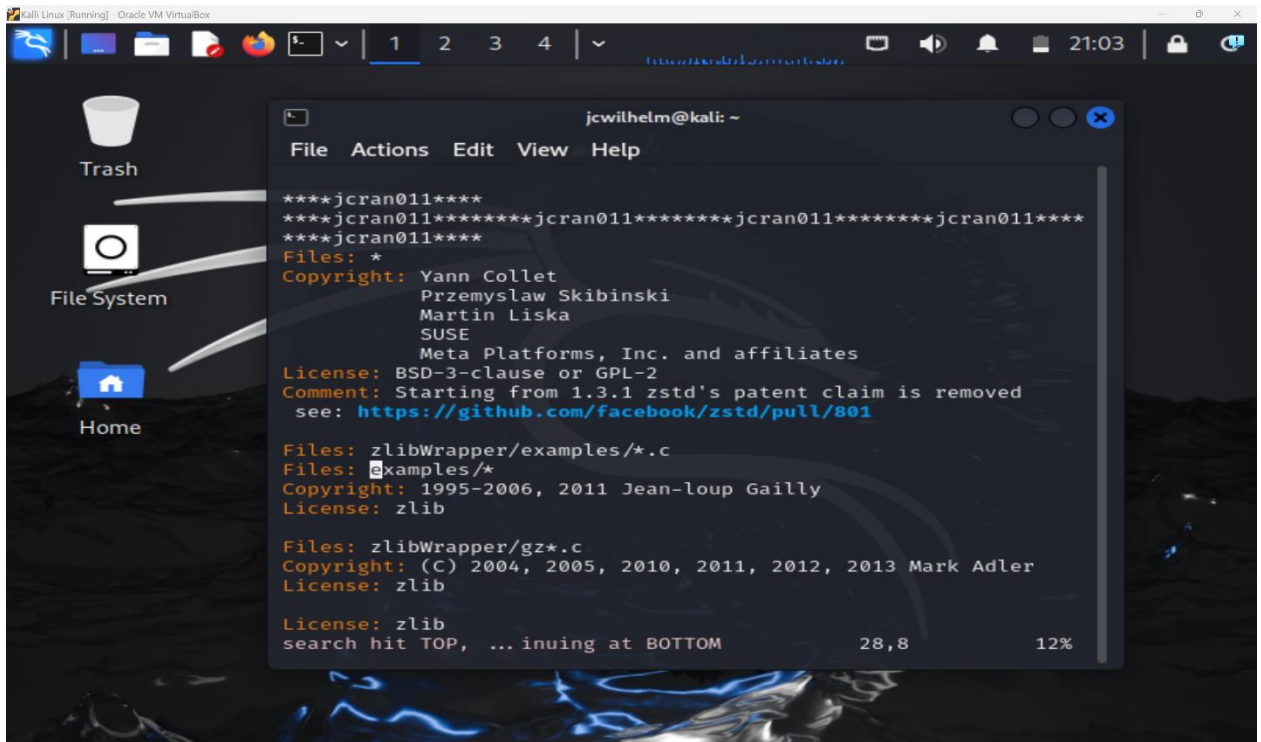
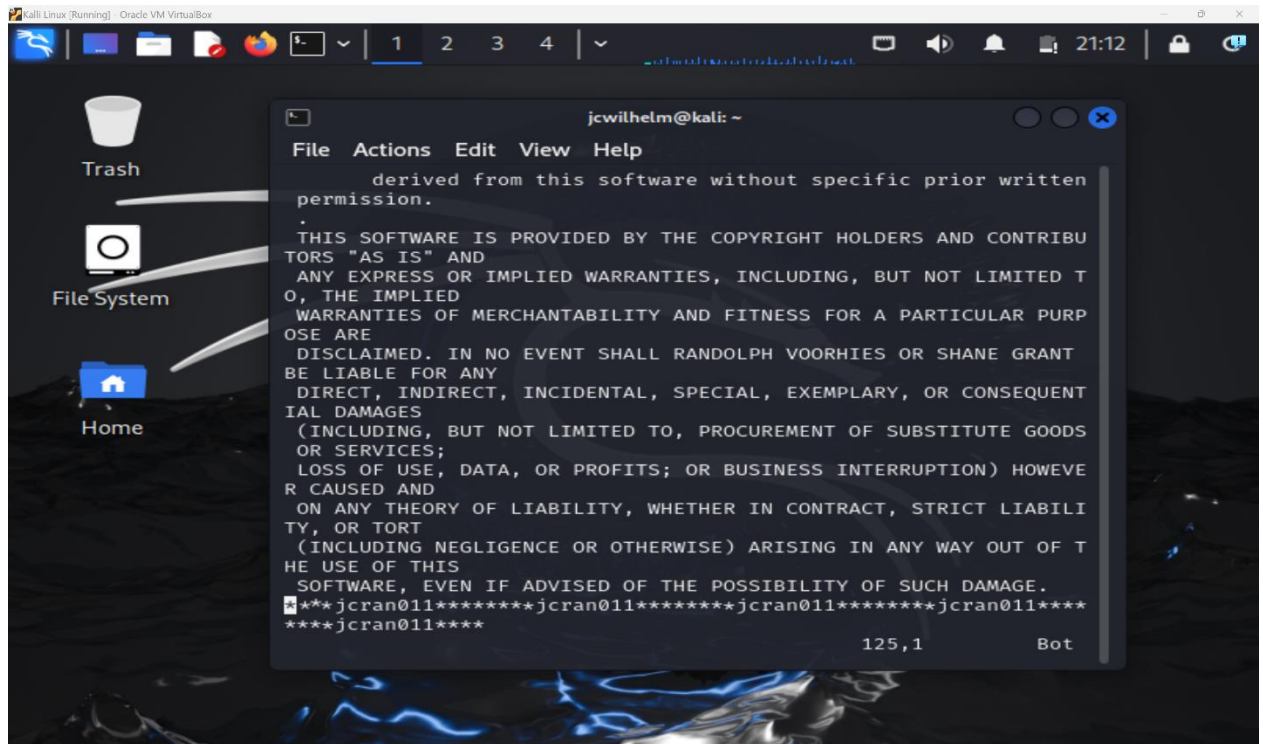**14.** Delete the current word, example. [Please take the screenshot for this step to submit]
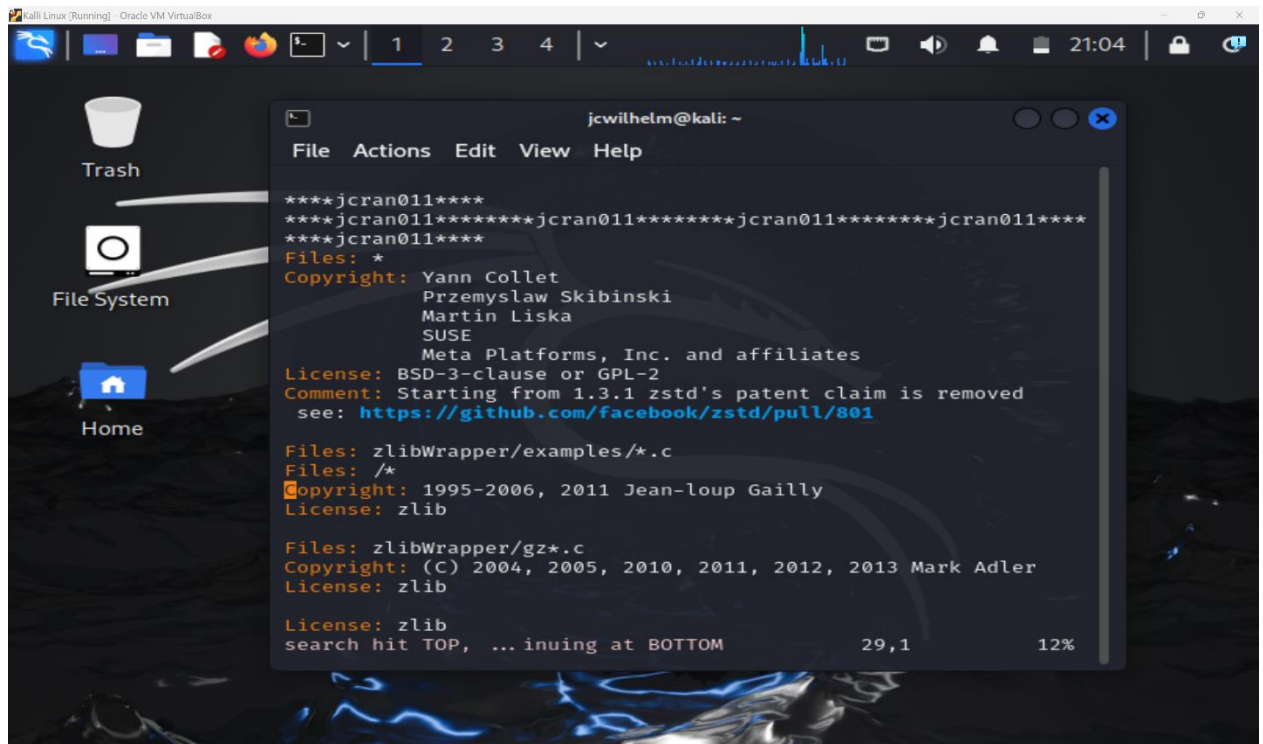
15. Delete the current line. [Pease write the correct command for this step]
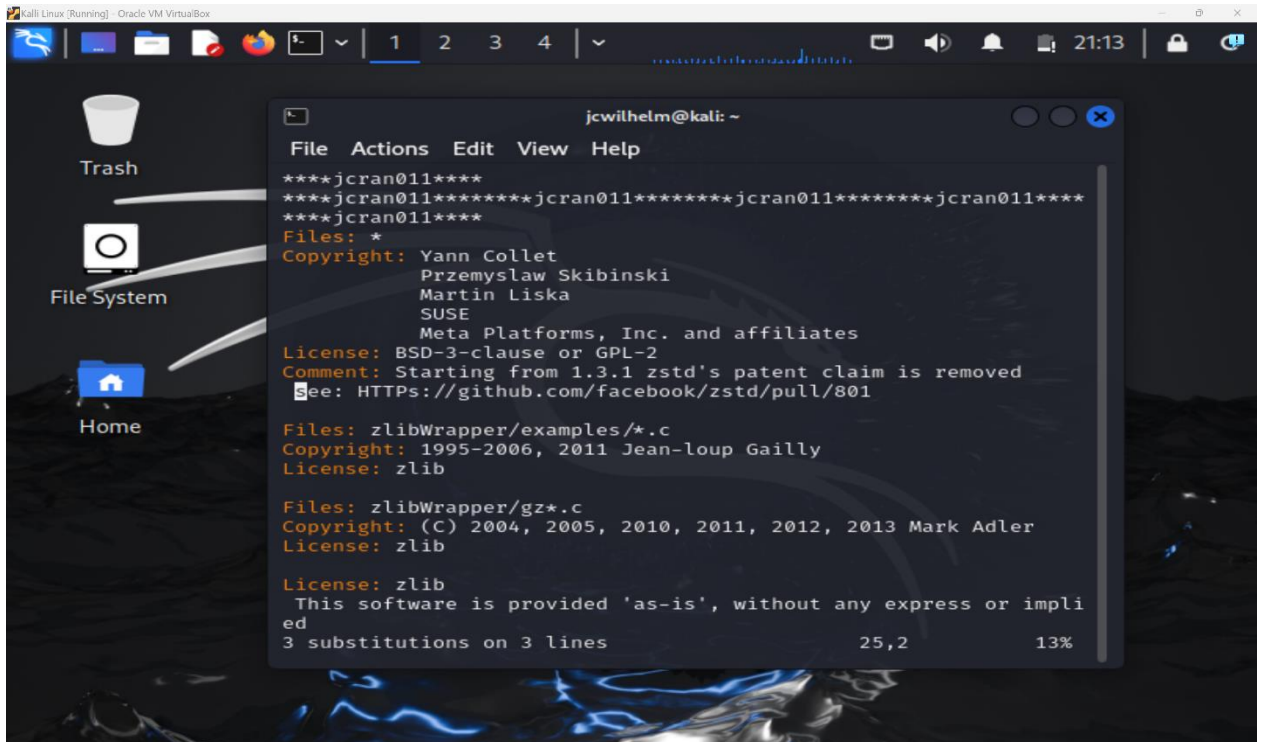
16. Use command to jump to the end of the file.

17. Copy line 16 and paste the text at the end of the document. [Pease write the correct

command for this step]

18. Replace all occurrences of http with HTTP throughout the document. [Please take the

screenshot for this step to submit]

19. Save and quit the document. [Please take the screenshot for this step as well and submit]
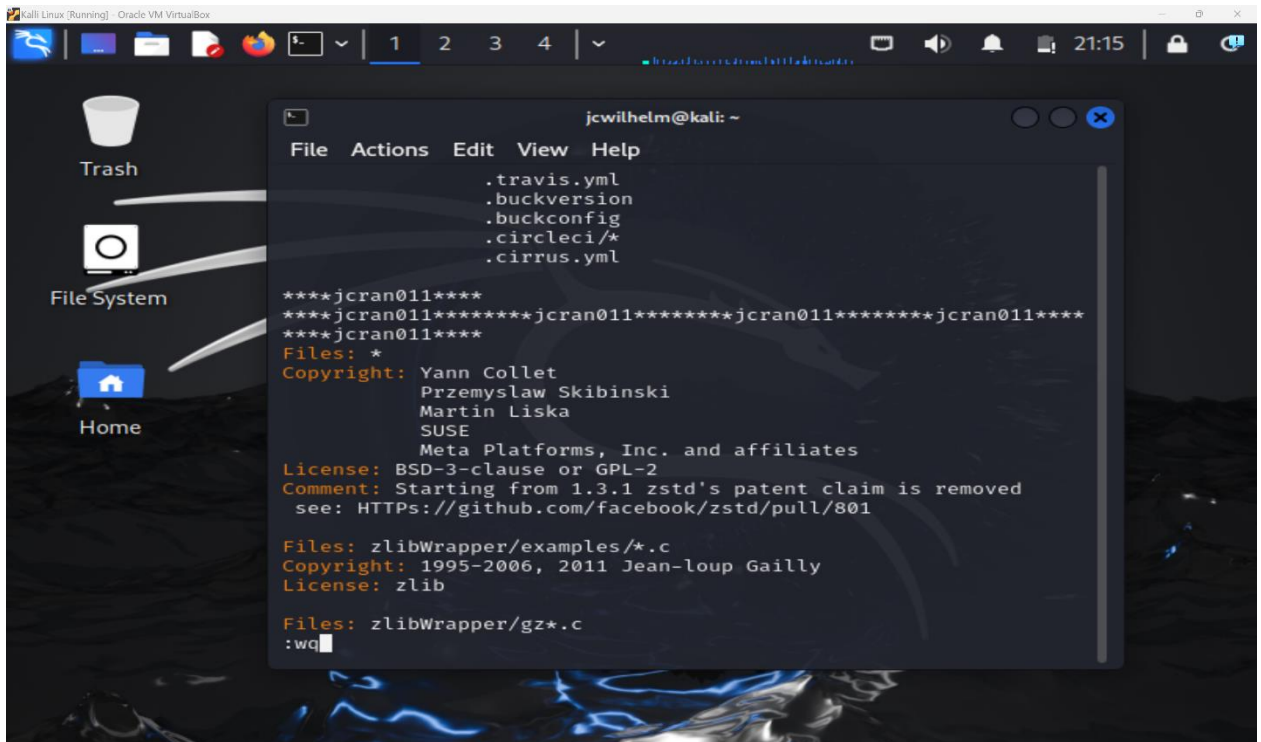
20. Rename the file **copyright** to **copyright_cyse270** [Please take the screenshot for this

step as well and submit]
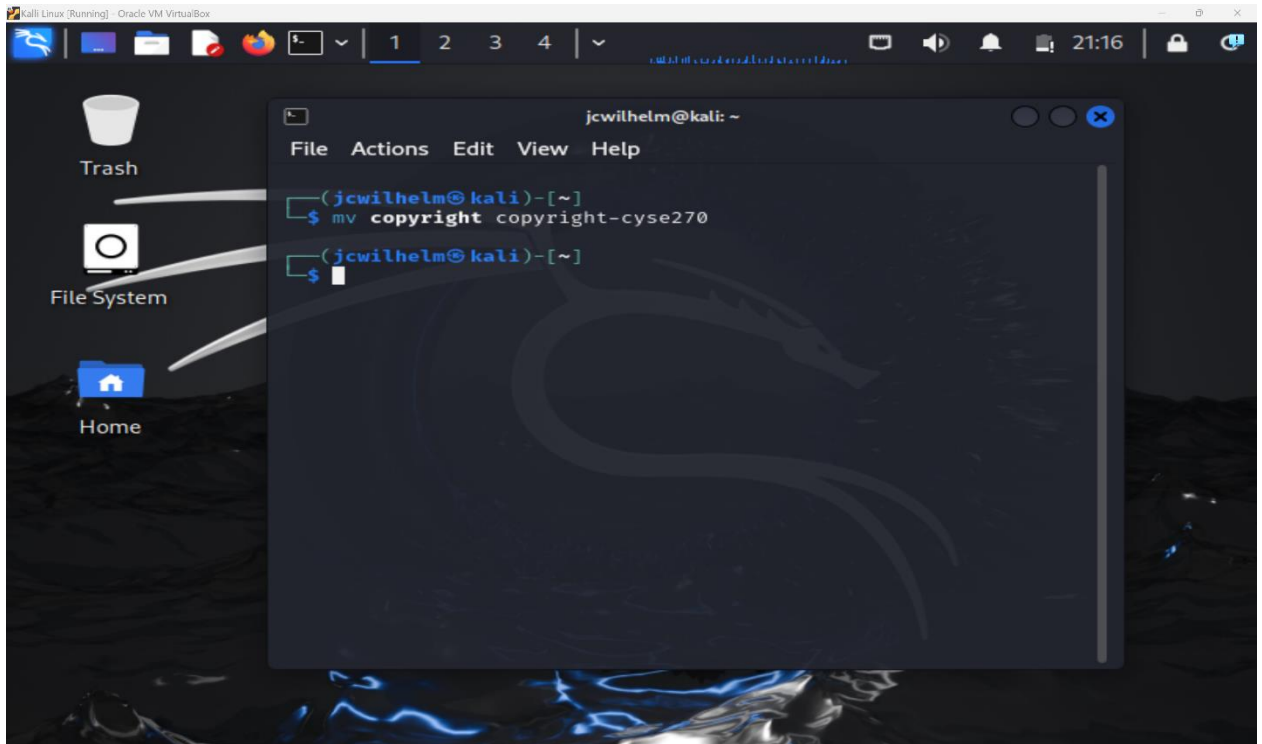
Please note:

You can use one screenshot to cover multiple steps. Make sure you highlight and annotate
important information.