

EXPERIMENT-09

Aim :

To study the steps for hiding and extract any text file behind an image file/ Audio file using Command Prompt.

Here is the procedure and result for Experiment 9 (Steps for Hiding and Extracting Text File behind an Image or Audio File using Command Prompt):

Procedure:

1. Preparation:

- o Copy the text file you want to hide (e.g., A.txt) and the image file (e.g., B.jpg) to the Desktop for easy access.

2. Open Command Prompt:

- o Press Win + R, type cmd, and press Enter.
- o Change directory to Desktop by typing:
text

```
cd Desktop
```

3. Hide Text inside Image:

- o Use the binary copy command to merge the text file with image file:

```
text  
copy/b B.jpg + A.txt C.jpg
```

- o This command creates C.jpg, the image file with the hidden text embedded.

4. Retrieve Hidden Text:

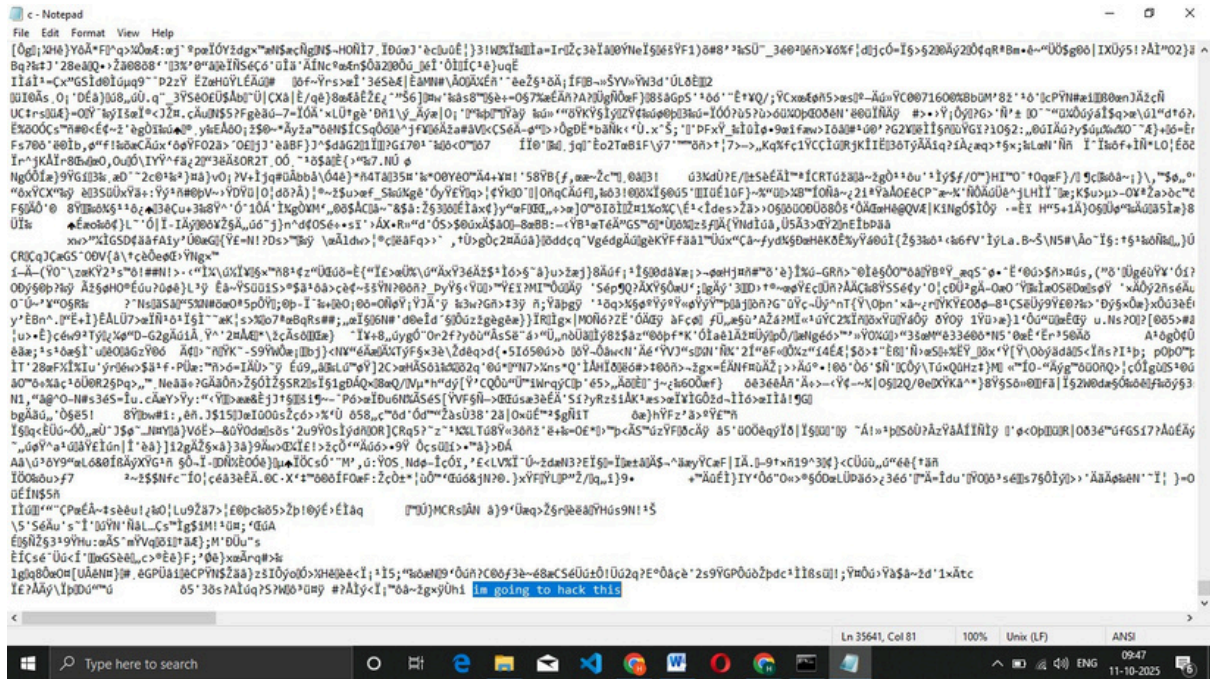
- o Locate the merged file C.jpg.
- o Right-click on C.jpg and open it with Notepad.
- o Scroll to the very bottom of the file in Notepad to see the hidden text from A.txt.

Alternative: Hide any File behind Audio

If you want to hide a ZIP or other file behind an audio file (e.g., sound.mp3 and secret.zip), use:

```
text  
copy/bsound.mp3 + secret.zip newfile.mp3
```

- To retrieve the hidden file, rename newfile.mp3 back to .zip or open it with an archive tool.



Result:

The text file was successfully hidden within the image file without altering the visible content.

The hidden data could be retrieved by opening the merged file in a text editor.

This basic steganography technique demonstrates how files can be concealed in multimedia content for confidentiality or forensic challenges.