

Exp:09
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Extract any text file behind an image file/ Audio file

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:

- 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:

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

```
text
cd Desktop
```

3. Hide Text inside Image:

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

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

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

4. Retrieve Hidden Text:

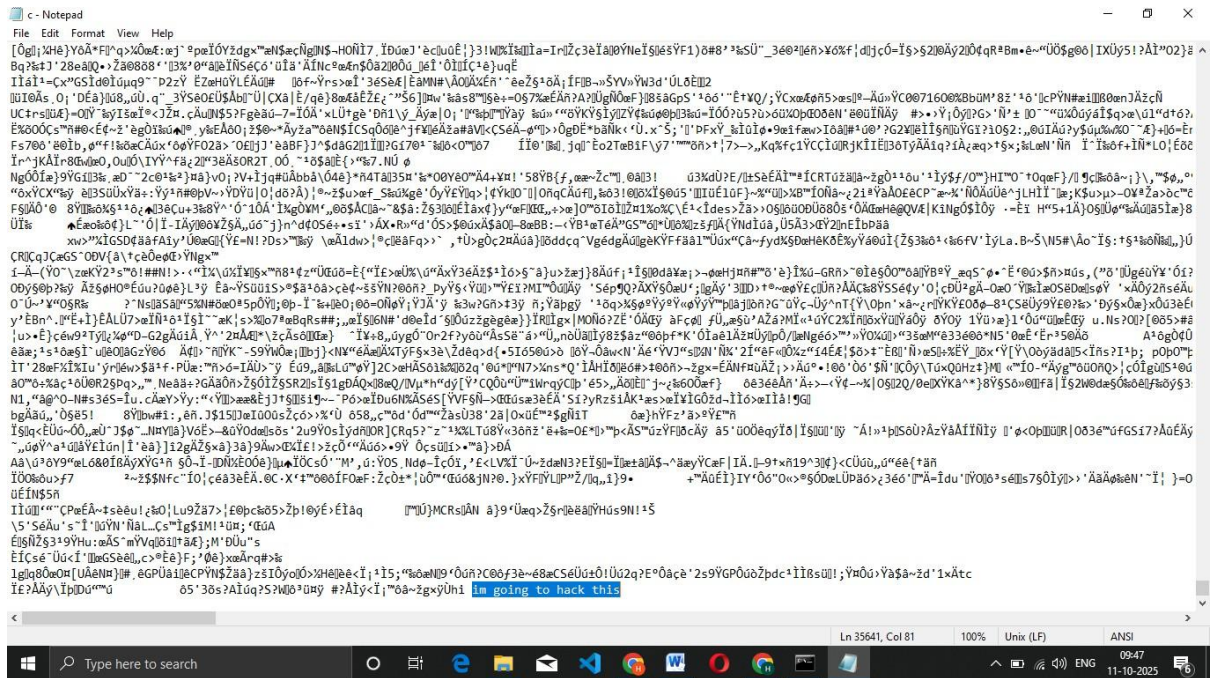
- Locate the merged file C.jpg.
- Right-click on C.jpg and open it with Notepad.
- Scroll to the very bottom of the file in Notepad to see the hidden text from A.txt.

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 /b sound.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.