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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:**
   - 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
     ```

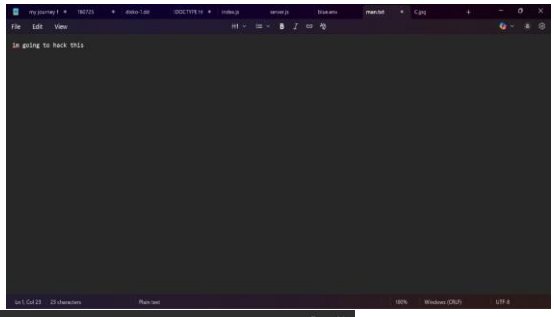
   - This command creates `C.jpg`, the image file with the hidden text embedded.
4. **Retrieve Hidden Text:**
   - Locate the merged file `C.jpg`. ○ Right-click on `C.jpg` and open it with Notepad. ○ Scroll to the very bottom of the file in Notepad to see the hidden text from `A.txt`.

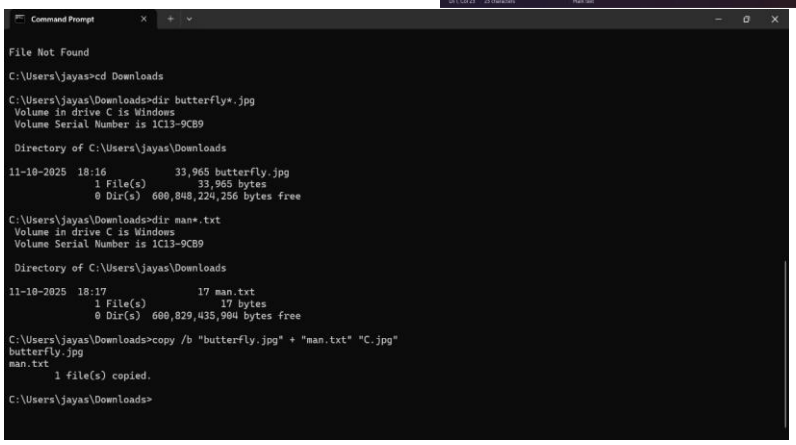
Alternative: Hide any File behind Audio

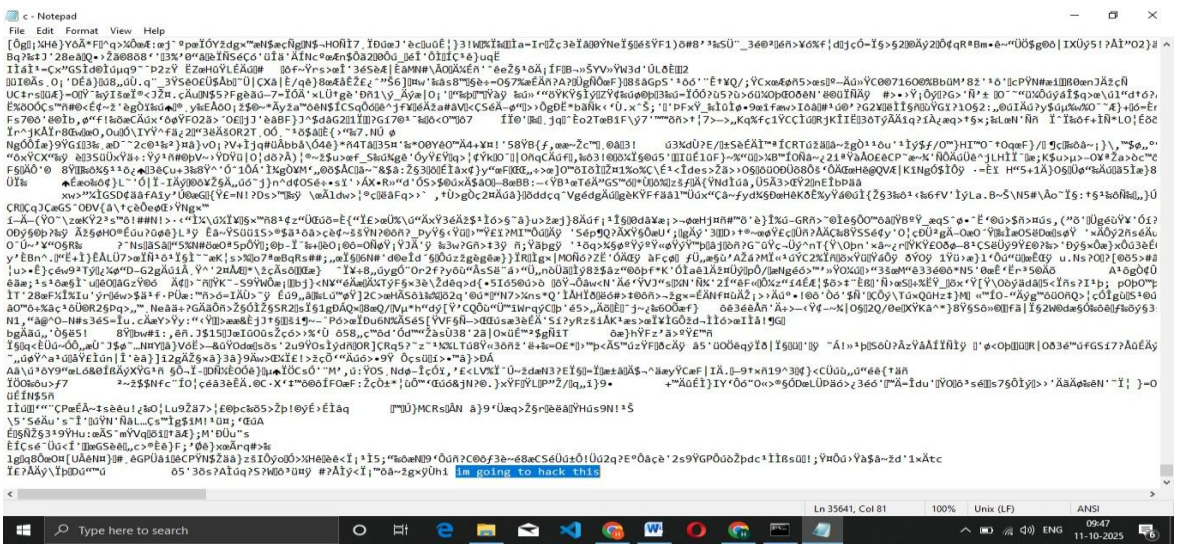
- If you want to hide a ZIP or other file behind an audio file (e.g., `sound.mp3` and `secret.zip`), use:

  ```
  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.