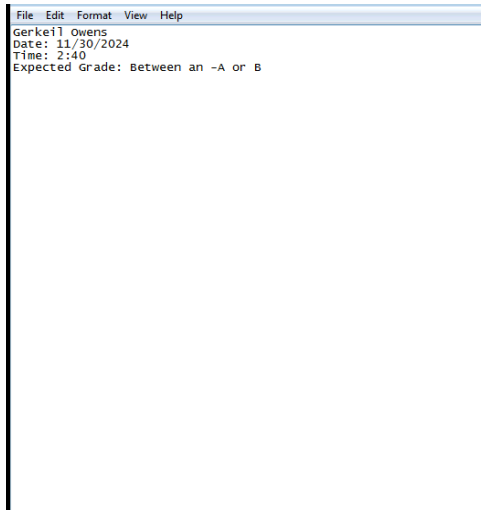


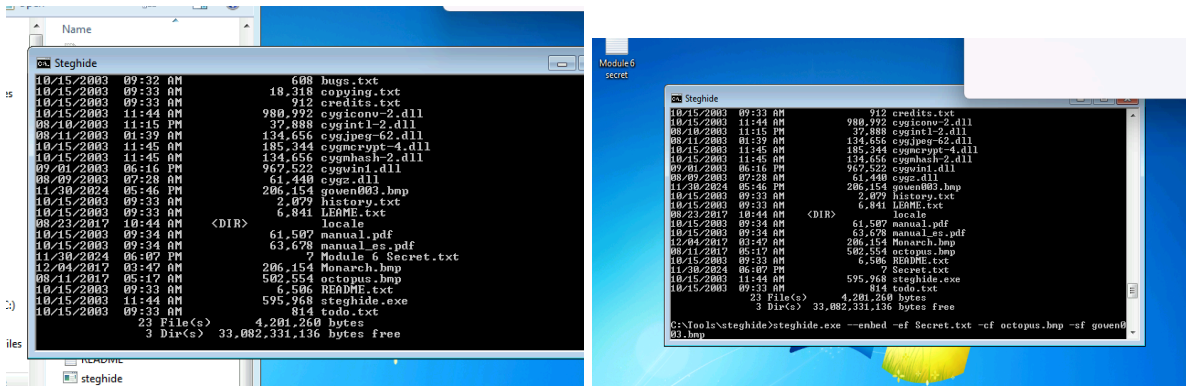
1. [10 Points] Create a text file containing the answers to the following questions:

- What are your name and current date and timestamp?
- What is your expected grade in this course?

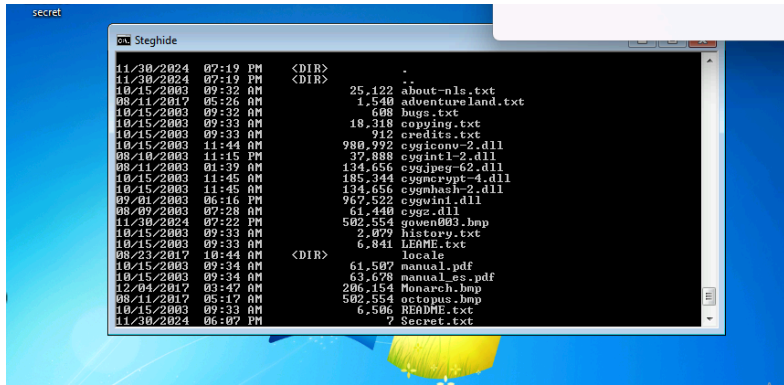


2. [50 Points] Use steghide to hide this text file in the cover image, " octopus.bmp."

- Use your own UIN (for example, 01000123) as the password for encryption (you can choose any encryption algorithm from the given options).
- Use your Midas ID (all lowercase) for example "svatsa.bmp" as the name of the STEGO file.

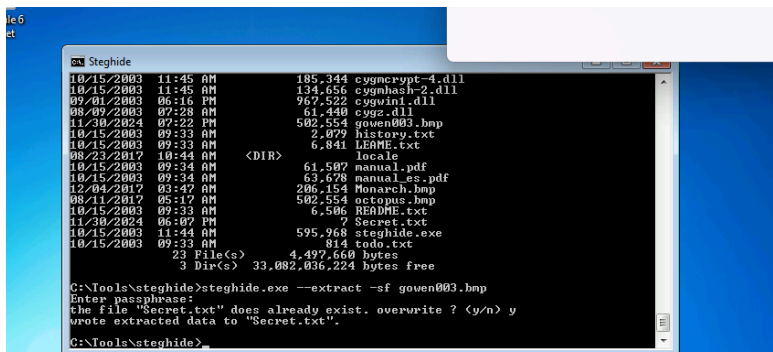


- Using the “**dir**” command to show the files and directories
- Using the “**steghide.exe --ef Secret.txt -cf octopus.bmp -sf gowen03.bmp**” command to hide and embed the text file.



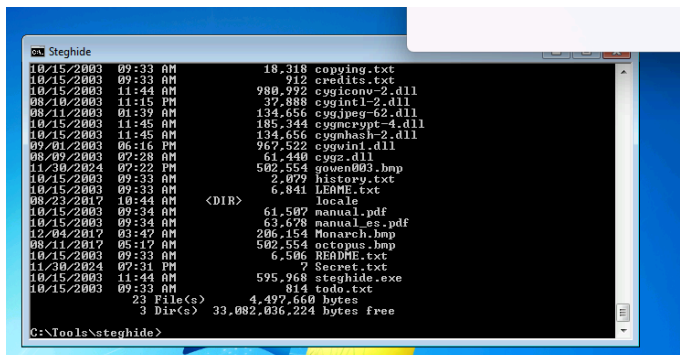
- Using the “dir” command again to show that “gowen003.bmp” has appeared in the files and directories.

3. [20 Points] Extract the secret message by executing steghide command with - - extract option as follows:



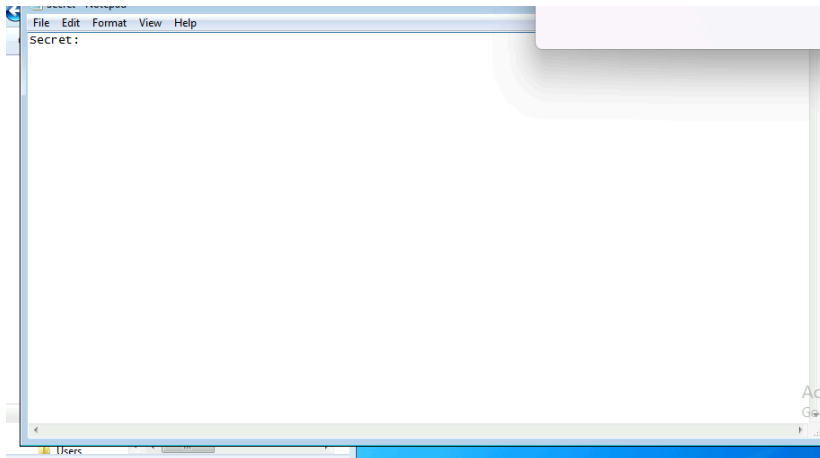
- Using the “steghide.exe --extract -sf gowen003.bmp” command to extract the contents of the file

4. [10 Points] Execute the command to list the contents to verify whether the textfile with secret message has been extracted or not. You should see textfile there because it was hidden in the jpeg image file and appeared after extracting the image file in the previous step.



- Using the “dir” command to show if the file has been extracted or not.

5. [10 Points] Execute the command to display the contents of the file you revealed.



- This is what was revealed when opened the file