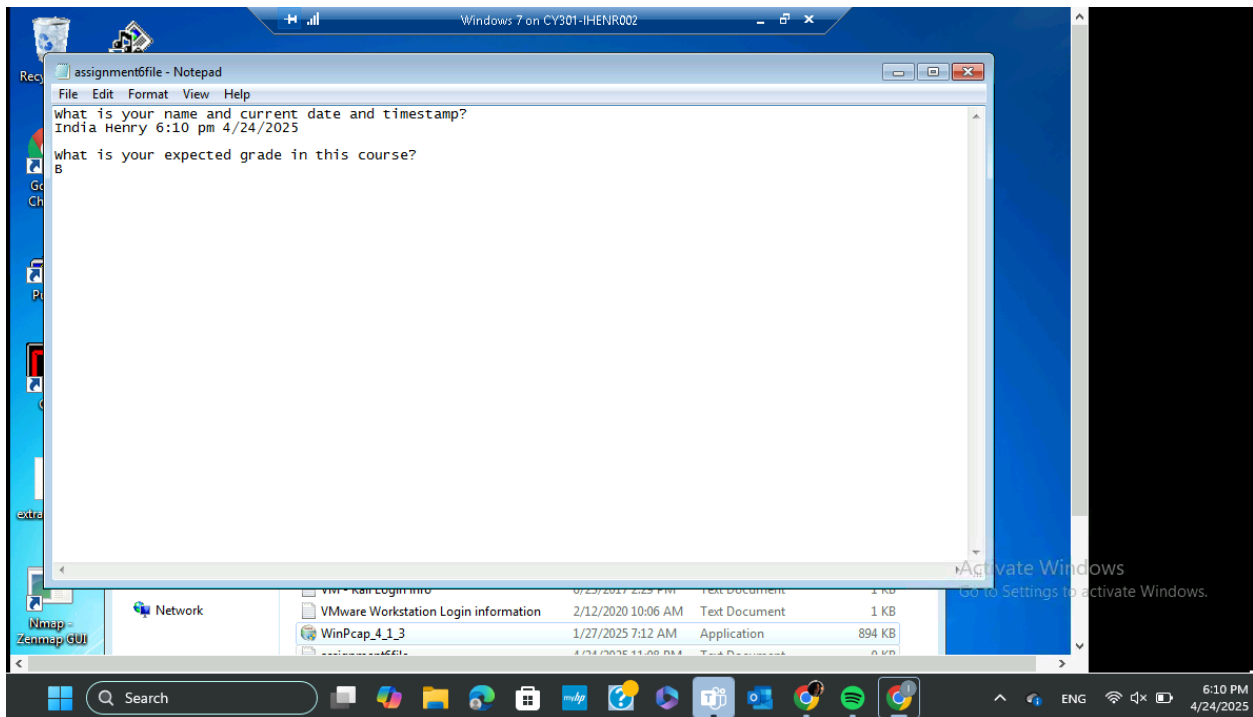
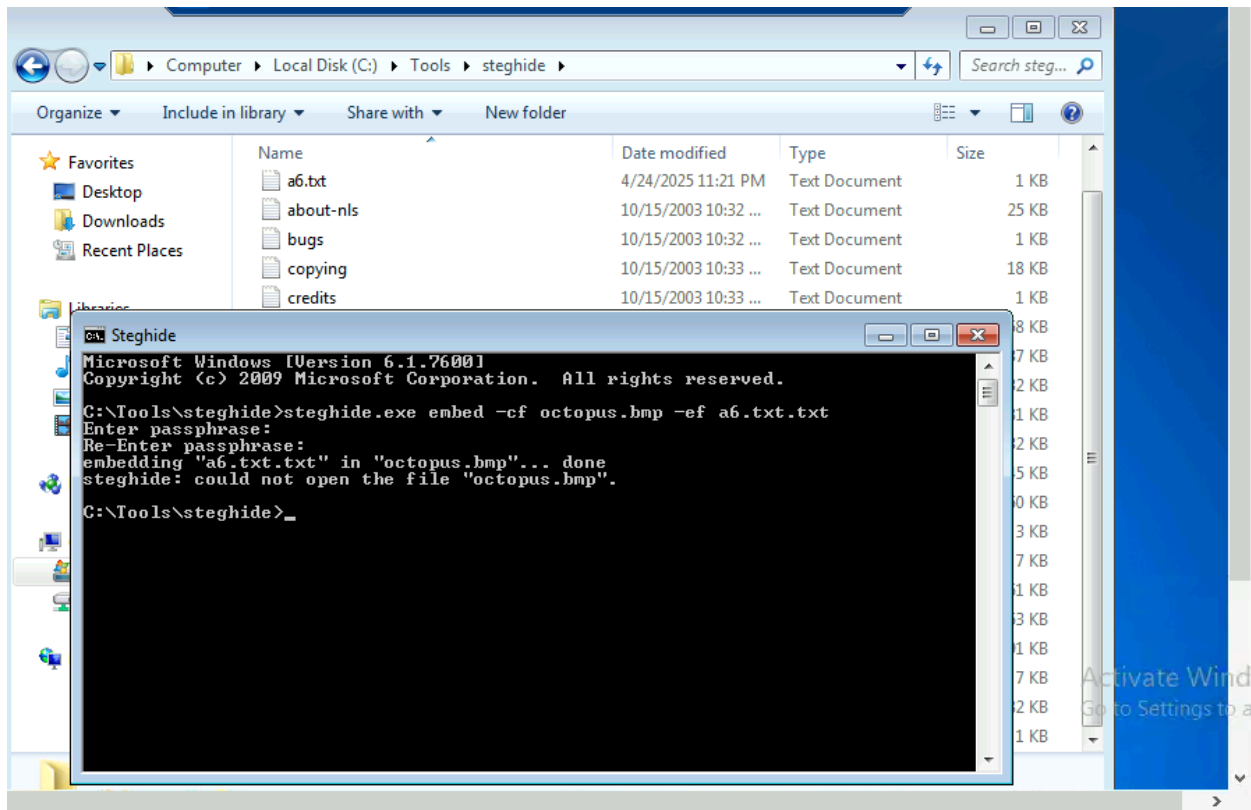
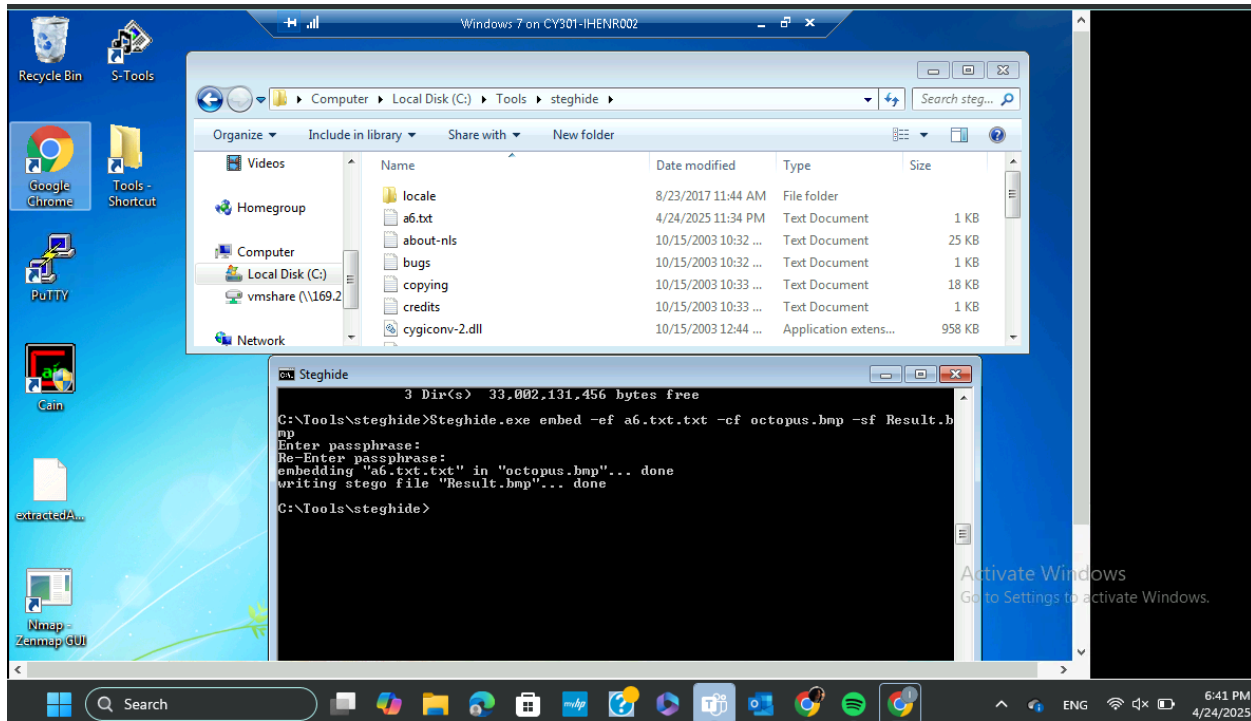


**India Henry
CYSE301 - 32781
Shideh Yavary Mehr
26 April 2025
CYSE Cybersecurity Techniques and Operations
Assignment 6: Hide Your Secret!**

1. Create a textfile containing the answers to the following questions
 - a. What is your name and current date and timestamp?
 - b. What is your expected grade in this course?



2. Use steghide to hide this text file in the cover image, "octopus.bmp."
 - a. Use your UIN as the password for encryption - you can choose any encryption algorithm from the given options



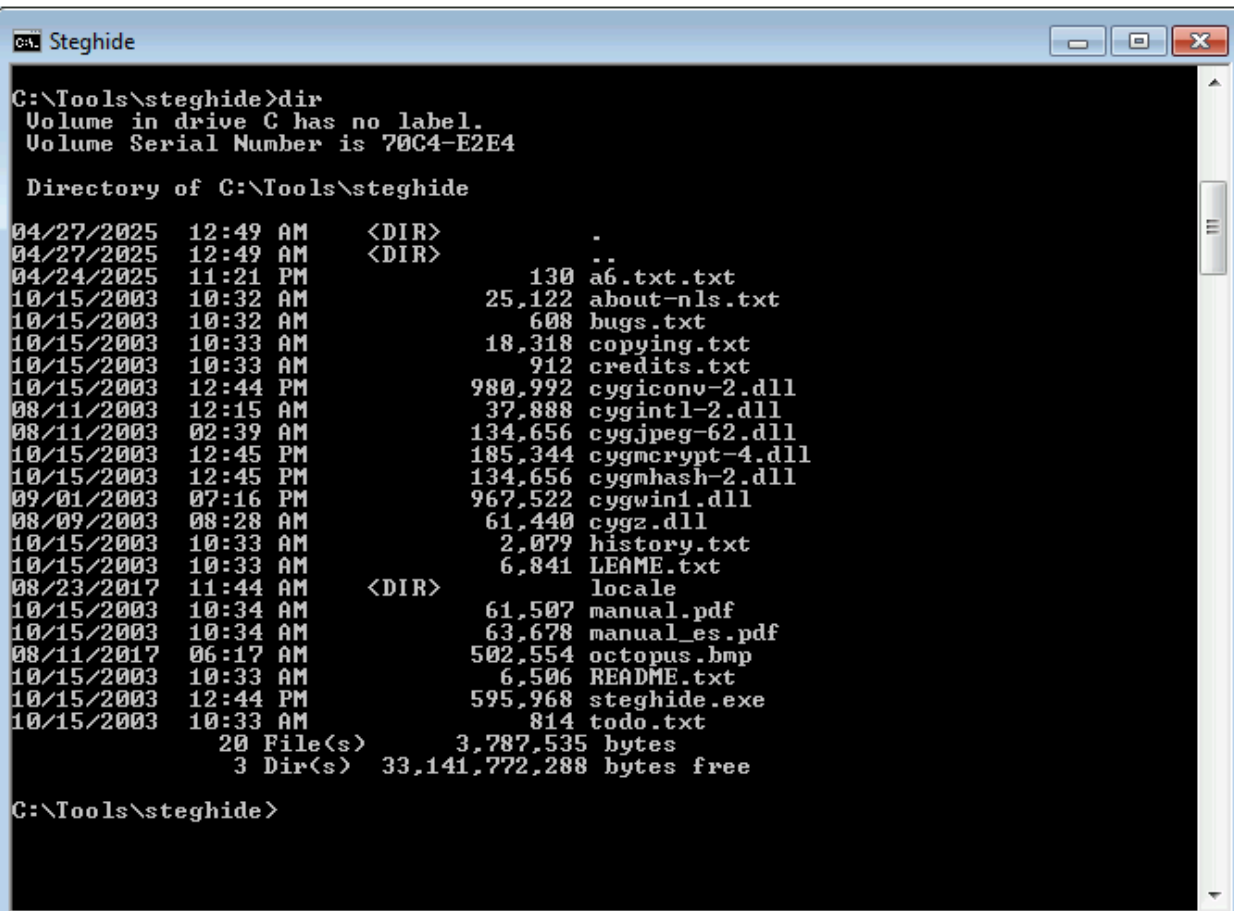
b. Use your Midas ID (lowercase) as the name of the STEGO file

```
steghide: could not open the file 'octopus.bmp'.
C:\Tools\steghide>steghide.exe extract -sf octopus.bmp
Enter passphrase:
steghide: could not extract any data with that passphrase!
C:\Tools\steghide>
```

3. Extract the secret message by executing the steghide command with --extract option

```
C:\Tools\steghide>steghide.exe --extract -sf octopus.bmp
Enter passphrase:
steghide: could not extract any data with that passphrase!
C:\Tools\steghide>
```

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



```
Steghide
C:\Tools\steghide>dir
Volume in drive C has no label.
Volume Serial Number is 70C4-E2E4

Directory of C:\Tools\steghide

04/27/2025  12:49 AM    <DIR>          -
04/27/2025  12:49 AM    <DIR>          -
04/24/2025  11:21 PM             130 a6.txt.txt
10/15/2003  10:32 AM            25,122 about-nls.txt
10/15/2003  10:32 AM             608 bugs.txt
10/15/2003  10:33 AM            18,318 copying.txt
10/15/2003  10:33 AM             912 credits.txt
10/15/2003  12:44 PM           980,992 cygiconv-2.dll
08/11/2003  12:15 AM            37,888 cygintl-2.dll
08/11/2003  02:39 AM           134,656 cygjpeg-62.dll
10/15/2003  12:45 PM           185,344 cygmcrypt-4.dll
10/15/2003  12:45 PM           134,656 cygmhash-2.dll
09/01/2003  07:16 PM           967,522 cygwin1.dll
08/09/2003  08:28 AM             61,440 cygz.dll
10/15/2003  10:33 AM             2,079 history.txt
10/15/2003  10:33 AM             6,841 LEAME.txt
08/23/2017  11:44 AM    <DIR>          locale
10/15/2003  10:34 AM           61,507 manual.pdf
10/15/2003  10:34 AM           63,678 manual_es.pdf
08/11/2017  06:17 AM           502,554 octopus.bmp
10/15/2003  10:33 AM             6,506 README.txt
10/15/2003  12:44 PM           595,968 steghide.exe
10/15/2003  10:33 AM             814 todo.txt
                20 File(s)          3,787,535 bytes
                3 Dir(s)  33,141,772,288 bytes free

C:\Tools\steghide>
```

5. Execute the command to display the contents of the file you revealed

```
3 Dir(s) 33,141,772,288 bytes free
```

```
C:\Tools\steghide>more a6.txt.txt  
What is your name and current date and timestamp?  
India Henry 6:10 pm 4/24/2025  
  
What is your expected grade in this course?  
B
```