

OLD DOMINION UNIVERSITY
CYSE 301 CYBERSECURITY TECHNIQUES AND OPERATIONS
ASSIGNMENT #6 – HIDE YOUR SECRET

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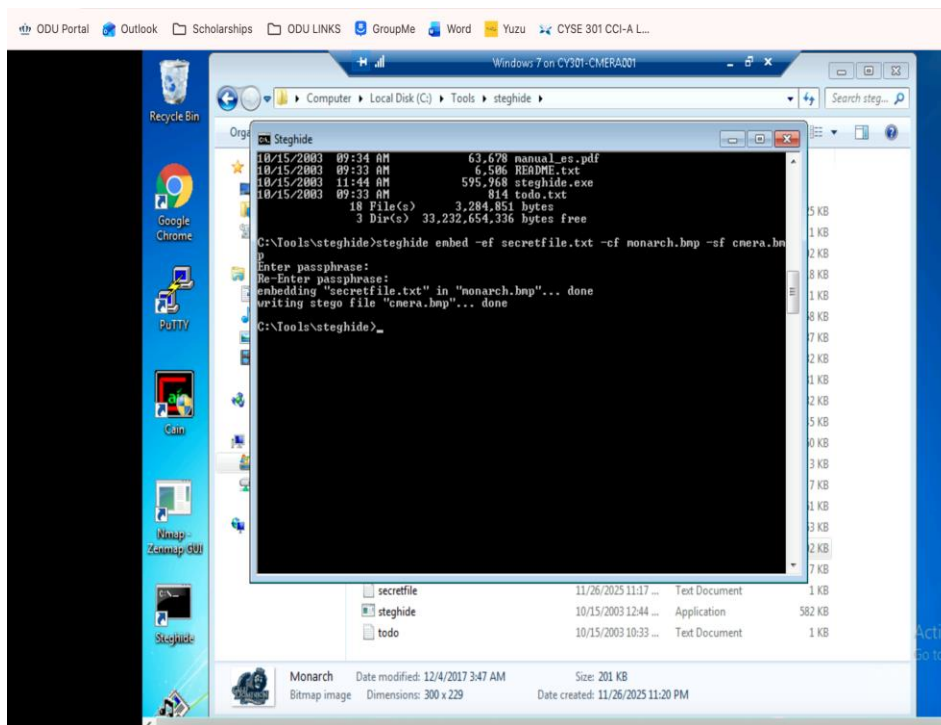
Task A

Explain what steganography is and how it differs from cryptography?

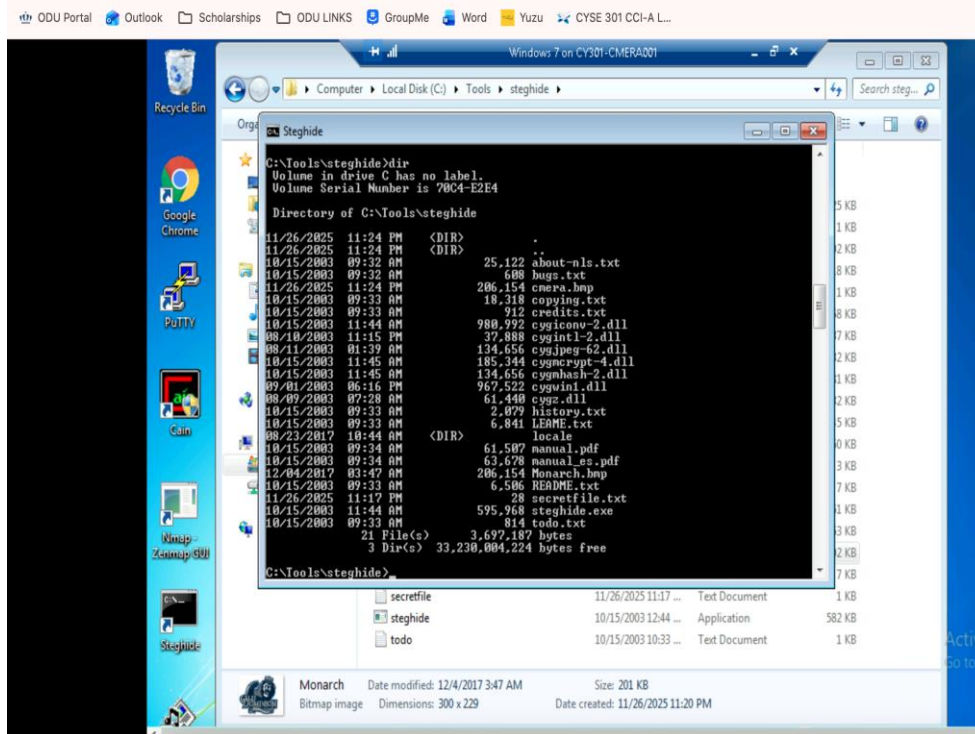
The origin of the word steganography is secret writing. In cryptography, the data is encrypted and unreadable, while in steganography there is no evidence of its existence.

Task B

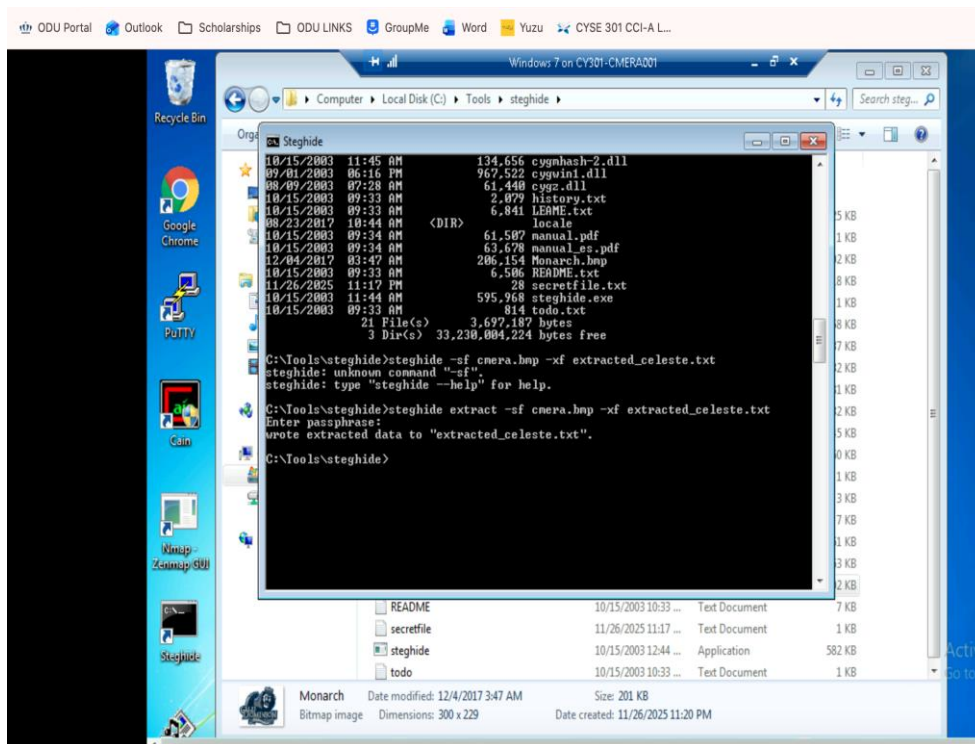
I created the secretfile.txt containing the answers to the two questions. I hid the text file into monarch.bmp and used cmera.bmp as the stego file. My password was my uin.



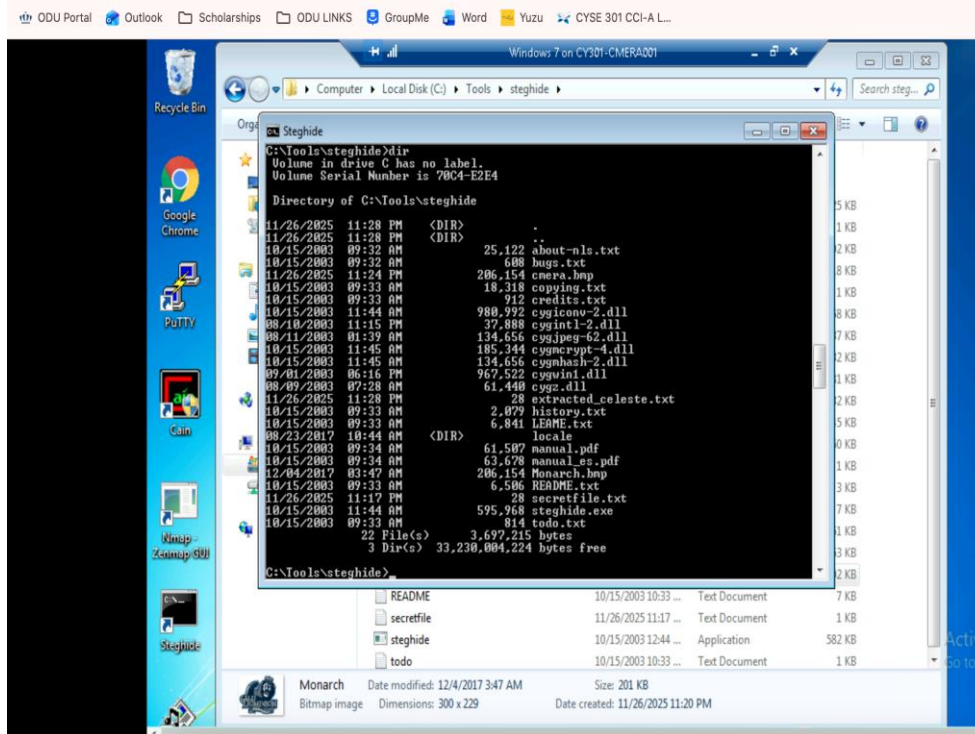
I used the “dir” command to confirm that the file cmera.bmp was created.



I used the “steghide extract” command to extract the secret message and save it in the file “extracted_celeste.txt”



I used the “dir” command to confirm that the extracted_celeste.txt file was created.



I used the “type” command to display the contents of the extracted file.

