

Task 3: Encryption Hands-on (Deadline: Jan 23 11:59pm)

Encrypt and decrypt a message using OpenSSL.

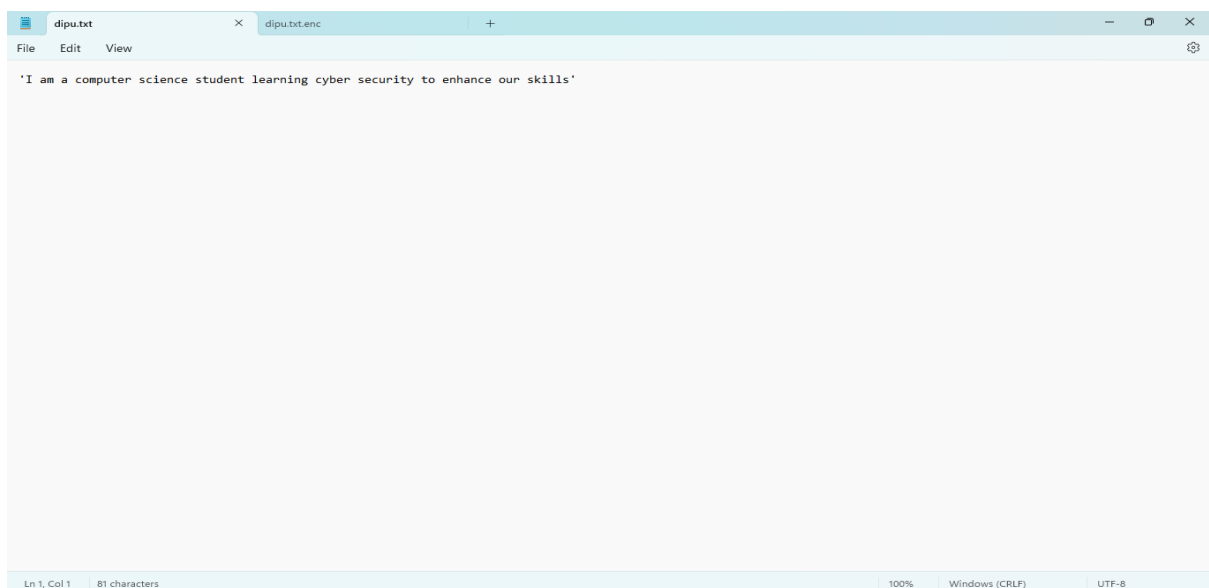
- Install OpenSSL (if not installed already)

Encrypt a text file: openssl enc -aes-256-cbc -salt -in message.txt -out encrypted.txt

Decrypt it: openssl enc -d -aes-256-cbc -in encrypted.txt -out decrypted.txt

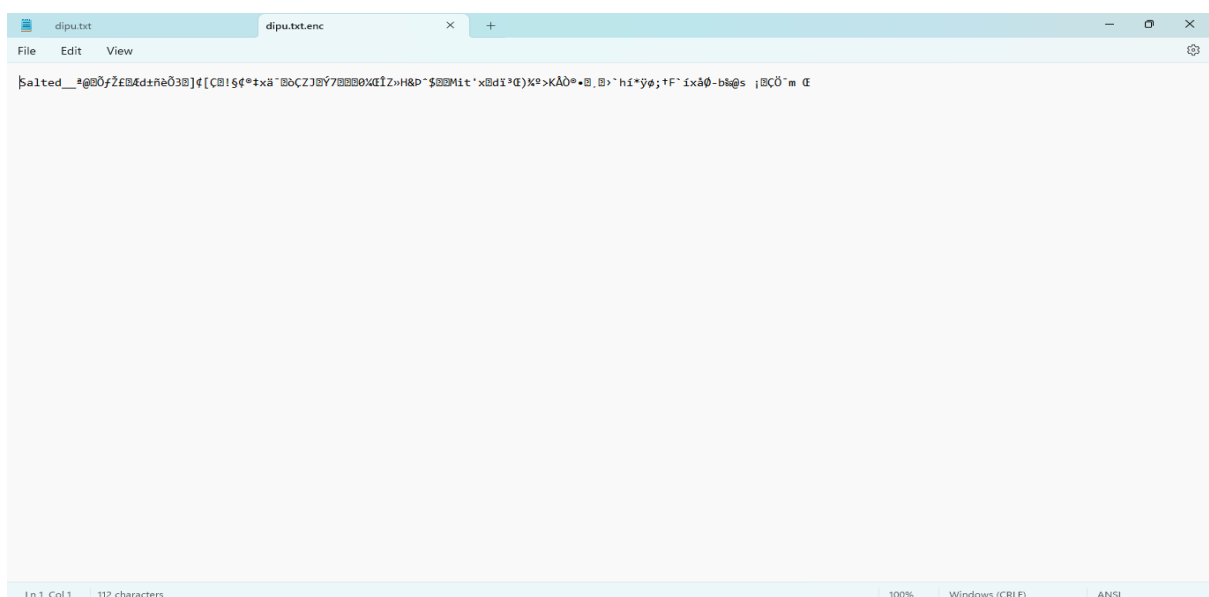
Submission: embed screenshots of the encrypted and decrypted file and cmd execution in ms word and after saving it as pdf , upload it in day 3 branch of WEEK 1 Repo.

Original File :



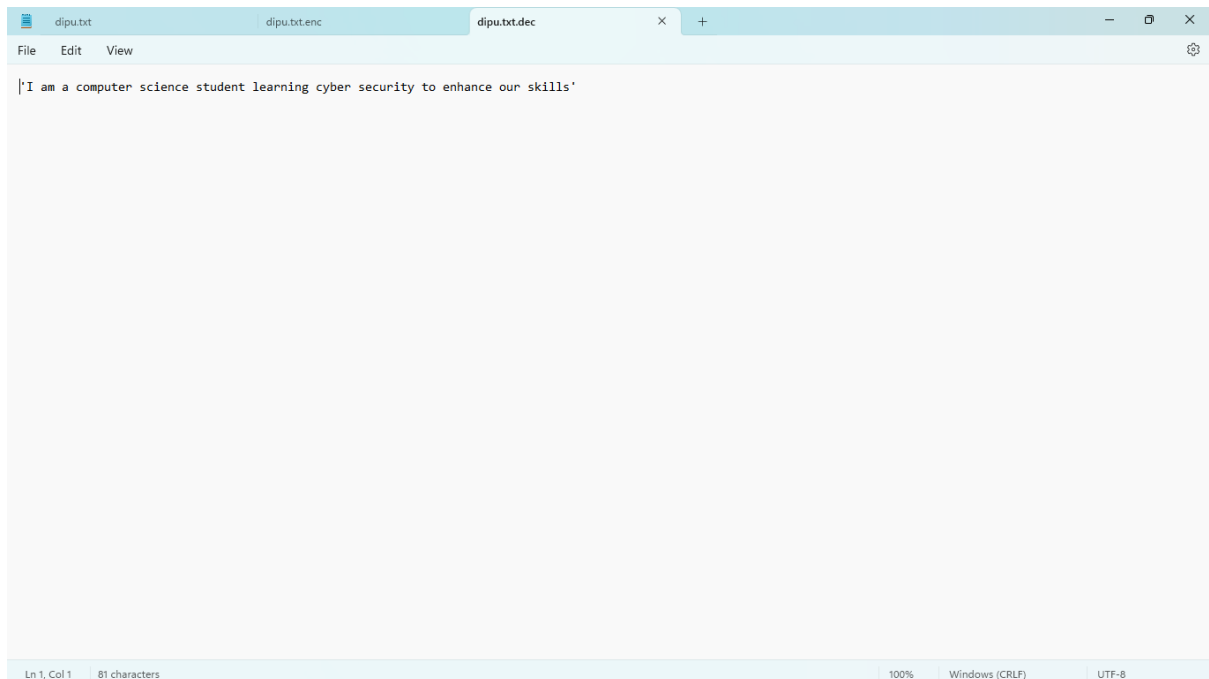
A screenshot of a text editor window with two tabs: 'dipu.txt' and 'dipu.txt.enc'. The 'dipu.txt' tab is active, showing the text: 'I am a computer science student learning cyber security to enhance our skills'. The status bar at the bottom indicates 'Ln 1, Col 1' and '81 characters'.

Encrypted File:



A screenshot of a text editor window with two tabs: 'dipu.txt' and 'dipu.txt.enc'. The 'dipu.txt.enc' tab is active, showing the encrypted content as a long string of base64-encoded characters. The status bar at the bottom indicates 'Ln 1, Col 1' and '112 characters'.

Decrypted File:



Cmd Execution :

