CS 5158 Project 1

- 1. The OS that I used is Windows and I used Windows PowerShell to run my code.
- 2. I used Python version 3.8 to write and run my code.
- 3. Encrypt Function:
 - a. To run Encrypt function:
 - i. python.exe encryptOTP.py "path of key""path of plaintext" "path of ciphertext"
 - b. To run Decrypt function:
 - i. python.exe decryptOTP.py "path of key""path of ciphertext" "path of result file"
 - c. To run keygen function:
 - i. python.exe keygen.py "key length" "path of new key"

Encrypt Output:

Decrypt Output:

PS C:\Users\hungn\Documents\otp_M10290670> python.exe decrypt0TP.py "C:\Users\hungn\Documents\otp_M10290670\data\key.txt" "C:\Users\hungn\Documents\otp_M10290670\data\ciphertext.txt" "C:\Users\hungn\Documents\otp_M10290670\data\result.txt"
P3 in text is: hear

Keygen output(with different values):