I used Pycharm to code the hill cipher.

Before running the program, make sure there is numpy module downloaded in Pycharm.

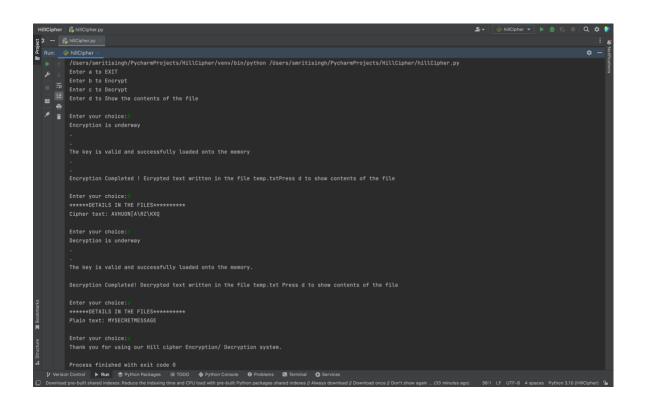
This program does encryption as well as decryption.

For encryption:

- Step 1: The program reads the key.txt file to fetch the key.
- STEP 2: The program converts the key into a matrix.
- STEP 3: The program then reads the message.txt file to fetch the plain text.
- STEP 4: The program creates the plain text into a matrix.
- STEP 5: The program then performs encryption and write the encrypted text onto the temp.txt file.

For decryption:

- Step 1: The program first creates an inverse of the key matrix used for encryption.
- STEP 2: The program then reads the cipher.txt file to fetch the cipher text.
- STEP 3: The program creates the cipher text into a matrix.
- STEP 4: The program then performs decryption and write the decrypted text onto the temp.txt file.



MYSECRETMESSAGE

message.txt

