Pseudo code for Vigenere Cipher Decryption

string user\_msg, user\_key  
string encrypt\_msg  
string new\_key  
int choice

DO

Output: Please select from the following options. <<ENDL

1. Encrypt a message. <<ENDL
2. Decrypt a message. <<ENDL
3. Exit the program. <<ENDL

Input : choice

While choice isn’t 1 or 2

Output : That is not a valid option. <<ENDL

Please choose again. << ENDL

Enter Choice:

Input: choice

Input: If choice == 1:

Validation: If there is any other encrypt it clears it

Output: <<ENDL Enter message to be encrypted: << ENDL

Input: user\_msg

Output: Enter a keyword for decryption: <<ENDL

Input: user\_key

[Program Runs Encryption Process in the background…]

Output: Your key for this message is: << new\_key << ENDL

Your encrypted message is: << encrypt\_msg << ENDL

keyword << ENDL

Else If choose == 2:

Output: <<ENDL << What would you like to decrypt? << ENDL

1. Decrypt last message. <<ENDL
2. Input a message for decryption <<ENDL

Enter choice:

Input: choice

While choice isn’t 1 or 2

Output: That is not a valid option. Please choose again

Input: choice

If choice == 1

Output: The key for this message is: << makekey <<ENDL

The decrypted message is: << decrypt() <<ENDL

Else

Output: Enter message to be decrypted: << ENDL

Input: sec\_msg

Output: Enter key word for decryption << ENDL

Input: sec\_key

Output: Your decrypted message is: 🡪 << de\_crypt()

Else

Output: Thank you for using this program

While choose != 3

Clear() //deletes everything created.