3. Code

3.1. Repository link
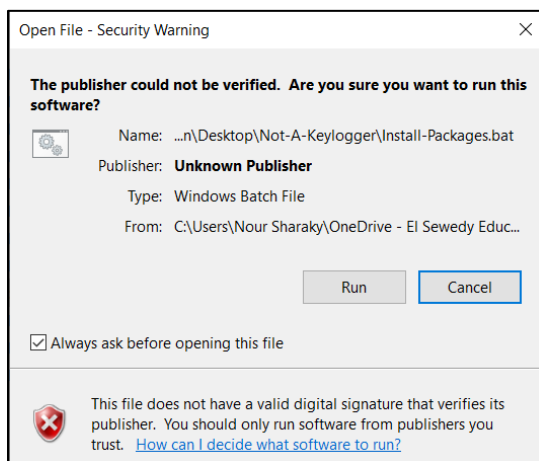
https://github.com/znahamama/Key_Logger

Filename	Type	Purpose
Initial files: before running the code		
Install-Packages	Windows Batch File	- Install all libraries used in the program
KeyLogger	Python file	- Main code where keylogging, clipboard logging, screen capturing, writing to files, sending emails are executed.
KeyDictionary	Python file	- Contains a dictionary storing the key-values for special keyboard characters. - To be imported in Keylogger.py.
New files: after running the code		
Clipboard	Text Document	- Contains a log what the user copied since running the code.
Full_Log	Text Document	- Contains a full log of all keystrokes recorded.
Formatted_Full log	Text Document	- Contains a formatted more readable form of Full_log.txt.
Encrypted_Full log	Text Document	- Contains an encrypted version of Full_Log.txt.
Decrypted_Full log	Text Document	- Contains a decrypted version of Encrypted_Full log.txt using key.key.
key	KEY file	- Contains the key by which the Full_Log.txt was encrypted and decrypted.
Screenshots	File folder	- Contains PNG screenshots of the user's screen.
Data	Compressed (zipped) folder	- A zipped folder containing all the new files mentioned above. - To be sent to the input email.

3.2. Instructions

To activate the program, the user would have to follow a set of simple steps:

1) Download the ZIP folder containing the program's files found on GitHub.

2) Extract the files from the ZIP folder, the user would find three files: Install-Packages.bat, KeyLogger.py, and KeyDictionary.py.

3) **Install-Packages.bat:**

1) Double click on the file, then choose run.

2) Wait for libraries to install.

3) When the libraries are done installing, press enter to close the file.

4) KeyLogger.py:

1) Double click on the file to run.

2) A Sticky-Note window would pop up, the user should feel free to make use of its function to type notes.
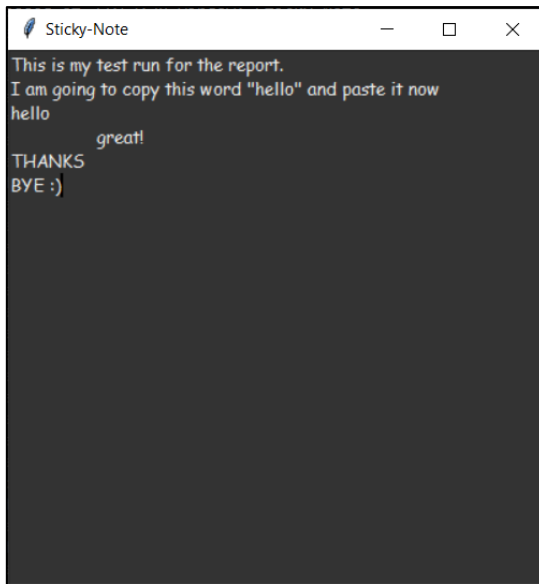
3) The user would continue to use their computer normally while the keylogger operates in the background until the user closes the Sticky-Note window.

4) Once the user exits the Sticky-Note window, a Review window appear. In which the user could input an email and leave a review then press submit. If the user does not input an email, an email would be sent to a test email (address: assignment.randomcode@gmail.com, password: K3yl0gg3r_F@ll_B2ck).
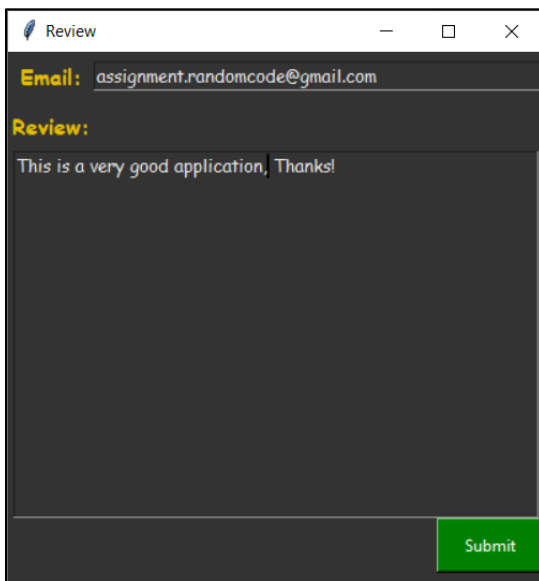
5) A few seconds after the user submits the Review, the user would receive an email containing the ZIP file with all log files. **(Email test case)**
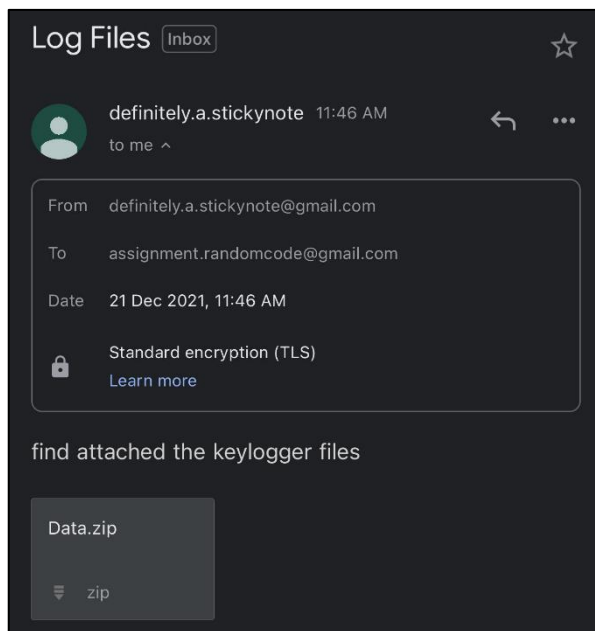
6) After extracting the Data.zip file, the user would find the following files: