<div align="center">How to Run the Code</div>

1.) Make sure you have the folder called *Shahzaib's Code*

2.) Navigate to the *Code* folder and type "cmd" into the path bar to launch the command prompt for that folder

3.) Type "code script.py" to open up the main script in VSCode

4.) Change the file paths for the input data (on lines 402 and 439) to match the file paths in your local system

5.) Return to the command prompt and run the file via "python script.py"
   a.) The first run of the code will be slower because it needs to launch the associated Excel file unless it's already open

<div align="center">To Do</div>

● Rewrite the RFM and summarization functions in Rust
● Use file streaming (via polars, Dask, or a similar library) to allow for a steady stream of netCDF files that will be turned into object files, which will then be fed into the data processing code.
   ○ Make this sub process more efficient via asynchronous programming (ex. use asyncio)
● Finish building the GUI
   ○ Design aspects (make it more user friendly and appealing)
   ○ Manage threads more efficiently to reduce overhead
   ○ Use asynchronous programming so that the GUI isn't frozen during processing