How to Use Gcode_Translator.py

Written for V1 of the software, last edited 9/14/2017 by Tyler Williams.
Written for the MPSCARA found here: https://www.thingiverse.com/thing:2487048

1. If you are new to Python, continue with the following substeps, otherwise continue to step 2.
    a. Download a Python-friendly IDE (Integrated Development Environment). A good one to start with is Thonny, which can be downloaded here: http://thonny.org/
    b. Install Thonny by running the .exe file that you downloaded from the website and follow the instructions on the prompt.
    c. If you are using Windows, right-click on the Gcode_Translator.py file, and select 'Edit with Thonny', or 'Edit with IDLE' and select 'Thonny' from the popup window.
    d. A new window should show up with the Gcode_Translator.py file open and ready to be used.
2. Drag and drop the gcode (.g or .gcode) file(s) that you wish to print into the software folder that is storing the python script and the two .txt files.
3. Open both text files. In targets.txt, type in the complete file names (including extensions) with a line break/enter separating each one. Gcode_Translator.py can translate any number of gcode files.
4. In settings.txt, edit the Upper Arm and Forearm values to match the measured lengths of both printed components. These lengths are to be measured from the little notches printed onto the pieces to ensure the most accurate print quality.
5. Leave most other settings alone for now.
6. Save and close both .txt files and run the python script (Little green arrow near the top left of Thonny), a new file with the '_MPSCARA' end tag should show up. That is the file that can be read by the MPSCARA robot.