1. Problem analysis: studying the problem to be solved
   - finding out how to create a program that converts weight using a GUI
2. Program specification: deciding what the program will do
   - convert weight
3. Design: write an algorithm in pseudo code
   - kilograms = pounds / 2.2
     grams = kilograms * 1000
     ounce = grams * 35.274
4. Implementation: translating the design into program code
   - putting the whole source code together. Defining the function using parameters, a body of the function, and to call the function in order to run.
5. Testing/debugging: finding and fixing errors in the program
   - once using the run function, made sure everything was error free and ran properly within the shell. If anything was a clear error, went back to the function and fixing anything that needed to be fixed.
6. Maintenance: keeping the program up to date with evolving needs
   - going back into the source code every so often and making sure everything is still up to date.