HW3 is due on Oct 13th, at 1pm (right before Thursday python class).

In this assignment you should be able to find a file called "Patient\_FBG\_2022.csv". This file has FBG (fasting blood glucose) values for 200 subjects across three years. For this assignment you need to write a program that finds the average FBG for each year of all patients. Your program should:

1. Read in the file and write out the answer to a ".txt".
2. Include at least one function within your script.

Your output should look like this (note that these are not the actual answers):

Average FBG for Year\_1: 121

Average FBG for Year\_2: 130

Average FBG for Year\_3: 107

Please make sure to submit both your script and the output .txt file to Brightspace.

A .csv file is just a plain text file uses comma as delimiter. You can open it in text editor to check what is inside. Please do not use modules such as csv, pandas, etc. to read and write.

**Bonus:**

There is another file called "Patient\_FBG\_2022\_with\_NAs.txt" under HW3. Please use this file as input, and:

1. Solve the same questions described above.
2. Calculate average FBG by person across 3 years and write results to a file. An example output would look like this:

Average FBG for patient\_1: 125

Average FBG for patient\_2: 110

Average FBG for patient\_3: 131

1. Submit your notebook and two output files to brightspace.

Modules such as csv, pandas, etc. are not allowed for reading and writing.