HOMEWORK 1

PYTHON EXERCISE

1. Convert solve2Deq.py in E3 into a function to be used for solving a 2D polynomial eq.

2. Use Python, find all the prime numbers between the integer 100 and 9000.

3. Write these prime numbers found, from large to small, into a text file named "your_name_prime_found.txt" in your local drive and folder like ".\\". Note that each line in the text file should contain 6 prime numbers. The last line can be less than 6 prime numbers.

4. Read your "your_name_prime_found.txt" that you just created, and find out how many of the prime numbers are between 3000 and 6000. Print your finding with your name and student ID on the computer monitor screen in such format:

   "I, name, ID, found number prime numbers between 3000 and 6000"

   For example,

   "I, John Smith, b123456789, found 133 prime numbers between 3000 and 6000"

5. Take a screenshot of this message and submit the text file, your Python code, to E3.