CS115 Introduction to Programming with Python

Objectives: Numpy using Jupyter notebook

The file `exam.csv` contains city_code, number of candidates who will enter English, French and German exams respectively.

The column headings in the data file describe the data stored in each column (open file with Excel, Notepad++, etc.).

1. Create a Python script that does the following:
   a. Transfer exam.csv data into a numpy array, data as integers. Use `np.loadtxt()`.
   b. Separate city codes and exam information into city and exams arrays.
   c. Store the total number of candidates who will enter in each city in total array.
   d. Find the index ind of the maximum total.
   e. Find the city code code with highest number of total candidates.
   f. Create an array query of those exam values with English exam more than the sum of French and German Exams.
   g. Create an array pos to store the indexes of those cities in exams array where either French exam candidates or German exam candidates are more than English exam candidates.
   h. Add 10 more candiates to English and German exam candidates in exams array and after merging city codes with exams array write the data to a new file newdata.txt.