ITLAB-162 IMSc(Life-Sci, HealthPsy, Optometry) and IMA Economics
Assignment - 6 (10 Marks)

Submission in Class - 19 April 2023

First write down the method as a sequence of steps in the Text Cell. And then start coding.

1. The marks obtained by a class of students on the scale [0, 100] in 2 subjects is available as a 2-column matrix (Take your own example or you can generate using the random function). Plot the histogram of the marks binning into 10 bins with marks range on the X-axis and the number of students who fall within that range on the Y-axis. You should have title on the X-axis and a legend for the 2 subjects. (Use hist method from matplotlib)

2. Given a text file, create a dictionary whose keys correspond to the unique words in the file and the values correspond to the number of times each word appears in the file. (Note: Make all the words into lower case, and remove the special symbols and then create the word list for further processing.)