**Assignment 5 (due date: 12/04/2022)**

In this assignment you will ask to do coding in C using file I/O, and character and string functions (Chapters 8 and 11). Please be descriptive and comprehensive and avoid short and ambiguous answers. Answers that are ambiguous will reduce your grades. There is a file in the course materials on Canvas (the one that we used in the class), that you need to download and work with.

Please submit your assignment into Canvas. Please submit the codes as .c files (ready to compile).

Q1: Please write a code that use the string and character functions to do followings from the C\_Language.txt file:

a: print the number of digits, alphabets, lower case alphabets, upper case alphabets, spaces, punctuations, and graphs (as it is defined in the ctype.h library) in the C\_Language.txt file.

b: Convert all the upper-case characters to lower-case case and all the lower-case to upper-case in the C\_Language.txt and write it to C\_Language\_convert.txt

Q2: Please write a code to count the number of words (any token that are separated by SPACE) in the C\_Language.txt file.