Introduction to Programming – IT110 – Lab Manual

Instructions:

- 1. Maintain a journal for this course.
- 2. Attempt all questions, and get yourself evaluated for them through a TA.

Lab 8

Write a C program for the following problems

Problem 1:

Convert the input string into all lowercase letters. (Note: Input string can have any ASCII characters including uppercase, lowercase, punctuations etc)

Problem 2:

Implement the following string functions in your own C program:

- strcmp(s1, s2) returns 1 if s1 > s2, -1 if s1 < s2 and 0 if s1 equals s2
- strstr(lrgstr, smlstr) index of 1st occurrence of smlstr into lrgstr

Problem 3:

Check if a given square matrix is Upper Triangular Matrix and print appropriate message.

	a11	a12	a13	•••	a1n-1	l a1n
	0	a22	a23		a2n-1	La2n
Upper Triangular Matrix (U) =	0	0	a33	•••	a3n-1	L a3n
	0	0	0		0	ann