IT 209: Lab Manual

Lab 3

General Instructions:

- Students are required to maintain a lab notebook for this course.
- At the end of each lab, the students will be graded on the scale of 10.
- Take home assignments has to be submitted to the following e-mail id day before the next lab session.

    it209.co@gmail.com

- Keep subject as <student_id>, Lab#<lab_number>. Write all program codes in one text file with proper indentation and order. Name text file same as subject of your mail.

Target Device: NXP LH75400

Tasks:

1. Count the number of alphabets in a string.

2. Create a stack which starts address from 0x5000 and contain 5 values, and stack pointer always points to the uppermost value.

3. Write a code to find the multiplication of 10 numbers stored consecutively starting from 0x4000.

Take-Home Assignments:

a) Perform block transfer of 10 numbers from memory location 0x4000 to 0x8000.

b) Write a code to find count of even numbers from 8 numbers stored consecutively starting from 0x4000.