**LAB 6**

**Task#1**

1. Write a program that prompt to the user to enter two decimal digits then display them and their sum on the next line if sum is less than 10 and If sum is greater than or equal to 10 then display a message “ THE SUM IS GREATER THAN TEN”

**Sample execution:**

PLEASE ENTER TWO DECIMAL DIGITS: **15**

THE SUM OF **1** AND **5** IS **6**

PLEASE ENTER TWO DECIMAL DIGITS: **95**

THE SUM IS GREATER THAN TEN

**Task#2**

Input two (single digit) numbers (store them into registers or variables only if they are digit) and one arithmetic operator (only these operators: +, -); perform the operation and display result.

**Sample execution:**

Type two digits and an operator: 52-

5-2 = 3

**Task#3**

Write an assembly language program that reads 10 characters from user and displays them in Capital case.

**Task#4**

Input an Alphabet in Uppercase (i.e. no other character can be input) and display next 10 (previous) letters.

**Sample Execution:**

**ENTER AN ALPHABET: B (input by user)**

**NEXT 10 ALPHABETS IN UPPER CASE ARE: CDEFGHIJKL (output)**

**NEXT 10 ALPHABETS IN LOWER CASE ARE: cdefghijkl (output)**

**TASK#5**

**Question # 8 at page 115 of Assembly Language Programming and Organization of the IBM PC by Ytha Yu.**

**Task#6**

1. Write a program to prompt the user to enter a line of text. One the next line, display the lower case letter entered that comes first alphabetically and the one that comes last. If no lower case letters are entered, display “No lower case letters”.

**Sample execution:**

Type a line of text: the quick brown fox jumped.

First Lower Case Letter = b

Last Lower Case Letter = x

**Important Notes:**

**Make Sure that you have not saved your program in M drive(your ftp)**

**Properly Commented Program will get Extra Marks**

**The output of your program should be same as given in sample execution**

**You have just one hour to Do this Task**

**Be Prepared for a detailed viva**

**DO NOT COPY OTHERWISE YOU WILL BE AWARDED ‘ZERO’ IN ALL PREVIUOS LABS**