**Computer Organization and Assembly Language**

**LAB 11**

# Task 1:

Write a subroutine which takes ***three parameters, address of string, row and column number***. Display the string in ***reverse order*** ***ending*** at that location defined by row and column number. Calculate the size of string initially.

**Note: your code must contain std, cld, lodsb and stosw instructions**

Formula:

location = ( row \* 80 + col ) \* 2

Forexample:

Let

String: db ‘I am a Pakistani citizen’,0

Row: db 1

Col: db 24

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# Task 2:

Write a subroutine which compares two strings, ***display the count of same characters and exits where first mismatch occur.***

Let

String\_1: db ‘ABC193zxy&\*^’,0

String\_2: db ‘ABC123zxy&\*^’,0

Display 🡪4