# CSE 214: Assembly Language Programming Section: B1 (Offline)

# Problem Specification

## Write a program in assembly language (8086) that does the following:

## Clear the screen to *black* and move the cursor to the *lower left* corner.

## Let the user type a *string (combination of upper, lower case letters and spaces)*.

## For output, clear the input line and move the cursor to *row 12, column 0*.

## Display the string in the following way:

### Display the count of spaces at *center of the screen (row 12, column 39)*.

### While displaying, convert all the *lower case letters to upper case*; keep the upper case letters unchanged.

### *Skip the spaces*; display the *1st letter at row 12, column 0; 2nd letter at row 13, column 1; 3rd letter at row 12, column 2; 4th letter at row 13, column 3* and so on.

## Use *80 × 25 display*. For MDA, display the string in *reverse video*.

## Display the string in *red letters (at row 12)* and in *green (at row 13)* on a *white background; count of spaces should be in black*.

# Sample Input & Output

## Input: Cse Buet EXAM

## Output:

## C E U T X M S B E E A 2 // (assume, it is center)

# Submission:

## Date: 09/06/13 (Sunday)

## To:

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## Guideline:

### Any submission after June 09 will NOT be considered in any situation.

### Your file should be named as “B1\_StudentID.asm”.

### If your code is similar with any other, no matter how, it will marked by 0.