CSCI516: Program 2 – as a HW. The program is due by November 20 ,2012 5PM.
Points will be cut for late submission.

Write an Assembly language Program whose input is your FAMILY NAME, SID and a LID as decimal numbers. The program must:
- reverse the SID and write your FAMILY NAME with capital letters;
- find the sum of the SID and its reverse;
- determine whether the sum is odd or even number.

On a clear screen and separate lines the program must provide the following outputs, if your SID has a last digit of:

> 0, 4, 5 – do as required in 0);
> 1, 6, 7 - do as required in 1);
> 2, 3, 8, 9- do as required in 2).

0) **Your name, and SID;**
Your inverse SID and capitalized family name

Prompt the user with:
Press S to see whether the sum of my SID and its inverse is odd:
(In a new line show the sum and the following text: ***The sum is*** "***odd***" if the number is odd, otherwise write "***even***".

1) **Your name, and SID;**
The sum of your SID and its inverse, capitalized family name

Prompt the user with:
Press E to see the inverse of my SID and whether it's sum with the original SID is odd or even:
(In a new line show the inverse of your SID and the following text: ***The sum is*** "***odd***" if the number is odd, otherwise write "***even***".

2) **Your name, and the capitalized family name;**
Your SID, its inverse and the sum of the two.

Prompt the user with:
Press O to see whether the sum of my SID and it's inverse is odd or even:
(In a new line show the inverse of your SID and the following text: ***The sum is*** "***odd***" if the number is odd, otherwise write "***even***".

Submit the following files of your program through the On-line DropBox by Tuesday November 20, 2012, 5PM:
Use the following convention for naming the files:
Prg2_LID.ASM, Prg2_LID.LST, Prg2_LID.OBJ, Prg2_LID.EXE.

The notion LID means your List ID number.