

CSCI516: Program – as a HW. The program is due by April 10 if the On-Line system is working or in class on April 15,2015 if the Oh-Line is not available. Points will be cut for late submission.

Write an Assembly language Program whose input is your FAMILY NAME and your SID as decimal number. 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.

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 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**

Prompt the user with:

Press E to see my capitalized family name and whether my SID is odd or even:

(In a new lines show your capitalized family name 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.**

Prompt the user with:

Press O to see whether the sum of my SID and its invers is even:

(In a new line show the inverse of your SID and the following text: *The sum is “even”* if the number is odd, otherwise write “*odd*”.

Submit the following files of your program through the On-line DropBox by February April 10, 2015, 6:30PM.

If the On-line DropBox is not available bring you program during the lecture on April 15, 2015:

Use the following convention for naming of the files:

Prg_LID.ASM, Prg_LID.LST, Prg_LID.OBJ, Prg_LID.EXE.

The notion LID means your List ID number.