**Getting acquainted with assembly language and the linking process**

**Assignment Description**

We provide you with a simple program written in C that receives a string from a user.  
Then, this program calls a function written in assembly language (which you need to implement) that receives a (pointer to) a null terminated character string as an argument. Your code should operate on the string as follows:

* Convert lower case to upper case.
* Convert ‘(’ into ‘<’.
* Convert ‘)’ into ‘>’.
* Count the number of the non-letter characters, that is ANY character that is not 'a'->'z' or 'A'->'Z', including ‘n’ character (Note: characters that are not letters,’(‘ or ‘)’ will remain as they are)

The function returns the counter.  
The characters conversion should be **in-place**.

Example:

> myexe.out  
42: heLL() WorLd!  
42: HELL<> WORLD!  
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**What We Provide**

The attached files:

* Main.c As explained above.
* Myasm.s Contains skeleton code that you need to modify.

**Submission Instructions**

You are to submit a report.