1. Develop a assembly program named assignment3-1.asm. It has a function to count the length of a string (msg db "Hello, world!") until null terminator is found (hints, using loop). The main function calls the function and prints the length of the string.

After compiling and linking the assembly program to produce assignment3-1.exe, double clicked assignment3-1.exe, it is gonna show you the length of the string:
The length of the string:

2. Develop a assembly program named assignment3-2.asm. It has a function to print out all ASCII character set (hints, using loop and pushing and poping rcx).

After compiling and linking the assembly program to produce assignment3-1.exe, double clicked assignment3-1.exe, it is gonna show you the ASCII character set.