Lab 3b - Loop Instructions

Re-submit Assignment

Due Jan 30 by 9pm   **Points** 15   **Submitting** a file upload   **File Types** asm

---

	CIS 020 **Assembly Programming** **Laboratory Assignment 3b**
Instructor	Mark Berrett January 30, 2020
Assignment	Loop Instructions Control program flow using loop commands in a Macro Assembler program.
Purpose	Create code that uses performs looping flow control. Use the *cx* register for loop control.
Instructions	1. **Create a text file that will be used as an assembly language source file and call the file:** Lab3bII.asm Substitute your initials for II. 2. **Insert the proper project documentation at the top of the file.** 3. **Create a string variables to be used in the program.** Create a variable named *str_out* that contains the characters:

'The quick brown fox jumped over the lazy dog*'

Note that the string is deliberately terminated incorrectly so that the regular string display command will not work.

4. **Display the string from step 3.**

   Display each character in the string on the console in a single line.

   Use a looping technique to traverse the string.

   Do not display the terminating character *.

5. **Display a carriage return/line feed combination at the end of the program.**

6. **Insert descriptive code comments.**

Submit	Submit your source file, Lab3bII.asm to the *Submit Assignment* link in the upper right of this page.

Lab 3b Grading Rubric

Criteria	Ratings			Pts
Code	**8.0 pts** **Correctly performs operations**	**1.0 pts** **Performs operations, but not using coding conventions**	**0.0 pts** **Syntax or logic errors**	8.0 pts
Project documentation	**4.0 pts** **Good documentation and code comments**		**0.0 pts** **Missing or poor documentation**	4.0 pts
File name	**1.0 pts** **Correct**	**0.0 pts** **Incorrect file name**		1.0 pts
File	**2.0 pts** **Correct file submitted**	**0.0 pts** **Incorrect file, late or no submission**		2.0 pts
			Total Points: 15.0	