

Lab 3a - Flow Control

Re-submit Assignment

Due Jan 28 by 9pm **Points** 15 **Submitting** a file upload **File Types** asm

CIS 020 Assembly Programming Laboratory Assignment 3a	
Instructor	Mark Berrett January 28, 2020
Assignment	Flow Control Control program flow using jump commands in a Macro Assembler program.
Purpose	Create code that uses conditional and unconditional jump commands. Compare the results of an operation to control program flow.
Instructions	<ol style="list-style-type: none">1. Create a text file that will be used as an assembly language source file and call the file: <div>Lab3aII.asm</div> Substitute your initials for II.2. Insert the proper project documentation at the top of the file.3. Create variables to be used in the program. Create two integers and set their values to 03h and 04h.

Create two strings and set their values to:

'Integer 1 plus integer 2 is greater than 5\$'

'Integer 1 plus integer 2 is NOT greater than 5\$'

4. Add the two integer variables.

Store the results in a register.

5. Compare the sum of the two variables to 05h.

If the sum is greater than 05h, then display the first message string.

If the sum is not greater than 05h, then display the second message string.

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

7. Insert descriptive code comments.

Submit

Submit your source file, Lab3aII.asm to the *Submit Assignment* link in the upper right of this page.

Lab 3a 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					