


Lab 1b - DOSBox

Re-submit Assignment

Due Jan 16 by 9pm **Points** 10 **Submitting** a file upload **File Types** asm

CIS 020 Assembly Programming Laboratory Assignment 1b	
Instructor	Mark Berrett January 16, 2020
Assignment	DOSBox Install DOSBox and MASM on a thumb drive and test the installation with a Macro Assembler program that uses Interrupt 21.
Purpose	Install DOSBox on student's thumb drive. Install Microsoft Macro Assembler 6.11 on student's thumb drive. Configure and test DOSBox and MASM. Write and debug program in Macro Assembler. Insert proper project documentation and code comments for assembly language source code. Send text to the console. Properly end the program.
Instructions	1. Perform the steps outlined in Installing DOSBox Portable and MASM 6.11.

	<ol style="list-style-type: none"> 2. Perform the steps outlined in Setting up MASM 6.11 to Run Under DOSBox. 3. Test DOSBox with a template.asm  source file. 4. Create a text file that will be used as an assembly language source file and call the file: 1b.asm (Long filenames are not allowed in DOS or DOSBox, so shortcuts will be used in the first part of this class. 5. Insert the proper project documentation at the top of the file. 6. Create a public data segment. Create a stack segment of 64 bytes. Create a public code segment and initialize the stack segment. 7. Create a string variable that will hold preset text. 8. When the program runs, display the preset text on the console. 9. Terminate the program using interrupt 21. 10. Insert descriptive code comments.
Submit	Submit your 1b.asm file to the Submit Assignment link in the upper right of this page.

Lab 1b Grading Rubric

Criteria	Ratings			Pts
Code	3.0 pts Correct	0.0 pts Text does not display or program does not terminate correctly		3.0 pts
Project documentation	2.0 pts Missing or incorrect		0.0 pts Missing or incorrect	2.0 pts
Code comments	2.0 pts Complete and accurate		0.0 pts Missing or incorrect	2.0 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: 10.0				