## **HW 2-1**

ep 2 at 3:30pm Points 12.5 Questions 5 Available until Sep 2 at 3:30pm Time Limit No	Sep 2 at 3:30pm Points 12.5 Questi	Points 12.5 Questions 5 Available until Sep 2 at 3:30pm Time Limit
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This quiz was locked Sep 2 at 3:30pm.

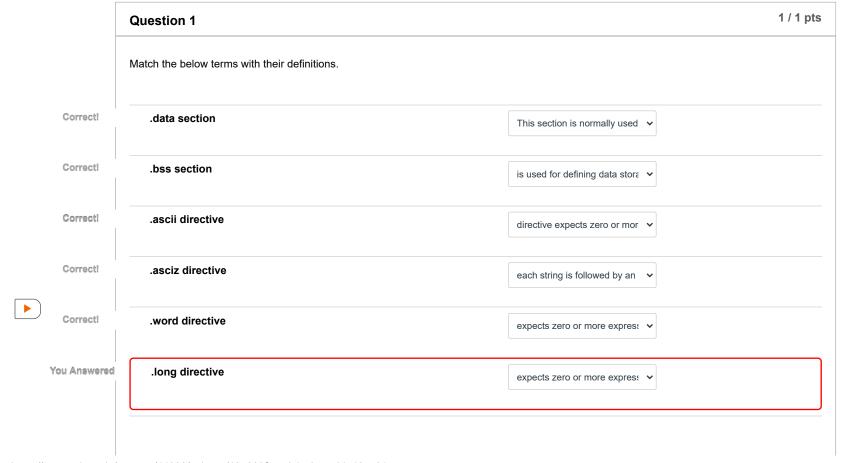
## **Attempt History**

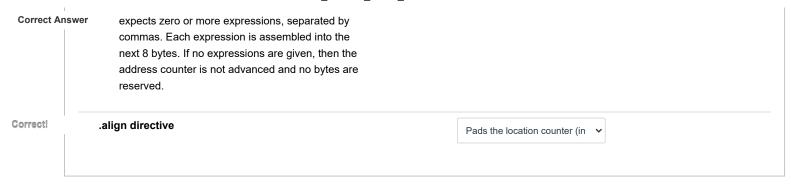
	Attempt	Time	Score
LATEST	Attempt 1	1,628 minutes	11.5 out of 12.5

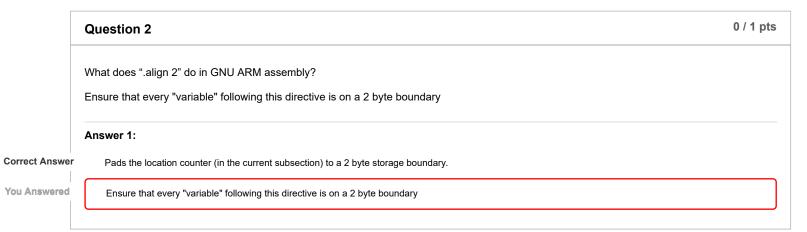
Score for this quiz: 11.5 out of 12.5

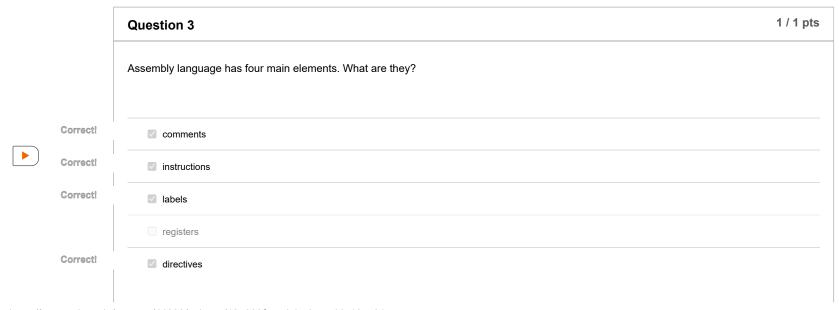
Submitted Sep 1 at 8pm

This attempt took 1,628 minutes.









☐ data			
lines of code			

	Question 4	1 / 1 pts
	What is the total memory, in bytes, allocated for the following variables?	
	.word expressions .long expressions For the ARM processor, these two directives do exactly the same thing. They expect zero or more expressions, separated by commas. They will emit four bytes for each expression given. If no expressions are given, then the address counter is not advanced and no bytes are reserved.	
	var1: .word 23 var2: .long 0xC expr: .ascii ">>"	
Correct!	10	
Correct Answei	10 (with margin: 0)	

Question 5 8.5 / 8.5 pts

Complete the below memory map for the 3 variables shown in problem 2.5. This is the exact same problem that I worked in class on the whiteboard. Don't forget the note in problem 2.5 regarding .long.

EXPLICIT INSTRUCTIONS. Left column is only addresses, each column afterward is a single byte in which you put the **2-digit hex value** that is stored there. The uppermost (left) address is 0x00404000. You must preface your addresses with 0x. Hint: Just copy/paste the first address that I provide and use as a template). Addresses must show all 8 hex digits (NO EXCEPTIONS). Remember memory is in little-endian which affects all non-strings, non-char, variables. Fill any unused bytes in memory with 00.

## MEMORY

0x00404000	17	00	00	00	0C	00	00	00

	0x00404008	3E	3E	00	00	00	00	00	00
	Answer 1:				ı				
Correct!	17								
	Answer 2:								
Correct!	00								
	Answer 3:								
Correct!	00								
	Answer 4:								
Correct!	00								
	Answer 5:								
Correct!	0C								
	Answer 6:								
Correct!	00								
	Answer 7:								
Correct!	00								
	Answer 8:								
Correct!	00								
	Answer 9:								
Correct!	0x00404008								
	Answer 10:								
Correct!	3E								
	Answer 11:								
Correct!	3E								
	Answer 12:								
Correct!	00								
	Answer 13:								

Correct!	00	
	Answer 14:	
Correct!	00	
	Answer 15:	
Correct!	00	
	Answer 16:	
Correct!	00	
	Answer 17:	
Correct!	00	

Quiz Score: 11.5 out of 12.5

