# **Module 2 Summary Exercises**

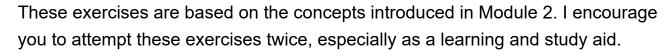
**Due** Apr 11 at 11:59pm **Points** 33 **Questions** 23

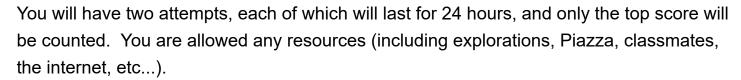
Available Apr 4 at 12am - Apr 11 at 11:59pm 8 days

Time Limit 1,440 Minutes Allowed Attempts 2

## Instructions

### Instructions





Good luck!



Take the Quiz Again

# **Attempt History**

	Attempt	Time	Score	
LATEST	Attempt 1	37 minutes	32.75 out of 33	

Score for this attempt: **32.75** out of 33

Submitted Apr 8 at 8pm

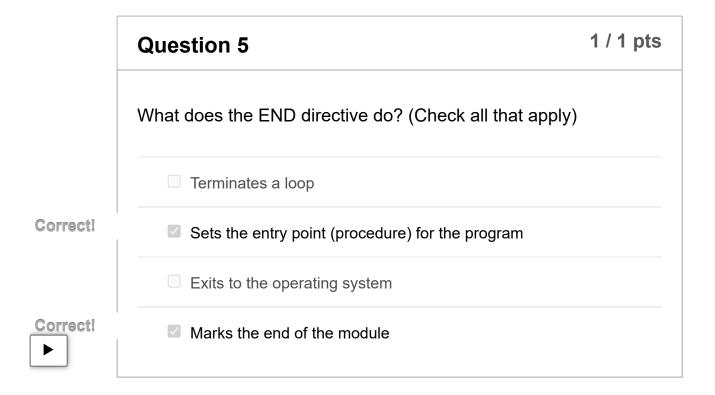
This attempt took 37 minutes.

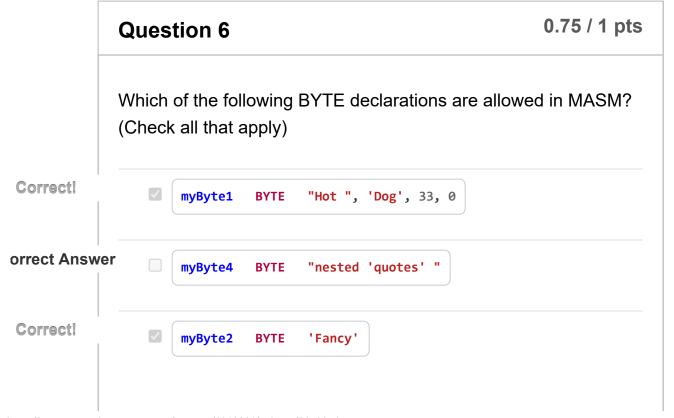
Question 1	1 / 1 pts
------------	-----------

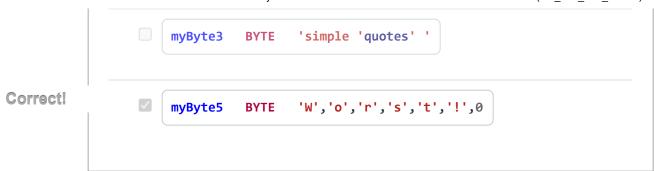
Groups of bytes in memory can only be interpreted a single way.

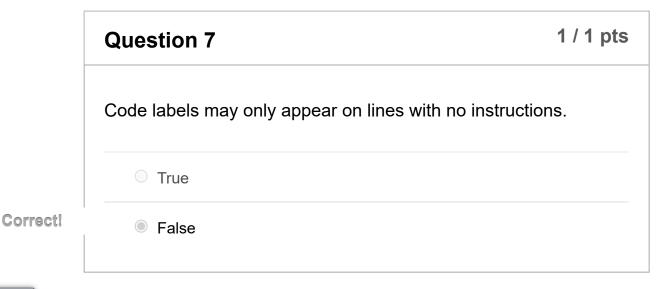
orrect Answers 8 (with margin: 0)

4/8/2021











Correct!

# By default, code labels are visible only within the procedure in which they are assigned (created). True False

# Question 9 1 / 1 pts

	Which of the following is <b>NOT</b> a valid MOV operation? Table 4-1 might be helpful. (check any/all that apply)		
	MOV reg,reg		
	☐ MOV mem,reg		
Correct!	MOV imm,imm		
	☐ MOV reg,imm		
Correct!	MOV mem,mem		
	☐ MOV reg,mem		
Correct!	MOV imm,mem		
•	☐ MOV mem,imm		

Question 10		1 / 1 pts
After the following	ng instruction sequence, show	w the values of the
Carry <sup>1</sup>	, Zero 0	, and Sign
1	flags	
mov al,5 cmp al,7		
Answer 1:		

Correct! 1
Answer 2:

Correct! 0
Answer 3:

## Question 11 1 / 1 pts

Suppose that you are given the following program. What <u>decimal</u> value does the **AX** register hold when *someProcedure* is called?

```
.data
    DWORD
            153461
    BYTE
    BYTE
            90
.code
main PROC
  MOV
        AH, y
  MOV
        AL, z
  CALL someProcedure
  INC
        EAX
  MOV
        EBX, z
 XOR
        EAX, EBX
  exit
main ENDP
END MAIN
```

- 23077
- 9037

### Correct!

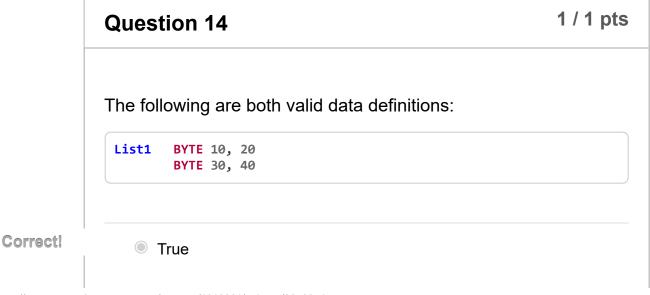
- 9562
- 3790

	Question 12	3 / 3 pts
	After the following MASM code is executed:	
	MOV EAX, 37 MOV EBX, 23 MOV ECX, 11 ADD EAX, EBX SUB EAX, ECX	
	What is the decimal value in the EAX register? 49	
	What is the decimal value in the EBX register? 23	
	What is the decimal value in the Ecx register? 11	
<b>•</b>	Answer 1:	
Correct!	49	
	Answer 2:	
Correct!	23	
	Answer 3:	
Correct!	11	

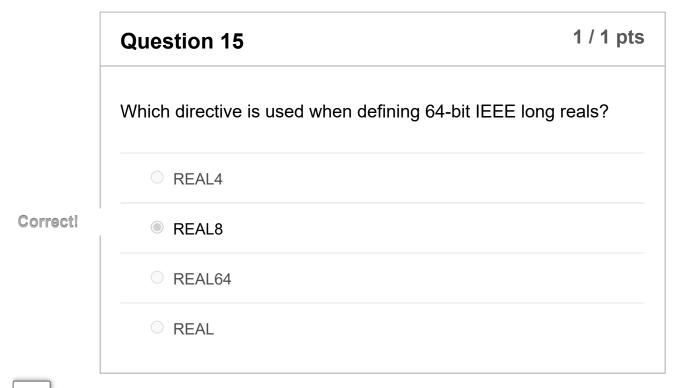
Question 13 3 / 3 pts

After the following MASM code is executed:

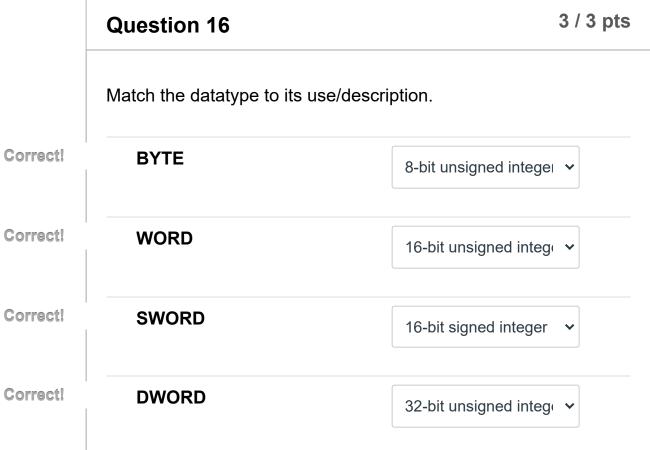
```
MOV
                      EAX, 149
                MOV
                      EBX, 7
                MOV
                      EDX, 0
                DIV
                      EBX
             What is the value in the EAX register (in decimal)?
              21
             What is the value in the EBX register (in decimal)?
              7
             What is the value in the EDX register (in decimal)?
              2
             Answer 1:
Correct!
                 21
             Answer 2:
    ect!
                 7
             Answer 3:
Correct!
                 2
```

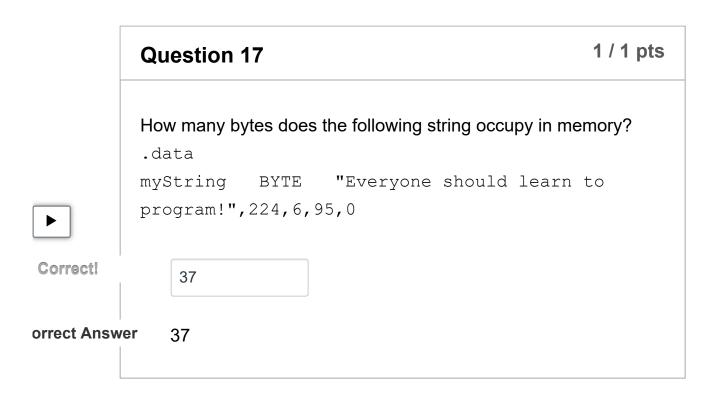


False









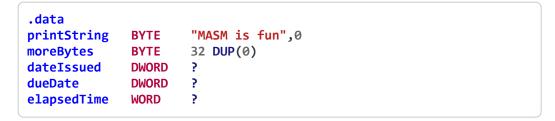
### 3 / 3 pts **Question 18** The following data segment starts at memory address 2300h (hexadecimal) .data printString **BYTE** "Assembly is fun",0 48 DUP(0) moreBytes BYTE dateIssued **DWORD** ? dueDate ? **DWORD** elapsedTime **WORD**

	What is the hexadecimal address of dueDate?	
	○ 2368h	
	O 2340h	
	O 2310h	
Correct!	© 2344h	

### Question 19

3 / 3 pts

The following data segment starts at memory address 1300h (hexadecimal)



What is the hexadecimal address of dueDate?

1348h

### Correct!

- 1330h
- 132Ch
- 130Ch

	Question 20	1 / 1 pts
	Which register contains the starting address of data w DumpMem?	hen calling
	○ EAX	
Correct!	© ESI	
	O EDX	
	O ECX	
	○ EBX	
	O EDI	
<b>•</b>		
	Question 21	1 / 1 pts
	Which library procedure reads a 32-bit signed decimal from standard input?	l integer
Correct!	ReadInt	
orrect Answ	/ers ReadInt	

Question 22 1 / 1 pts

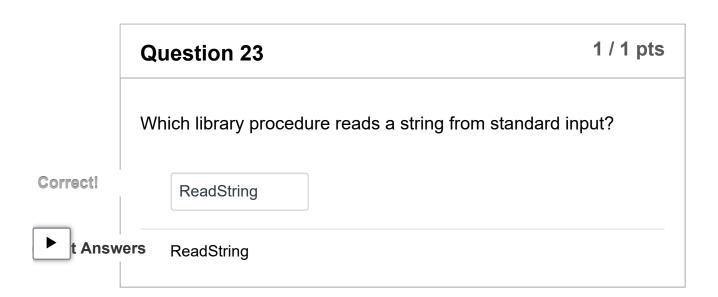
Which library procedure displays the CPU flags and 32-bit registers?

Correct!

DumpRegs

orrect Answers

DumpRegs



Quiz Score: 32.75 out of 33