Module 2 Summary Exercises

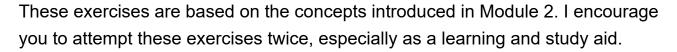
Due Apr 11 at 11:59pm **Points** 33 **Questions** 23

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

Time Limit 1,440 Minutes Allowed Attempts 2

Instructions

Instructions



You will have two attempts, each of which will last for 24 hours, and only the top score will be counted. You are allowed any resources (including explorations, Piazza, classmates, the internet, etc...).

Good luck!



Attempt History

	Attempt	Time	Score	
KEPT	Attempt 2	20 minutes	33 out of 33	
LATEST	Attempt 2	20 minutes	33 out of 33	
	Attempt 1	37 minutes	32.75 out of 33	

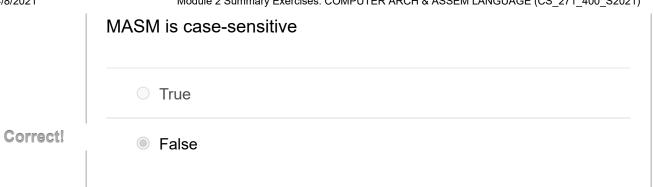
Score for this attempt: 33 out of 33

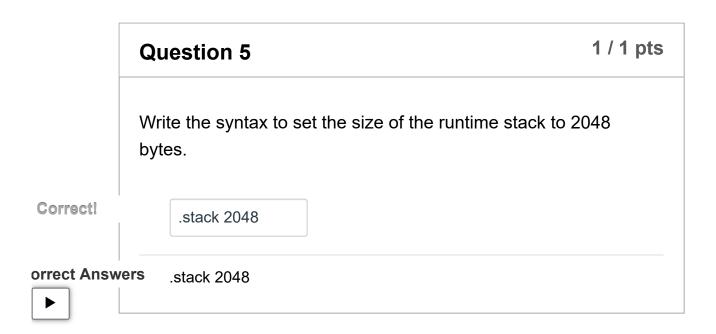
Submitted Apr 8 at 8:28pm

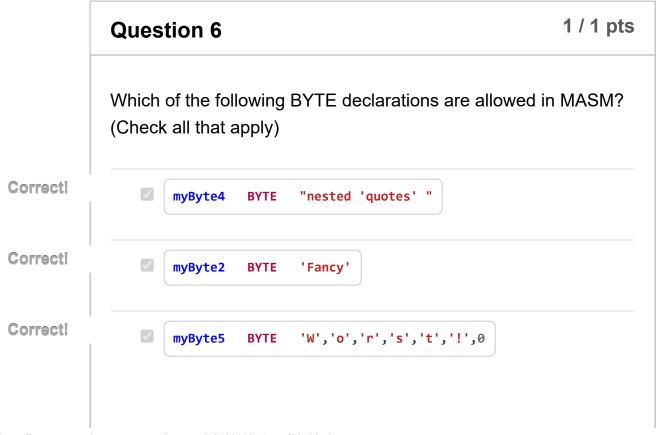
This attempt took 20 minutes.

Question 1	/ 1 pts
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How many **bytes** long is a SQWORD on x86 systems?

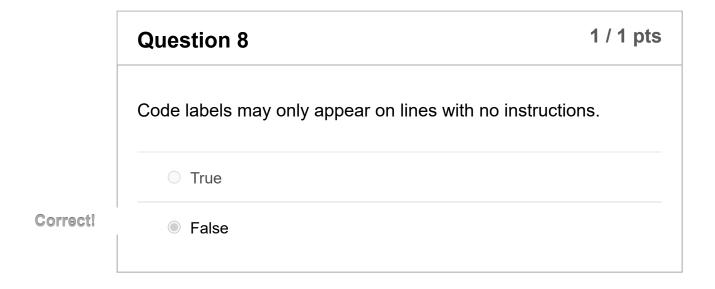








In MASM all text following a semicolon (on the same line) is treated as a comment and ignored when the program is converted to machine code. Correct! False



Question 9 1 / 1 pts

Which of the following is **NOT** a valid MOV operation? Table 4-1 might be helpful. (check any/all that apply)

Correct!

- MOV imm,mem
- MOV mem,reg
- MOV mem,imm

Correct!

- MOV imm,imm
- MOV reg,mem
- MOV reg,imm

Correct!

- MOV mem,mem
- MOV reg,reg



Question 10

1 / 1 pts

Which answer choice shows the correct values of the Carry, Zero, and Sign flags after the following instructions execute?

- \bigcirc CF = 1, ZF = 0, SF = 0
- \bigcirc CF = 1, ZF = 0, SF = 1

Correct!

Question 11

1 / 1 pts

Select the answer choice that best implements the following expression. Do not permit dword1, ECX, or EDX to be modified:

For reference, NEG EAX will replace the value in EAX with its two's complement (e.g. 14d becomes -14d, or -20d becomes 20d).

$$eax = -dword1 + (edx - ecx) + 1$$

mov ebx,edx
sub ebx,ecx
add eax,ebx

o inc eax

mov eax, dword1

neg eax

sub edx, ecx

neg dword1

add eax, edx

o inc eax

Correct!

mov eax, dword1

neg eax

mov ebx,edx

sub ebx,ecx

add eax,ebx

inc eax

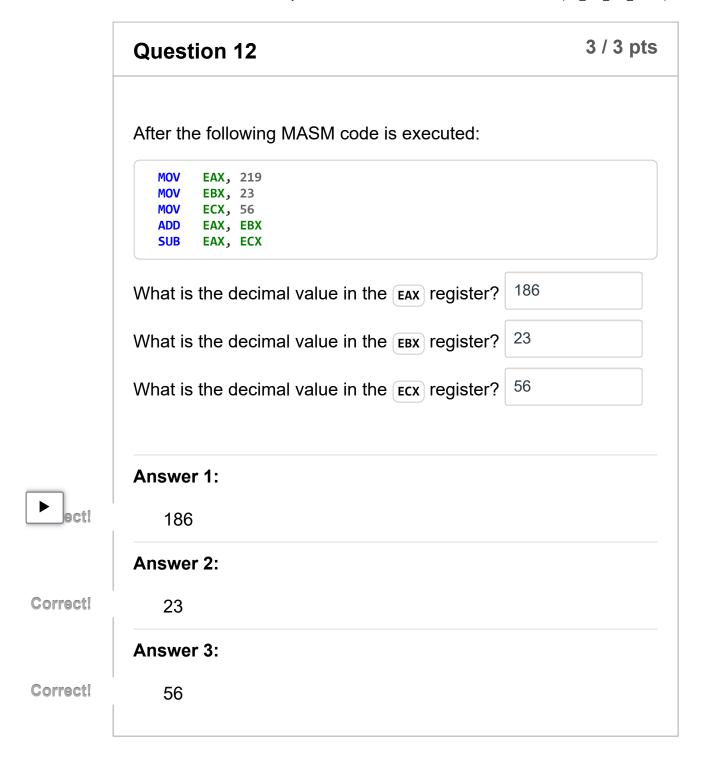
mov eax, dword1

mov edx, ebx

sub ebx, ecx

add eax, ebx

o inc eax

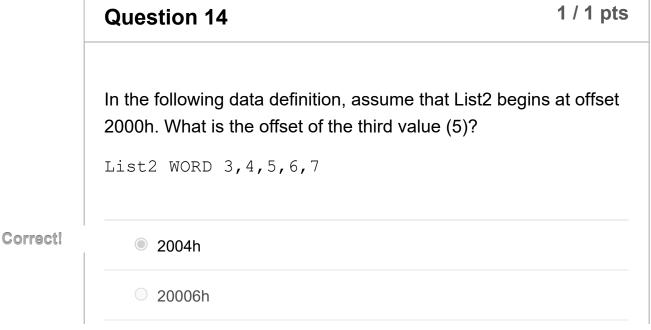


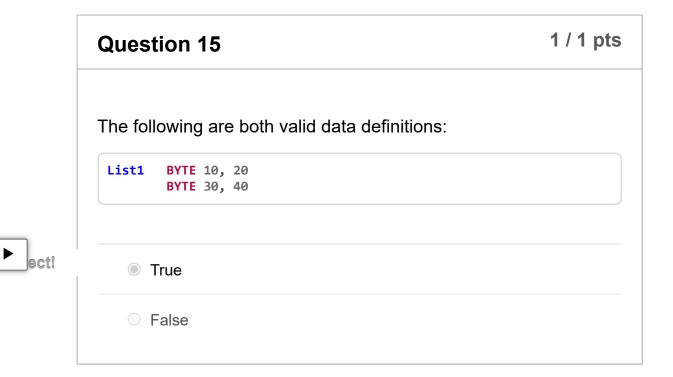
```
Question 13

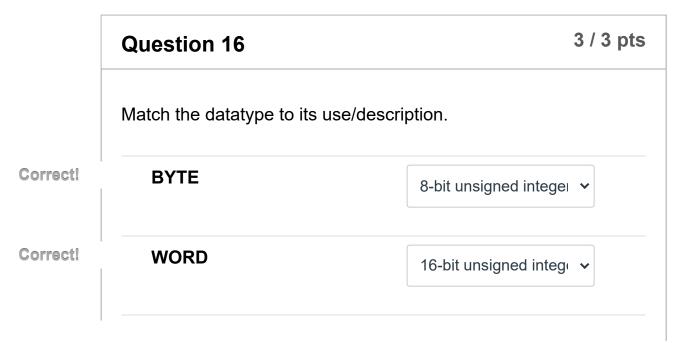
After the following MASM code is executed:

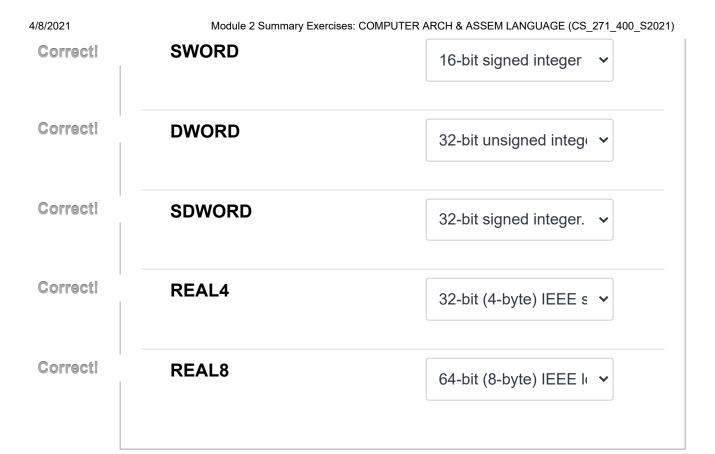
MOV EAX, 93
MOV EBX, 13
```

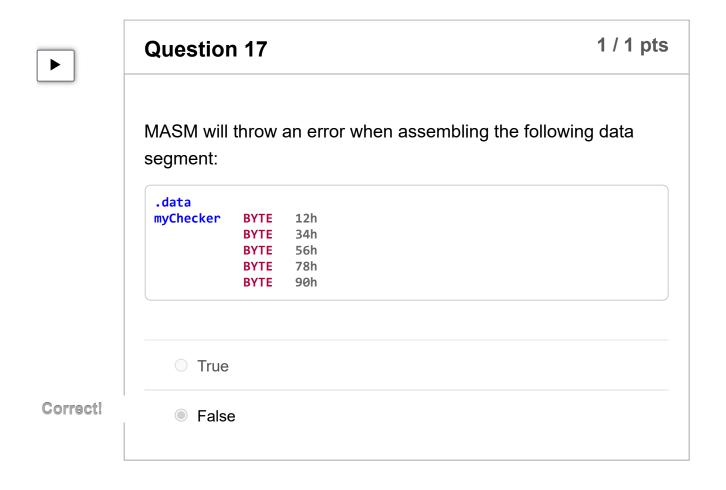
0/2021	Module 2 duffillary Exercises. Odini o lett Attori & Addelini EANODAGE (00_211_400_02021)
	MOV EDX, 0 DIV EBX
	What is the value in the EAX register (in decimal)?
	What is the value in the EBX register (in decimal)?
	13
	What is the value in the EDX register (in decimal)?
	2
0 41	Answer 1:
Correct!	7
	Answer 2:
Correct!	13
	Answer 3:
Correct!	2











Question 18

3 / 3 pts

The following data segment starts at memory address 4400h (hexadecimal)

```
.data
                     "Assembly is fun",0
printString
             BYTE
                     28 DUP(0)
moreBytes
             BYTE
dateIssued
             DWORD
                     ?
dueDate
             DWORD
                     ?
             WORD
                     ?
elapsedTime
```

What is the hexadecimal address of dueDate?

- 4448h
- 442Ch
- 4430h
- 4410h

Correct!

Question 19

3 / 3 pts

The following data segment starts at memory address 1100h (hexadecimal)

```
.data
printString BYTE "MASM is fun",0
moreBytes BYTE 48 DUP(0)
dateIssued DWORD ?
dueDate DWORD ?
elapsedTime WORD ?
```

What is the hexadecimal address of dueDate?

Which library procedure writes an unsigned 32-bit integer to standard output in hexadecimal format? WriteHex WriteHex WriteHex WriteHexB

Which register contains the starting address of data when calling DumpMem?

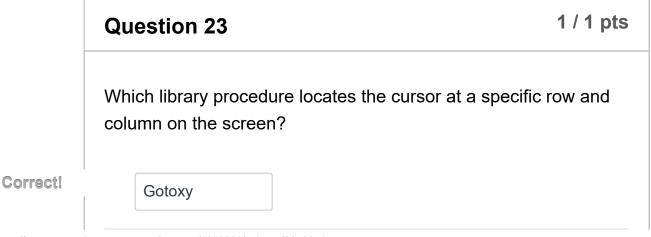
ECX

ESI

EAX

0 E	DI
0 E	BX
© E	DX

Which register should contain an unsigned integer before calling WriteDec? EDX EDI EAX EBX ESI ECX



orrect Answers Gotoxy

Quiz Score: 33 out of 33

