Assignment #2 - Data Representation Worksheet

Due Sep 7 at 5:30pm **Questions** 5 Points 5 Available until Sep 7 at 5:30pm **Time Limit None**

This quiz was locked Sep 7 at 5:30pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	1,716 minutes	3.76 out of 5

Score for this quiz: **3.76** out of 5

Submitted Sep 7 at 2:58pm

This attempt took 1,716 minutes.

Data Representation Worksheet

Note, the answers for this worksheet are available from the debugger.

Question 1

0.67 / 1 pts

Assignment #2 - Byte Variables

Note 1, must proceed hex value with **0x**.

Note 2, must proceed binary value with **0b**.

Decimal values do **not** need leading 0's. The binary and hex must be of the appropriate size.

What is the value for **bVar1**:

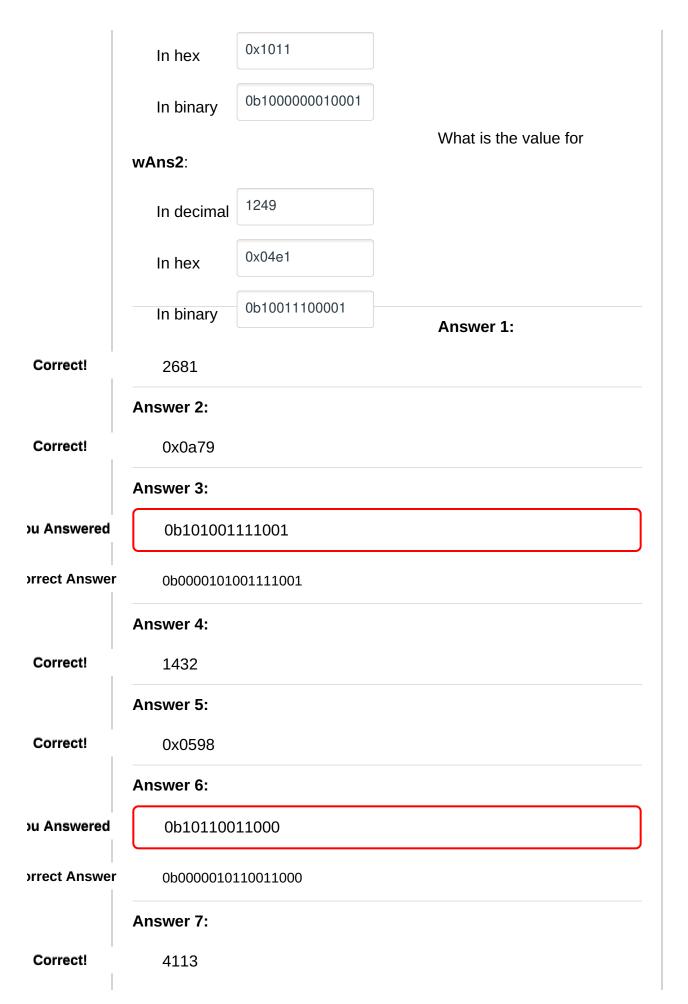
12/16/22, 11:02 AM 1 of 13

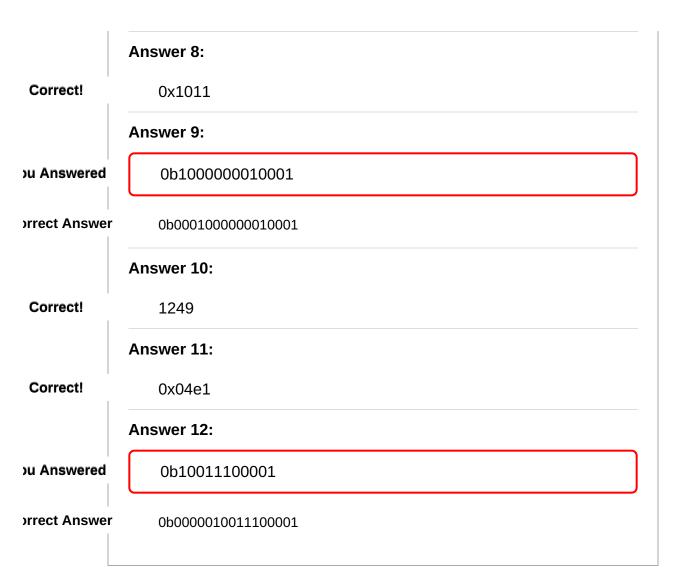
	In decimal	59		
	In hex	0x3B		
	In binary	0b111011		
	What is the val	ue for bVar2 :		
	In decimal	21		
	In hex	0x15		
	In binary	0b10101		
	What is the val	ue for bAns1 :		
	In decimal	80		
	In hex	0x50		
	In binary	0b1010000		
	What is the val	ue for bAns2 :		
	In decimal	38		
	In hex	0x26		
	In binary	0b100110	Answer 1:	
Correct!	59			
	Answer 2:			
Correct!	0x3b			

	Answer 3:
ou Answered	0b111011
orrect Answer	0b00111011
	Answer 4:
Correct!	21
	Answer 5:
Correct!	0x15
	Answer 6:
ou Answered	0b10101
orrect Answer	0b00010101
	Answer 7:
Correct!	80
	Answer 8:
Correct!	0x50
	Answer 9:
ou Answered	0b1010000
orrect Answer	0b01010000
	Answer 10:
Correct!	38
	Answer 11:
Correct!	0x26
	Answer 12:



Question 2			0.67 / 1 pts
Assignment	t #2 - Word Varia	ables	
	nust proceed hex va		
	values do not need of the appropriate s	_	ne binary and hex
What is the val	ue for wVar1 :		
	2681		
In decimal	2001		
In hex	0x0a79		
In binary	0b101001111001		
What is the val	ue for wVar2 :		
In decimal	1432		
In hex	0x0598		
In binary	0b10110011000		
What is the val	ue for wAns1 :		
In decimal	4113		



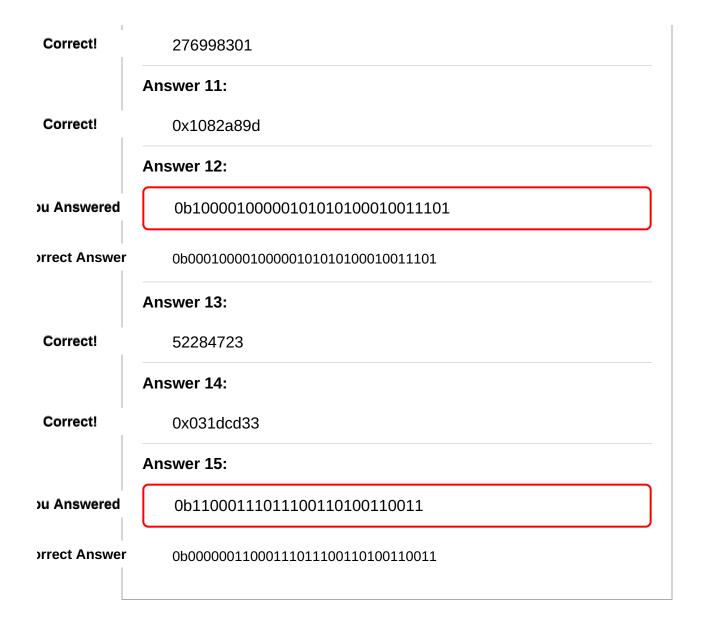


Assignment #2 - Double-Word Variables Note 1, must proceed hex value with 0x. Note 2, must proceed binary value with 0b. Decimal values do not need leading 0's. The binary and hex must be of the appropriate size. What is the value for dVar1: In decimal 164641512

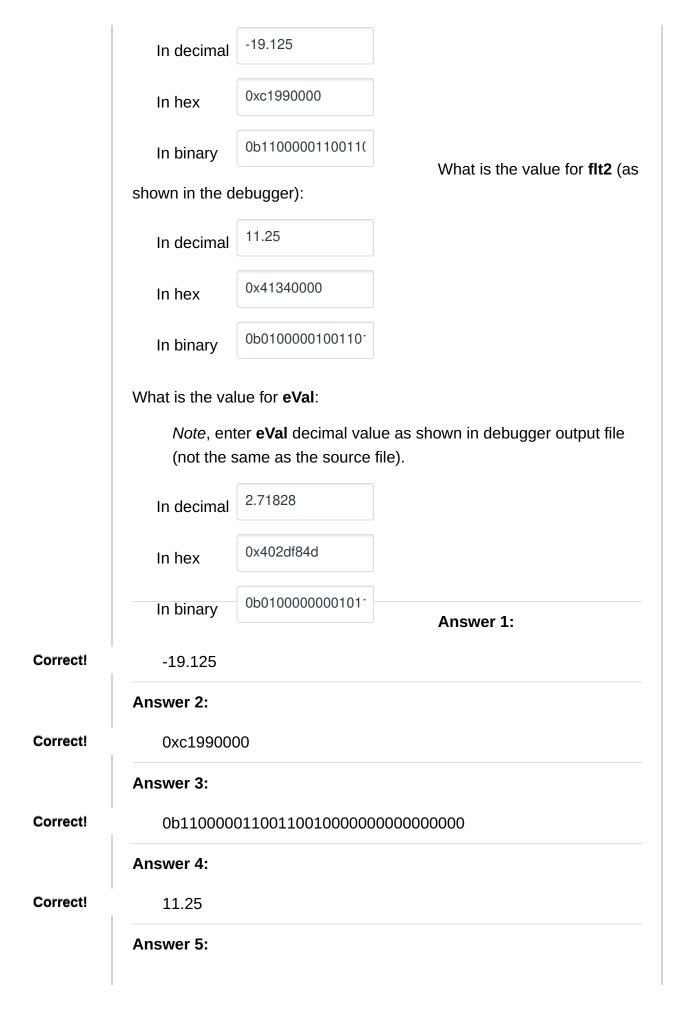
Correct!

In hex	0x09d03ae8	
In binary	0b10011101000000	
•		What is the value for dVar 2
In decimal	112356789	
In hex	0x6b26db5	
In binary	0b11010110010011	
What is the val	ue for dVar3 :	
In decimal	-46524	
In hex	0xfff4a44	
In binary	0b111111111110 ⁻	
What is the val	ue for dAns1 :	
In decimal	276998301	
In hex	0x1082A89D	
In binary	0b1000010000010 ⁻	
What is the val	ue for dAns2 :	
In decimal	52284723	
In hex	0x031dcd33	
In binary	0b11000111011100	Answer 1:
164641512	2	

	Answer 2:		
Correct!	0x09d03ae8		
Correcti			
	Answer 3:		
ou Answered	0b1001110100000011101011101000		
orrect Answer	0b00001001110100000011101011101000		
	Answer 4:		
Correct!	112356789		
	Answer 5:		
ou Answered	0x6b26db5		
orrect Answer	0x06b26db5		
	Answer 6:		
ou Answered	0b1101011001001101101101101		
orrect Answer	0b000001101011001001101101101101		
	Answer 7:		
Correct!	-46524		
	Answer 8:		
ou Answered	0xfff4a44		
orrect Answer	0xffff4a44		
	Answer 9:		
ou Answered	0b1111111111110100101001000		
orrect Answer	0b1111111111111110100101001000100		
	Answer 10:		



Assignment #2 - Float Variables Note 1, must proceed hex value with 0x. Note 2, must proceed binary value with 0b. Decimal values do not need leading 0's. The binary and hex must be of the appropriate size. What is the value for flt1:



Correct!	0x41340000
	Answer 6:
Correct!	0b0100001001101000000000000000000
	Answer 7:
ou Answered	2.71828
orrect Answer	2.71828008
	Answer 8:
Correct!	0x402df84d
	Answer 9:
Correct!	0b0100000001011011111100001001101

Question 5		1 / 1 pts
Assignment #2 - C	haracter/String Variables	i e
•	ceed hex value with 0x . e quotes for ASCII characters.	
What is the value for m	yClass: (first six characters on	ly):
In ASCII (char 1)	С	
In ASCII (char 2)	S	
In ASCII (char 3)	-	Answer 1:
In ASCII (char 4)	2	

	I		
	In ASCII (char 5)	1	
	In ASCII (char 6)	8	
	In hex (char 1)	0x43	
	In hex (char 2)	0x53	
	In hex (char 3)	0x2D	
	In hex (char 4)	0x32	
		0x31	
	In hex (char 5)		
	In hex (char 6)	0x38	
Correct!	C		
	Answer 2:		
Correct!	S		
	Answer 3:		
Correct!	- I		
	Answer 4:		
Correct!	2		
	Answer 5:		
Correct!	1		
	Answer 6:		
Correct!	8		
	Answer 7:		
	I		

	Answer 8:	
Correct!	0x53	
	Answer 9:	
Correct!	0x2d	
	Answer 10:	
Correct!	0x32	
	Answer 11:	
Correct!	0x31	
	Answer 12:	
Correct!	0x38	

Quiz Score: 3.76 out of 5