

Assignment #2 - Data Representation Worksheet

Due Sep 7 at 5:30pm **Points** 5 **Questions** 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**:

In decimal

59

In hex

0x3B

In binary

0b111011

What is the value for **bVar2**:

In decimal

21

In hex

0x15

In binary

0b10101

What is the value for **bAns1**:

In decimal

80

In hex

0x50

In binary

0b1010000

What is the value for **bAns2**:

In decimal

38

In hex

0x26

In binary

0b100110

Answer 1:**Correct!**

59

Answer 2:**Correct!**

0x3b

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

You Answered

0b100110

Correct Answer

0b00100110

Question 2**0.67 / 1 pts****Assignment #2 - 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 **wVar1**:

In decimal

2681

In hex

0x0a79

In binary

0b101001111001

What is the value for **wVar2**:

In decimal

1432

In hex

0x0598

In binary

0b10110011000

What is the value for **wAns1**:

In decimal

4113

In hex

0x1011

In binary

0b1000000010001

What is the value for

Answer 2:

In decimal

1249

In hex

0x04e1

In binary

0b10011100001

Answer 1:

Correct!

2681

Answer 2:

Correct!

0x0a79

Answer 3:

You Answered

0b101001111001

Incorrect Answer

0b0000101001111001

Answer 4:

Correct!

1432

Answer 5:

Correct!

0x0598

Answer 6:

You Answered

0b10110011000

Incorrect Answer

0b0000010110011000

Answer 7:

Correct!

4113

Answer 8:**Correct!**

0x1011

Answer 9:**Not Answered**

0b1000000010001

Incorrect Answer

0b0001000000010001

Answer 10:**Correct!**

1249

Answer 11:**Correct!**

0x04e1

Answer 12:**Not Answered**

0b10011100001

Incorrect Answer

0b0000010011100001

Question 3**0.53 / 1 pts****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

In hex

In binary

What is the value for **dVar2**:

In decimal

In hex

In binary

What is the value for **dVar3**:

In decimal

In hex

In binary

What is the value for **dAns1**:

In decimal

In hex

In binary

What is the value for **dAns2**:

In decimal

In hex

In binary

Answer 1:**Correct!**

164641512

Answer 2:**Correct!**

0x09d03ae8

Answer 3:**You Answered**

0b1001110100000011101011101000

Incorrect Answer

0b00001001110100000011101011101000

Answer 4:**Correct!**

112356789

Answer 5:**You Answered**

0x6b26db5

Incorrect Answer

0x06b26db5

Answer 6:**You Answered**

0b110101100100110110110110101

Incorrect Answer

0b0000011010110010011011011010101

Answer 7:**Correct!**

-46524

Answer 8:**You Answered**

0xfff4a44

Incorrect Answer

0xffff4a44

Answer 9:**You Answered**

0b1111111111110100101001000100

Incorrect Answer

0b11111111111111110100101001000100

Answer 10:

Correct!	276998301
	Answer 11:
Correct!	0x1082a89d
	Answer 12:
Not Answered	0b10000100000101010100010011101
Incorrect Answer	0b00010000100000101010100010011101
	Answer 13:
Correct!	52284723
	Answer 14:
Correct!	0x031dcd33
	Answer 15:
Not Answered	0b11000111011100110100110011
Incorrect Answer	0b00000011000111011100110100110011

Question 4**0.89 / 1 pts****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**:

In decimal

-19.125

In hex

0xc1990000

In binary

0b11000001100110000000000000000000

What is the value for **flt2** (as

shown in the debugger):

In decimal

11.25

In hex

0x41340000

In binary

0b01000001001101000000000000000000

What is the value for **eVal**:

*Note, enter **eVal** decimal value as shown in debugger output file (not the same as the source file).*

In decimal

2.71828

In hex

0x402df84d

In binary

0b01000000001010000000000000000000

Answer 1:

Correct!

-19.125

Answer 2:

Correct!

0xc1990000

Answer 3:

Correct!

0b11000001100110010000000000000000

Answer 4:

Correct!

11.25

Answer 5:

Correct!	0x41340000
	Answer 6:
Correct!	0b01000001001101000000000000000000
	Answer 7:
Not Answered	2.71828
Incorrect Answer	2.71828008
	Answer 8:
Correct!	0x402df84d
	Answer 9:
Correct!	0b01000000001011011111100001001101

Question 5
1 / 1 pts

Assignment #2 - Character/String Variables

Note 1, must proceed hex value with 0x.
Note 2, do not use quotes for ASCII characters.

What is the value for **myClass**: (first six characters only):

In ASCII (char 1)

C

In ASCII (char 2)

S

In ASCII (char 3)

-

In ASCII (char 4)

2

Answer 1:

In ASCII (char 5)

In ASCII (char 6)

In hex (char 1)

In hex (char 2)

In hex (char 3)

In hex (char 4)

In hex (char 5)

In hex (char 6)

Correct!

C

Answer 2:

Correct!

S

Answer 3:

Correct!

-

Answer 4:

Correct!

2

Answer 5:

Correct!

1

Answer 6:

Correct!

8

Answer 7:

Correct!

0x43

	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