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CSCD340

lab1prob2

Guesses:

Output from program run:

Although memory locations are different I was correct in how many bytes that that should be allocated between a,b,c, and i. However, since the above guesses are assuming 32-bit and the program actually ran on 64-bit, the amount of bytes allocated are different. For example, b uses eight bytes instead of four.

2:
$$b = 0x19f1010$$
, $c = 0x7ffff10ec676$

Although memory locations are different the guess is correct.

Verified that the guess was correct.

Verified that the guess was correct.

Verified that the guess was correct.

My guess was not correct here. I thought that the operation would cause junk values or an error to be generated in the memory location of a[1]. However, it seems that it caused the values to bleed over into the next memory location where a[2] is. I am not entirely sure how the values 205044 and 256 are generated though.

Although the memory locations are different I was correct in how many bytes were allocated between b and c.