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Assignment 1

1) The code stops working on line 15 because the compiler expects a parse of a pointer but instead it was just passed a int value

2) To solve the problem, just add a deference variable so that the print scanf command line works properly.

Part 2

3) The problem was that the variable sum was being passed as though it was a int instead, we needed it to be a pointer so that way the locations value was changing and wasn’t staying stagnant at 0

4) The fix was by making the parsed variable into a pointer and having the other sums referenced or referenced depending on what was happening.

3)I think this happens because the memory location continuously is being updated everythime str is updated. This causes an overflow of data that is in that specific memory location, so when prompted to print, it prints the whole value of of the mem location which includes the overflow.

Assignment 2

1) No the output is not what is to be expected

2) The output again is not the expected one. The reason I believe the code is not working it because the memory location in which the compiler is using does not update all the values within that memory location because the words do not reach that far into the allocated memory.

3)I think this happens because the memory location continuously is being updated everythime str is updated. This causes an overflow of data that is in that specific memory location, so when prompted to print, it prints the whole value of of the mem location which includes the overflow.