Coding assignment:

Enter and debug the code shown in class for the bubble sort algorithm.

NOTE THAT THE VALUES YOU ENTER TO SORT ARE CONSIDER TO BE 16-bit 2’s COMPLEMENT VALUES.

The lecture, Lecture 6, A First Program, has been updated to reflect a final debugging of the program. The code shown in class was 95% correct. A slide was added at the end with some reflection on this.

Create a word .doc(x) file and upload it to the CARMEN dropbox Cass1.

The file needs to contain

1. Your code
2. Screen captures that show (capture only the Code Composer Window)
   1. Successful assembly of you code
   2. The status of memory before you run your code (this means you need to bring up a window in Code Composer to show memory starting at address 0x0200. Enter that value in the small entry box in the window and click on the GO button.
   3. The status of memory (annotated so a reader know at what stage it is) several times during the bubble sort to show a large value moving up. You should set up your data so you have the largest values in one of the first few locations.
   4. The status of memory when your code is completed