Project 9: Bubble Sort

CS200

4/19/13

by

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**Purpose**

The purpose of this project is to practice conditional jumps/loops and programming procedures. The project consists of three procedures which will respectively read in an array of integers; sort them using a bubble sort algorithm, and finally print them out the resulting numbers separated by commas.

**Approach**

I basically broke the project into the three procedures and attempted to work on them one at a time. For ReadNums, I broke down the logic to get where each jump needed to be. Conditional jumps were somewhat confusing but I think the logic is there. I made a while loop, which was surprisingly easy. Understanding the steps to read in integers and putting them in an array was the most confusing part for me, and I’m sure I could process arrays better with more practice. I found the bubble sort algorithm in the book for BSort as well as how to print out the array for PrintNums.

**Conclusion**

This project was not very hard to understand but using the more specific assembly commands was challenging. My program is somewhat complete, with a little more tweaking it could work. Overall, I could not get my program to work in time but I think I understand how to use jumps and loops efficiently now.