

## CS 2150 Post-Lab 7 IBCM Report

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Out of all the labs we have completed at this point into CS 2150, lab 7 was one of my favorites. Implementing programs in IBCM was difficult at first since it was unlike anything we have seen previously in this course. Once I started working through it, I eventually began to understand. The key concept that took me a while to grasp is the fact that the memory and the instructions are essentially the same thing. I thought it was really interesting that I had to accumulate an instruction into the register and then write it to the next spot in memory so it would automatically be executed. After implementing bubble sort, I now feel very confident in writing IBCM code. This lab particularly peaked my interest because Professor Bloomfield asserted that all programs could be implemented in IBCM, given enough memory. This lab made me very curious as to how a c++ program could be systematically converted into machine code like IBCM.s]