

Lab 7 involved understanding machine language and how a computer uses its registers and its memory to execute various commands. IBCM is a more simplified version of machine code that uses hexadecimal representation of commands and uses fewer registers to simplify understanding the execution of programs at a machine level. IBCM was fairly simple to understand and use on the surface. Executing some of the nested loops, especially for the bubble sort algorithm, was a little convoluted and required a lot of planning for writing the code itself. The simulator itself was pretty easy to use in terms of inputting the code and running it but the actual display of the registers and their values was a little hard to deal with as the window was fairly small which made keeping track of the pointer a little hard. Overall IBCM was pretty easy to write code with and I am very confident in being able to write IBCM code, whether it be in an exam setting or in a more leisurely setting.