Lab 4

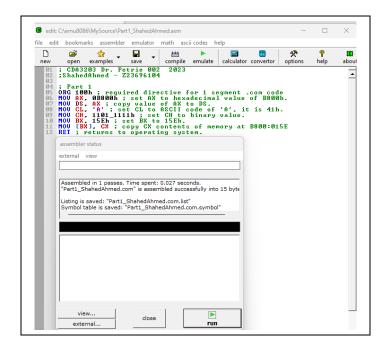
Shahed Ahmed

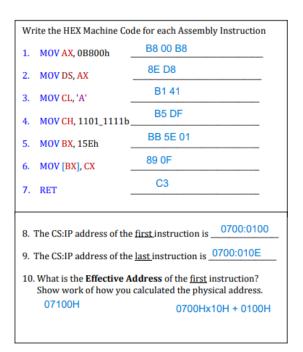
4/23/2023

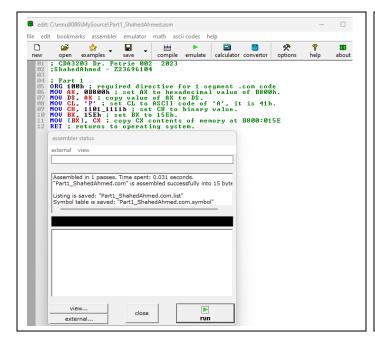
CDA 3203 Computer Logic Design
Spring 2023

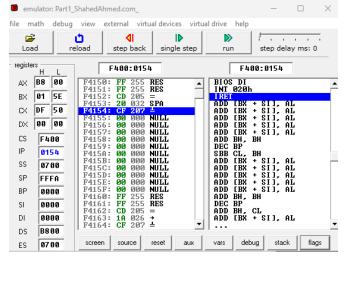
Dr. Maria Petrie Florida Atlantic University

Part 1.

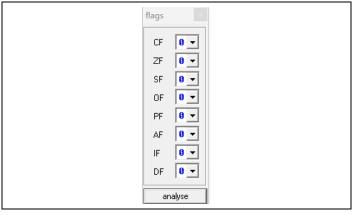




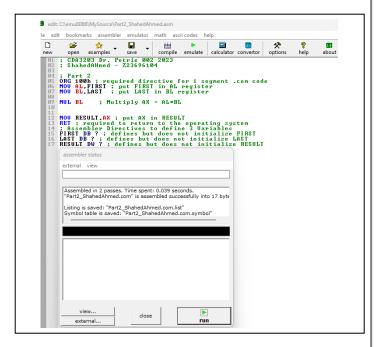








Part 2



 Compare the instructions in the Editor window with the assembled code in the Emulator window.

What did the Emulator substitute for the following in the assembled instructions:

 Look at RESULT and AX in the different windows snipped show value AFTER you Single Stepped:

In Emulator window, AX = ____005C

In Variables window, RESULT = ____0700 010C

In RAM window, 2 bytes of RESULT = ____0700 010C

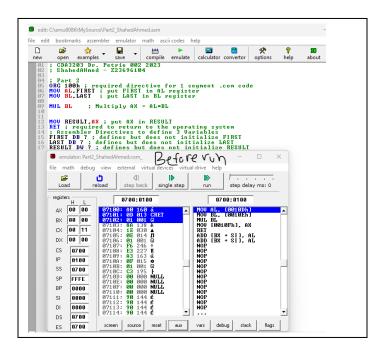
In Symbol Table snip find the Offset of

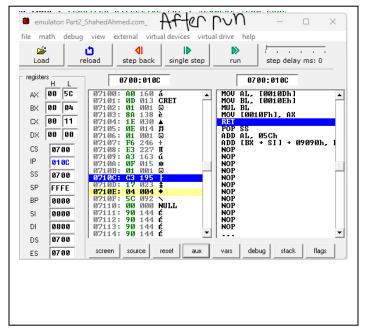
14. DS:Offset is the address of RESULT. Calculate the 20-bit

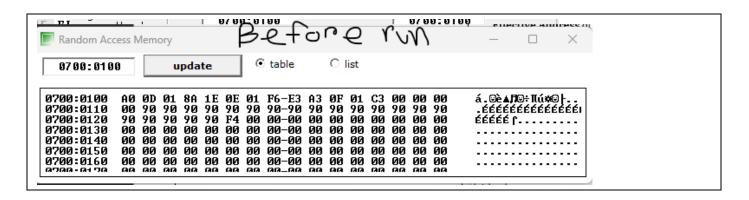
Effective Address of RESULT in Hex? 07109h

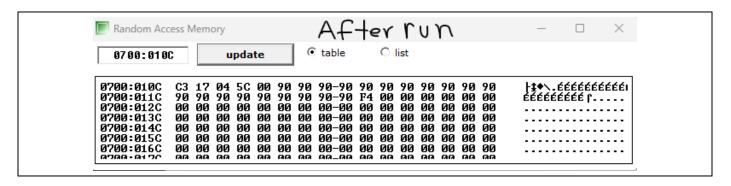
Show work of how you calculated the physical address:

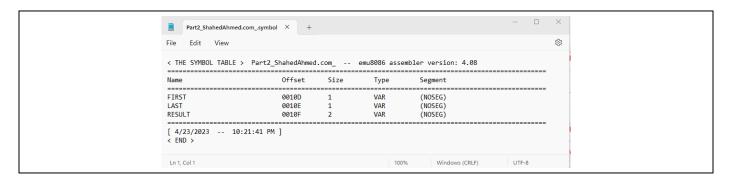
0700hx10h+0109h













Confirmation SPOT Survey was completed

