MIT Assignment-02

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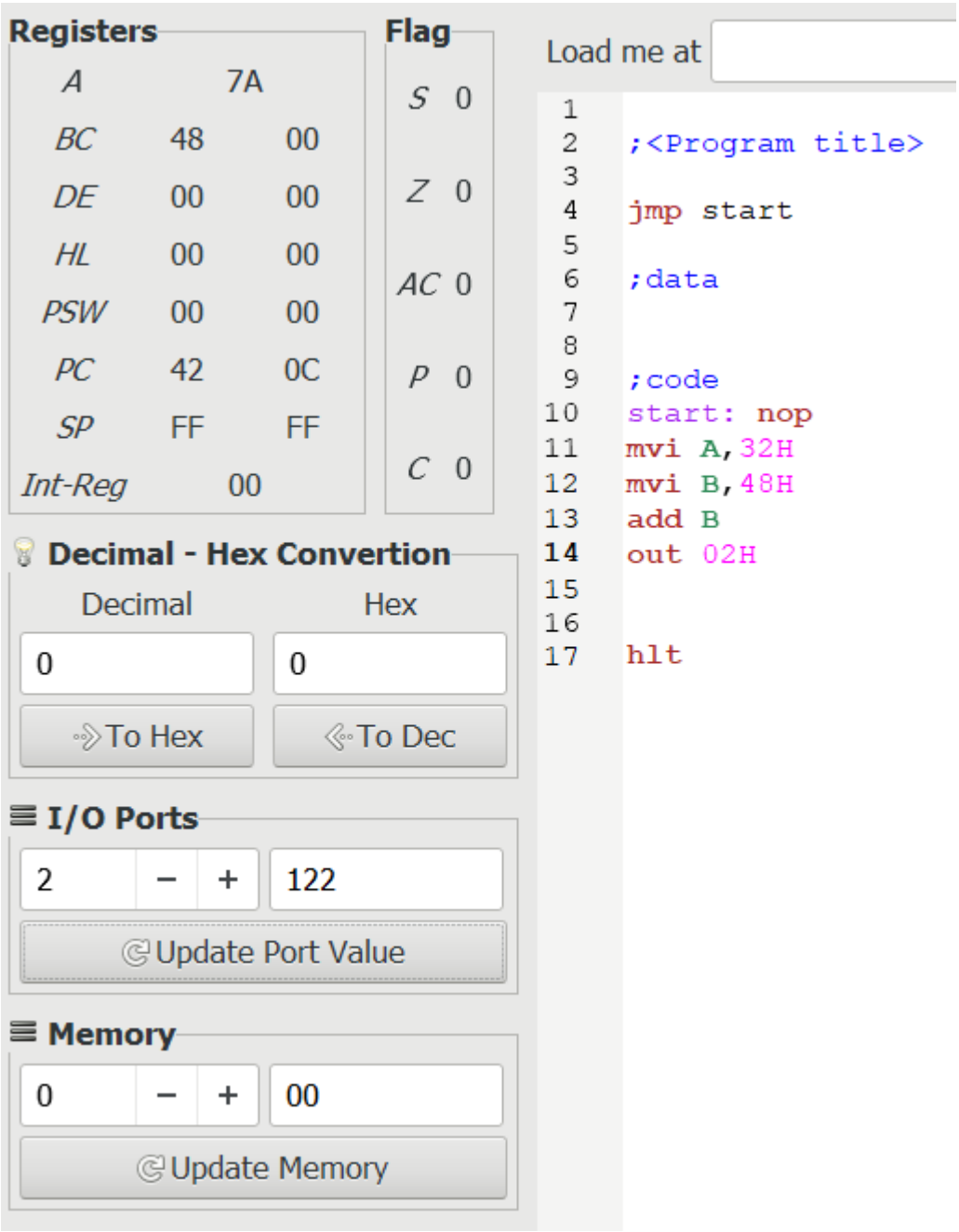
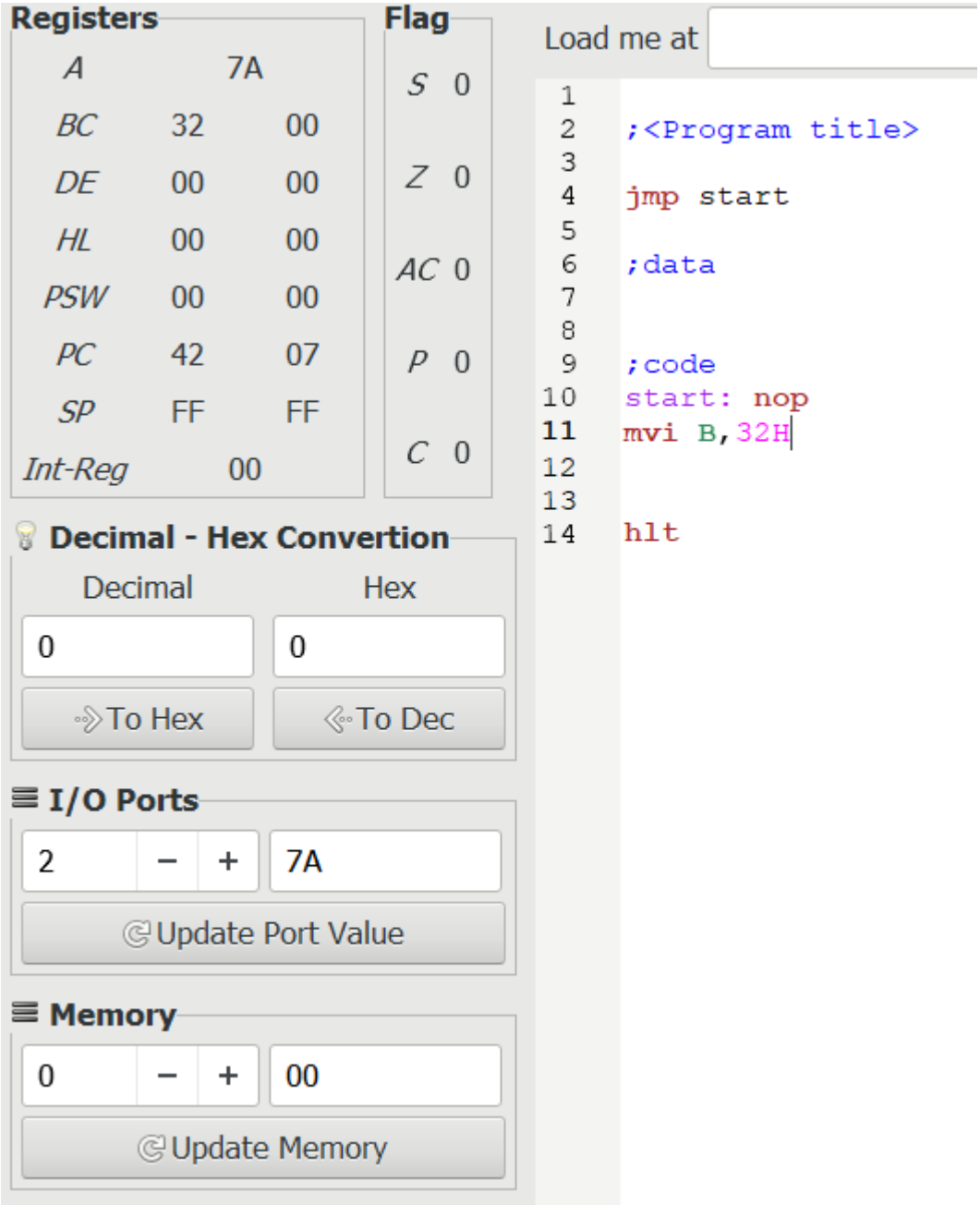
Question 1 : **Write instruction to load the two hexadecimal numbers 32H and 48H in registers A and B, respectively. Add the numbers, and display the sum at the output port 02.**

Output:



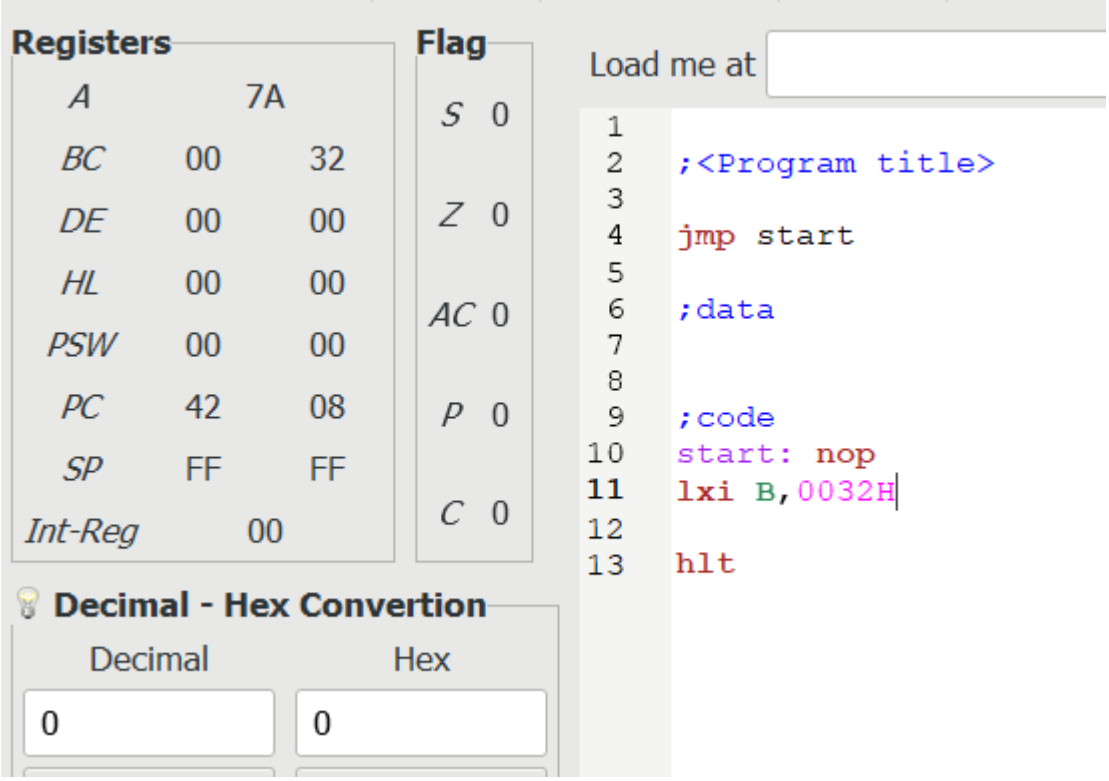
Question 2: Write instruction to load an 8-bit number in a B.

Output:



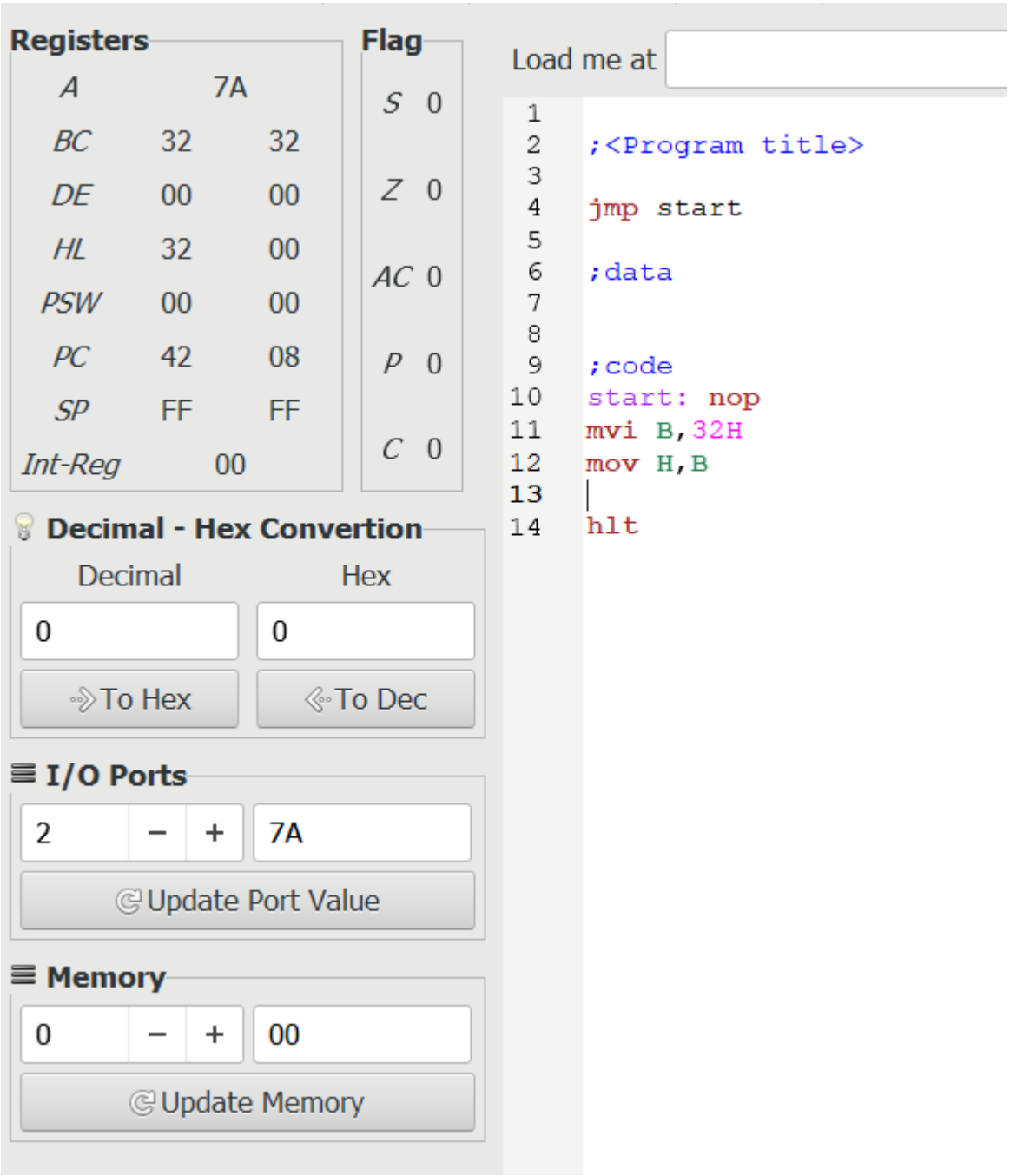
Question 3: **Write instruction to load a 16-bit number in a BC register pair.**

Output:



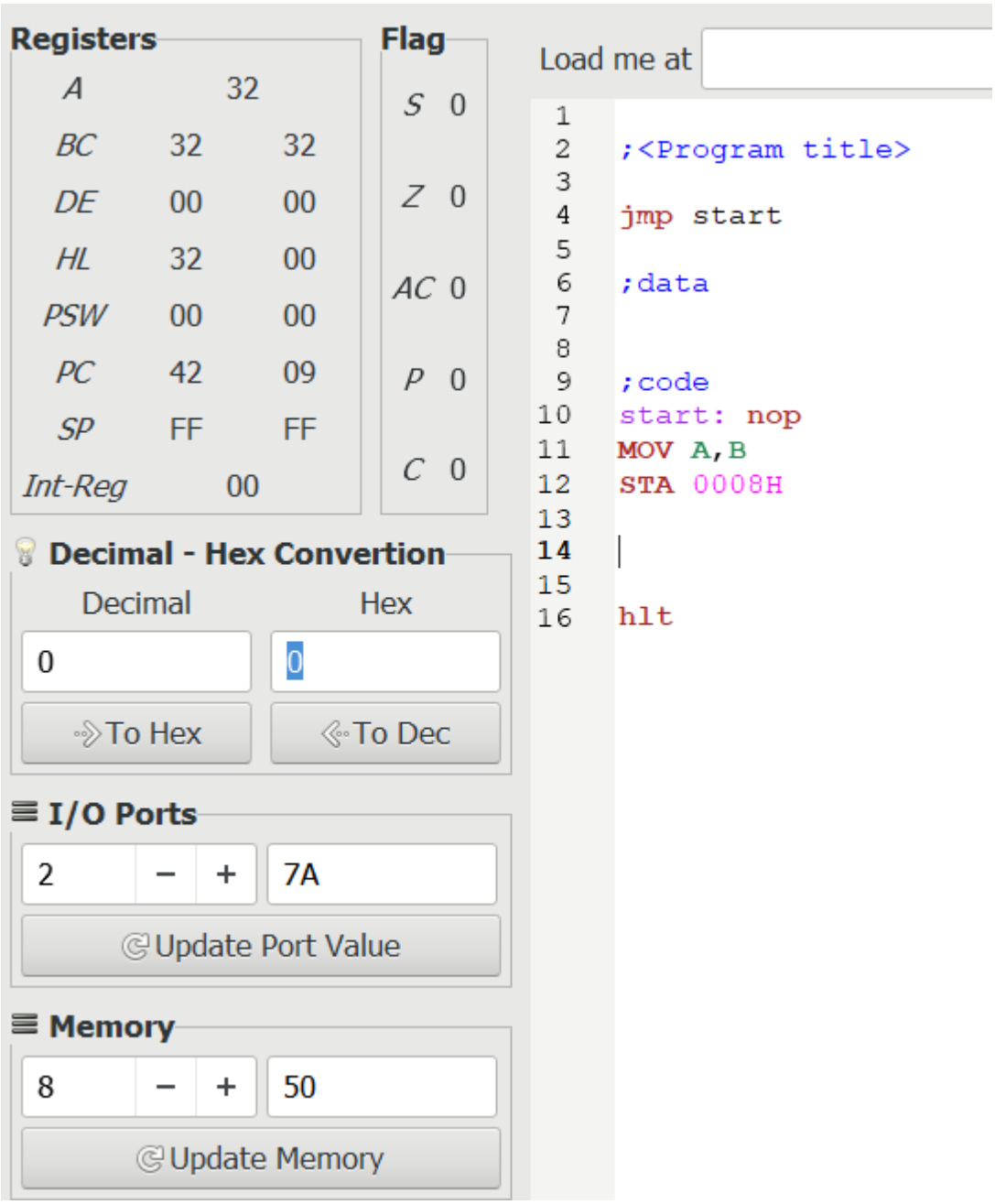
Question 4 : **Write instruction to copy data from register B to register H.**

Output:



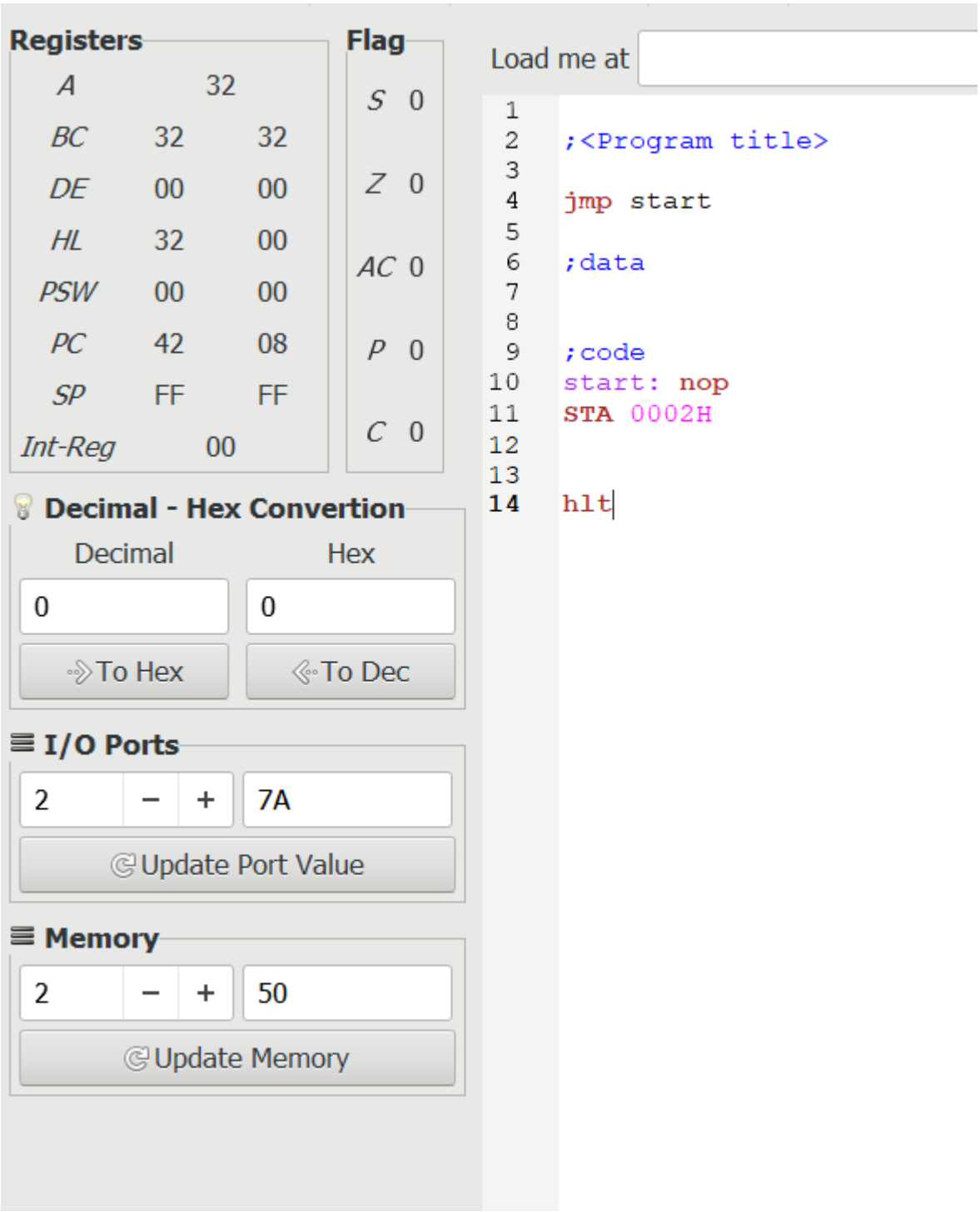
Question 5 : **Write instruction to copy data from register B to memory location 0008H.**

Output:



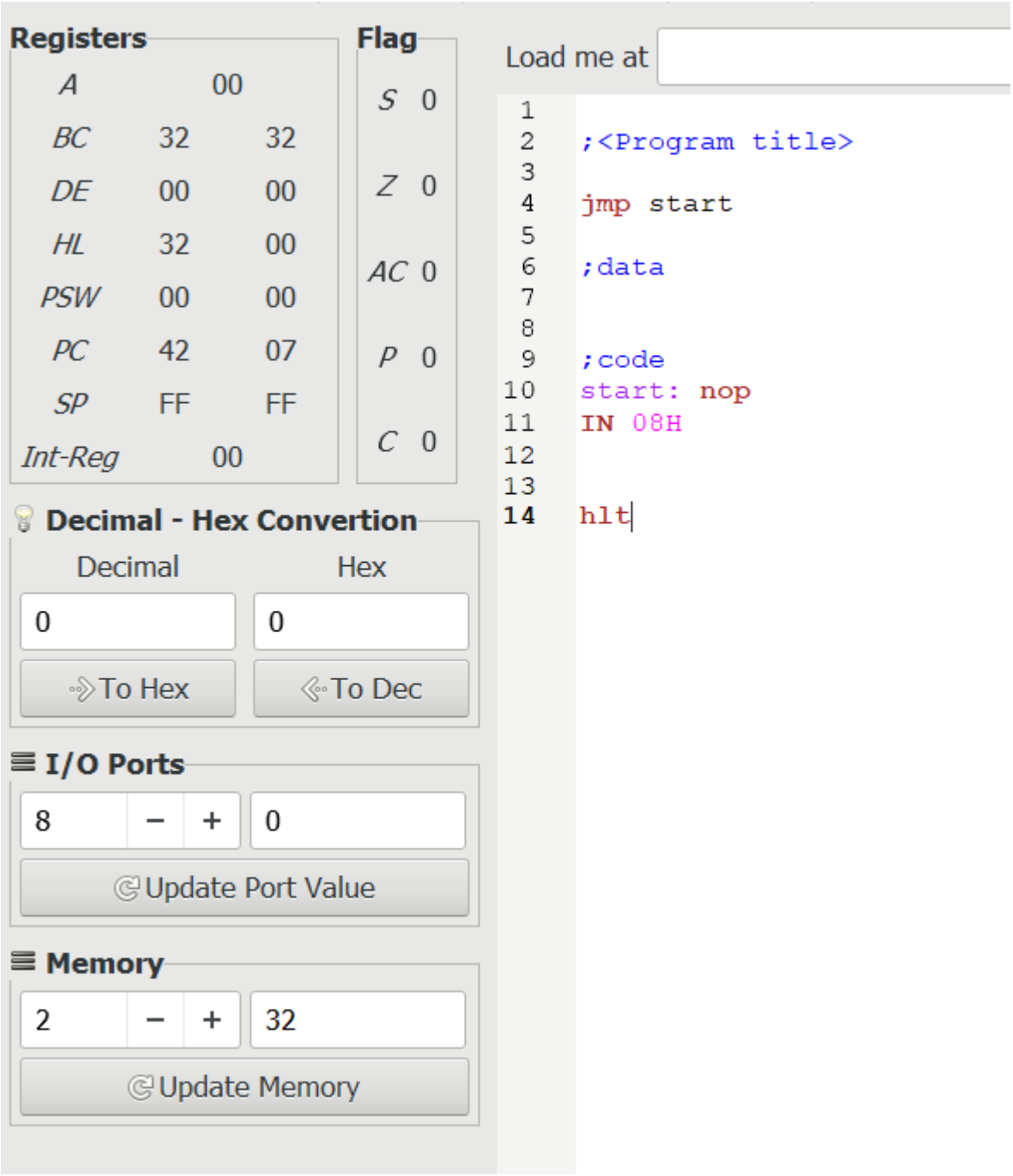
Question 6 : Write instruction to transfer data of accumulator to memory location 0002H

Output:



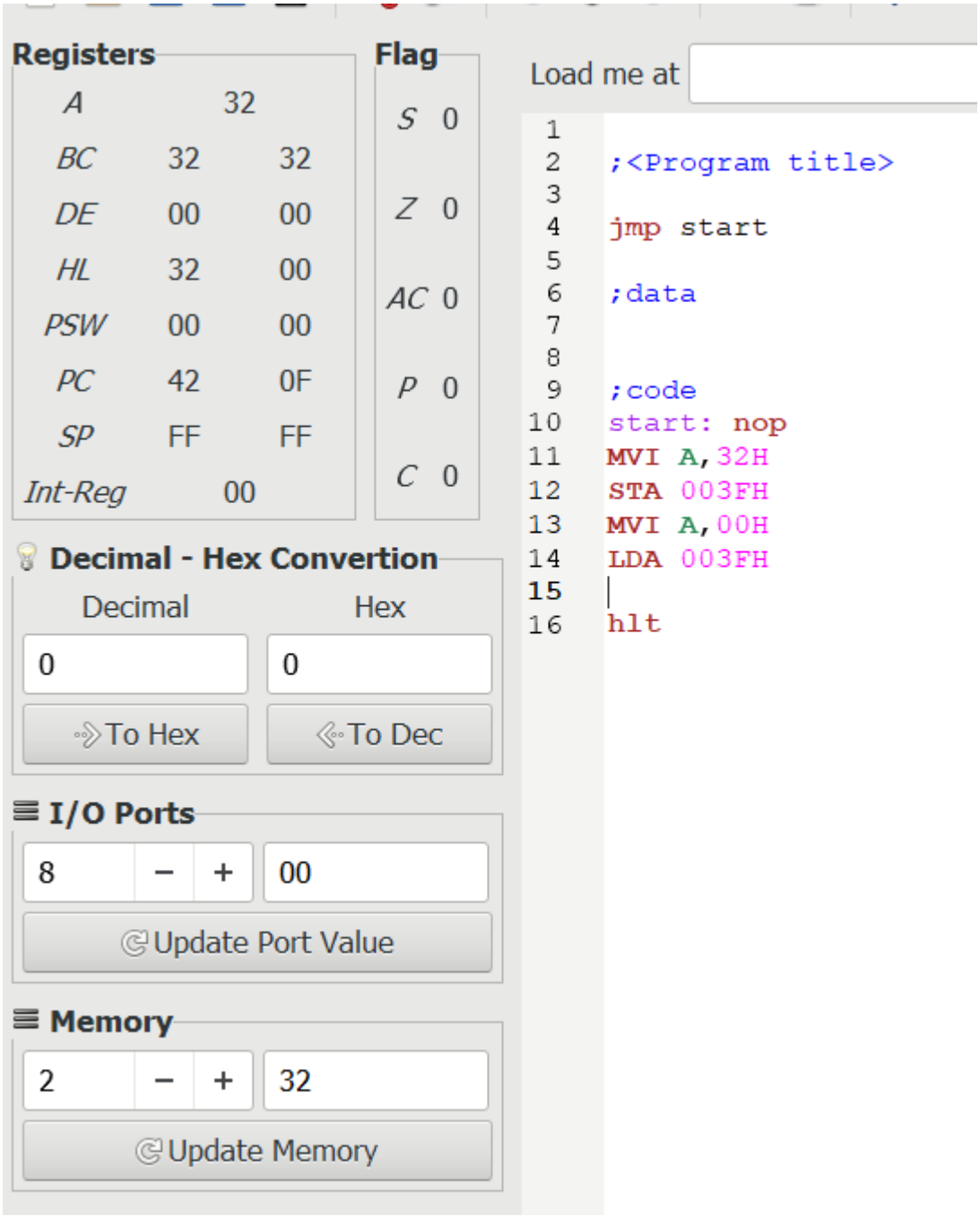
Question 7 : **Write instruction to accept data from port 08H and place it in accumulator.(IN)**

Output:



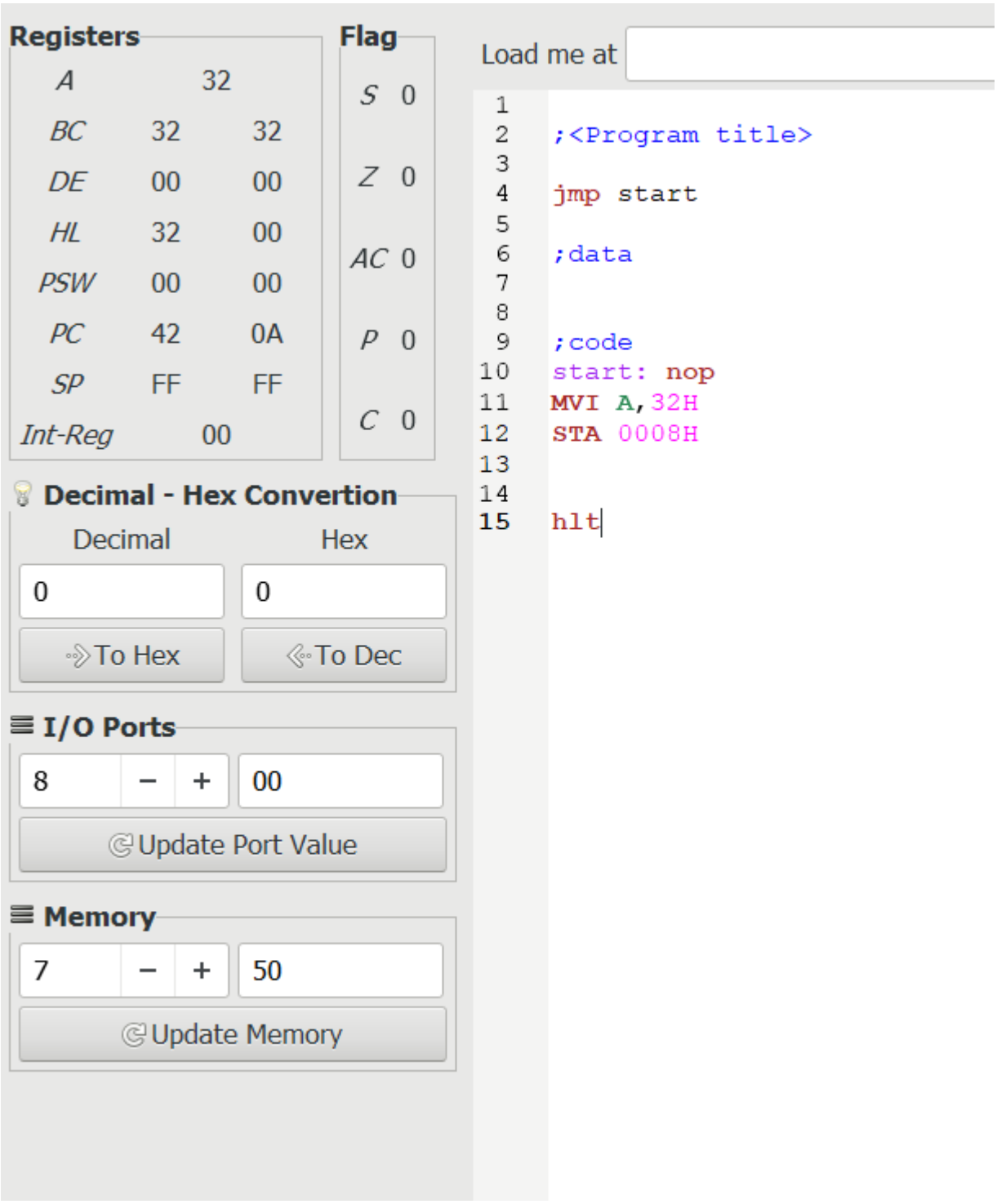
Question 8 : **Write instruction to accept data from memory location 003F and place it in accumulator.(LDA)**

Output:



Question 9 : Write instruction to copy data (results)from accumulator to memory location 0008H.(STA)

Output:

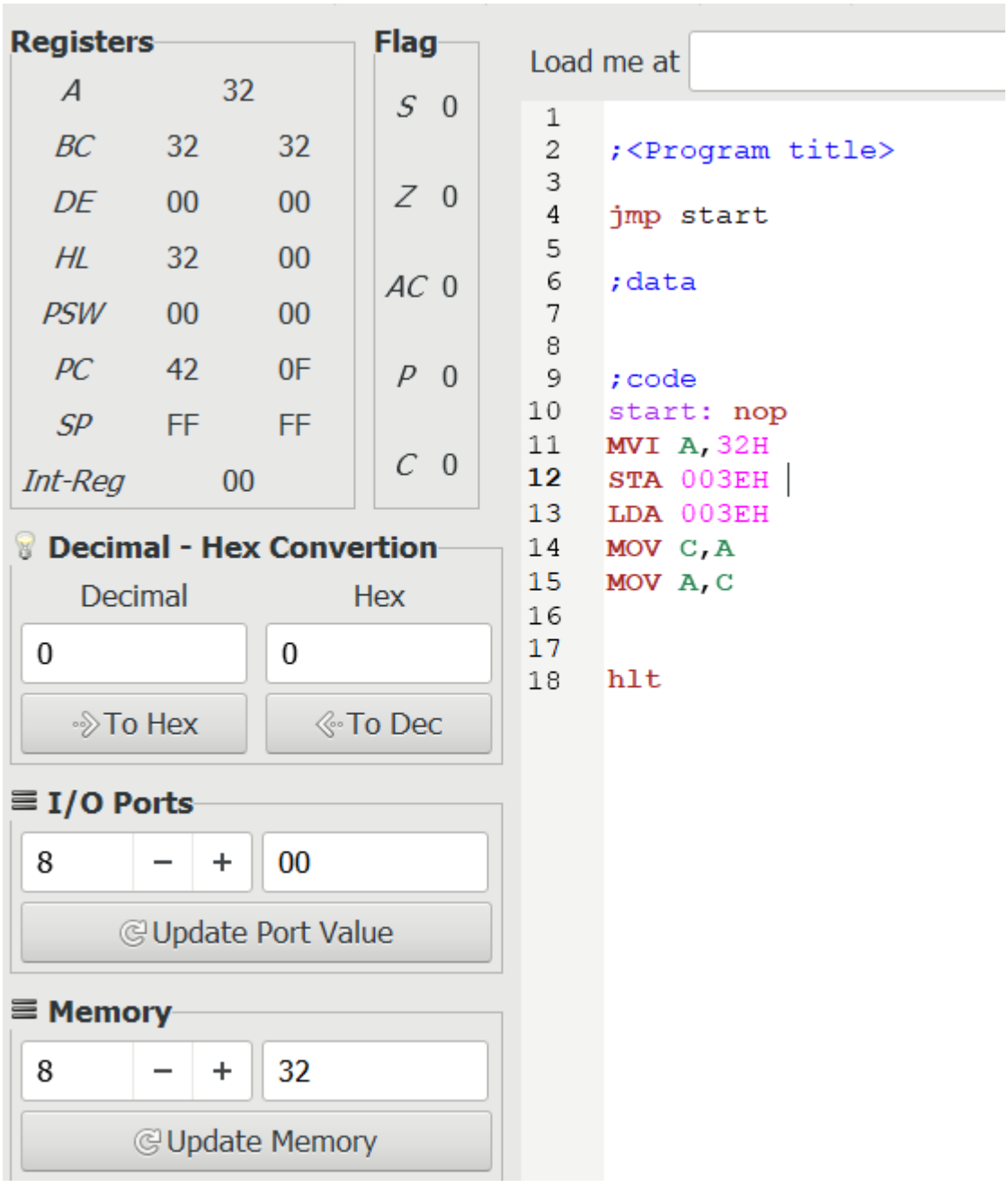


Question 10 : **A. load data 05H to memory location 003E H.**

B. Store this memory location to register C.

C. Copy the data of memory location stored in C to accumulator.

Output:



Question 11: **Copy the data of accumulator into the memory specified by the address in register pair BC.**

Output: