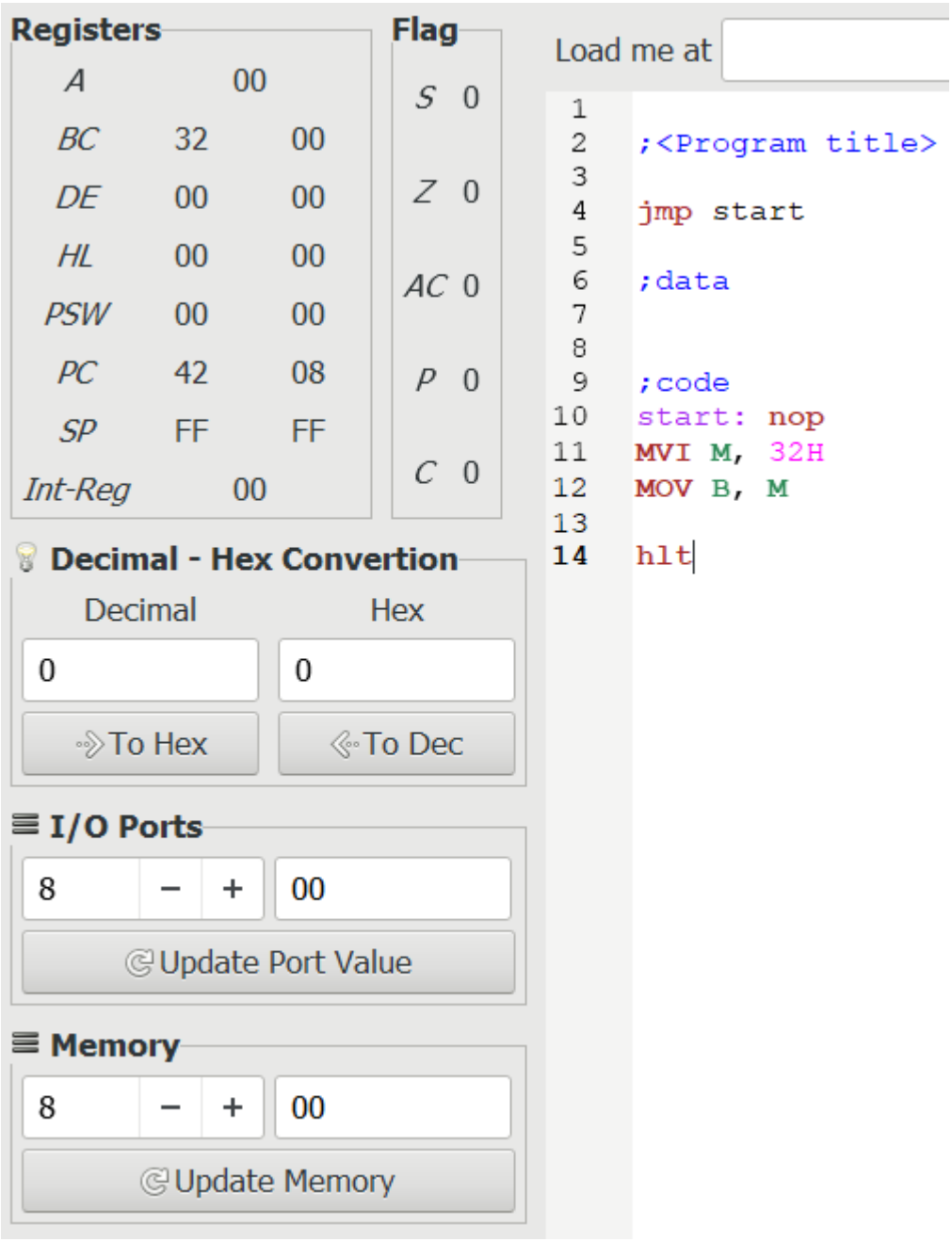
MIT Assignment-03

Jeetu Mehra

U24AI032

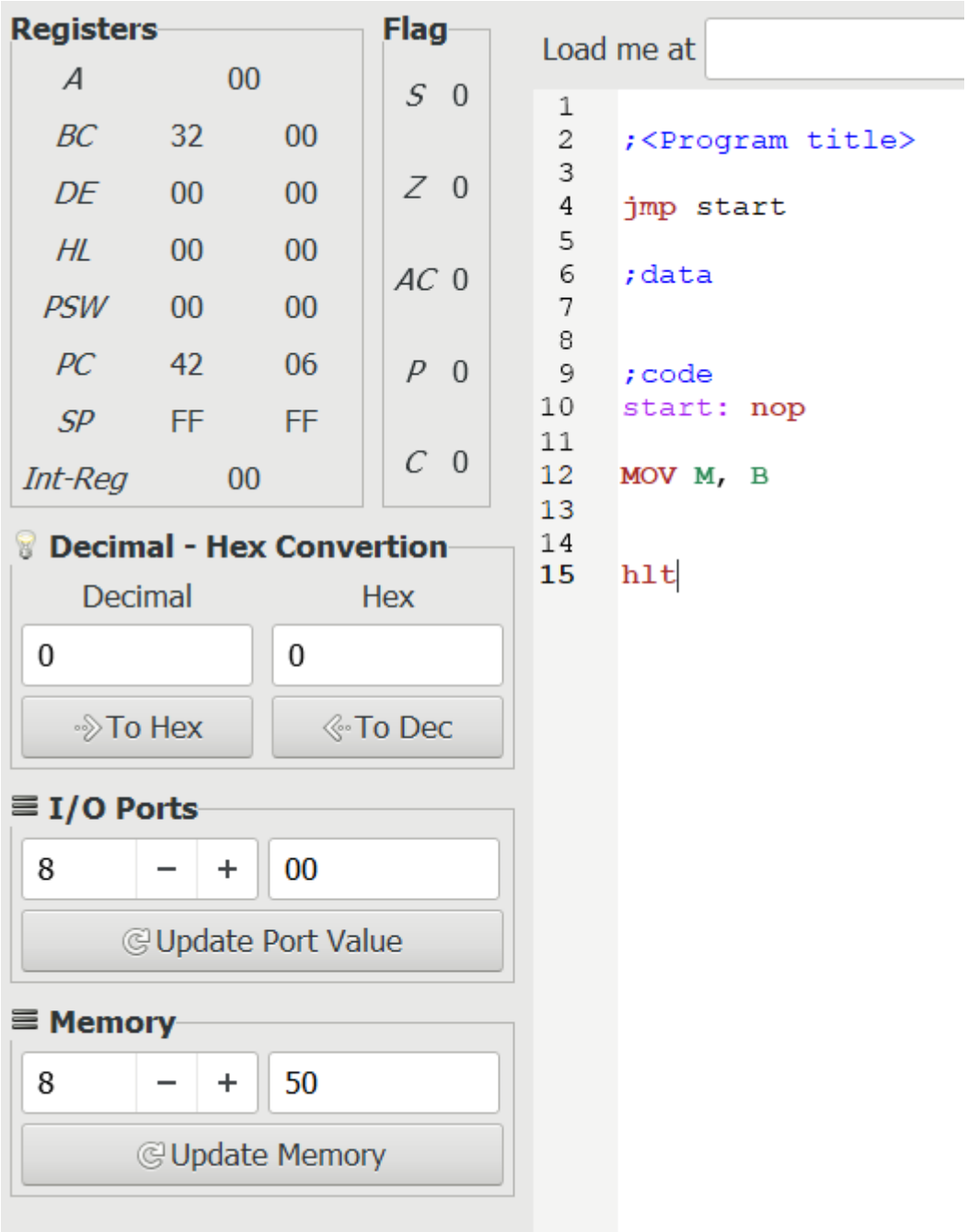
Question 1 : **Write instruction to copy data into register B from memory location 0008H specified by HL pair.**

Output:



Question 2: **Write instruction to copy data from register B into memory location 0008H specified by HL pair.**

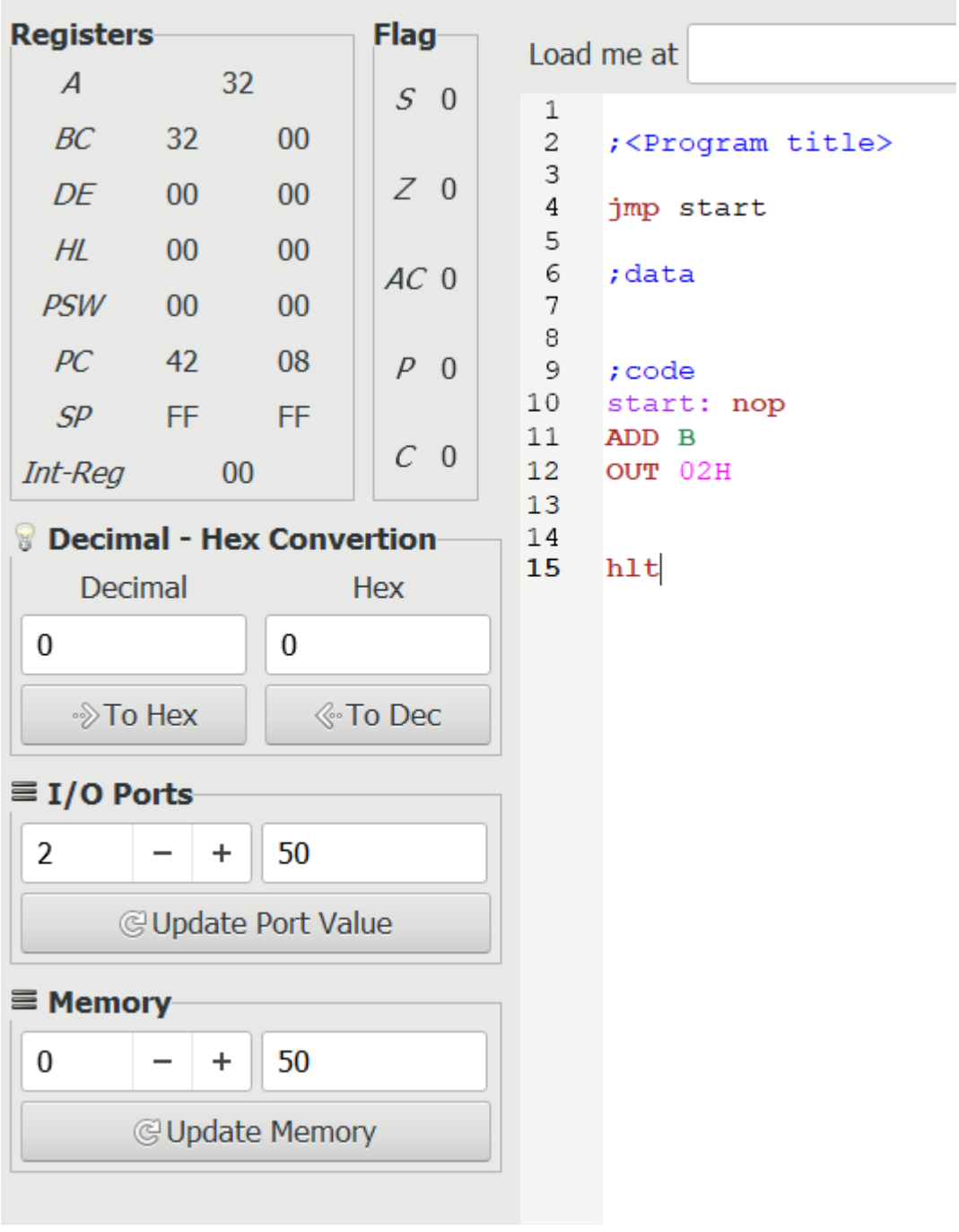
Output:



Question 3: **Write instruction to add contents of register B to the contents of A and show results at I/O port**

address 0002H.

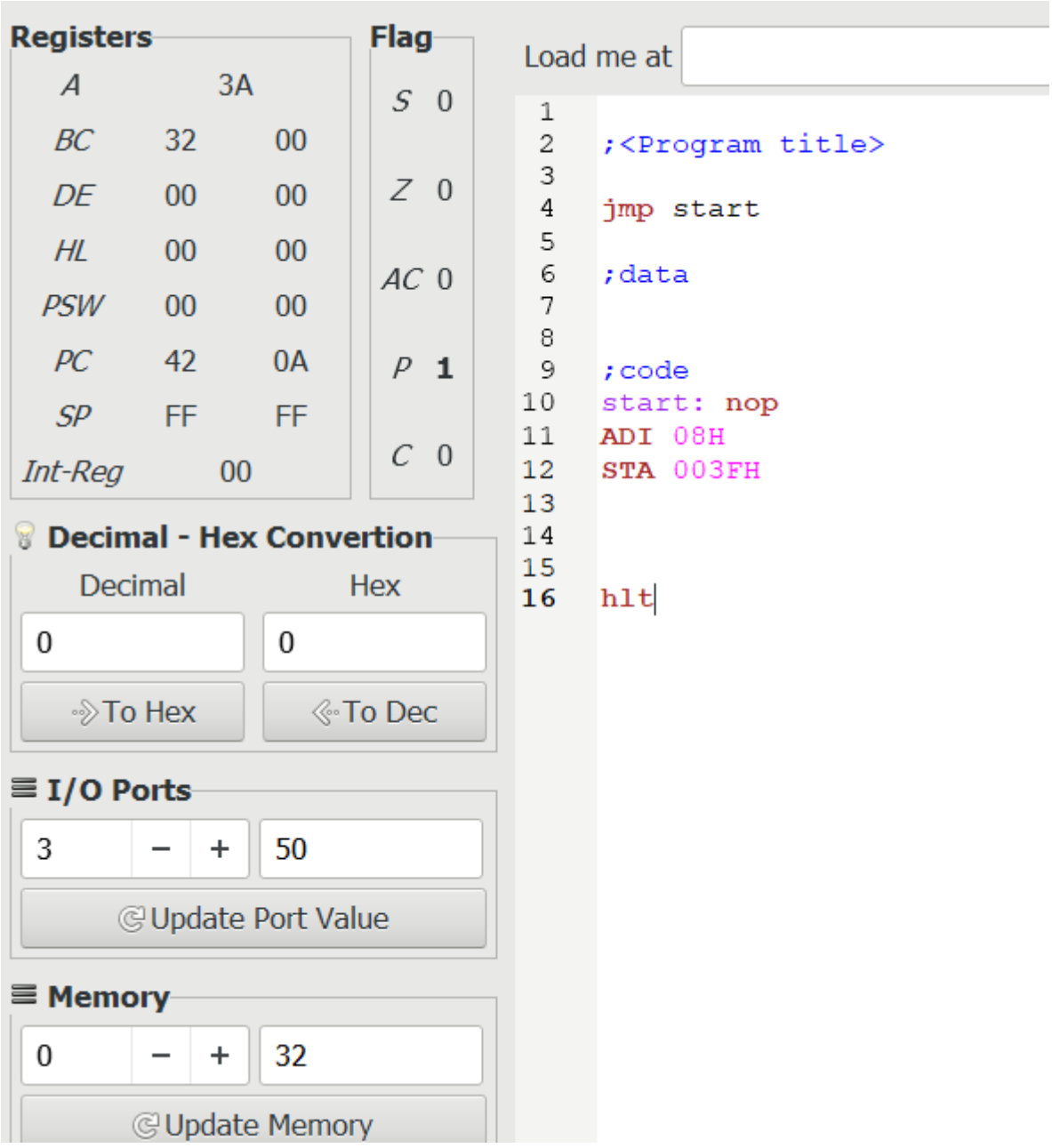
Output:



Question 4 : **Write instruction to add 8-bit data to the contents of A and show results at memory address**

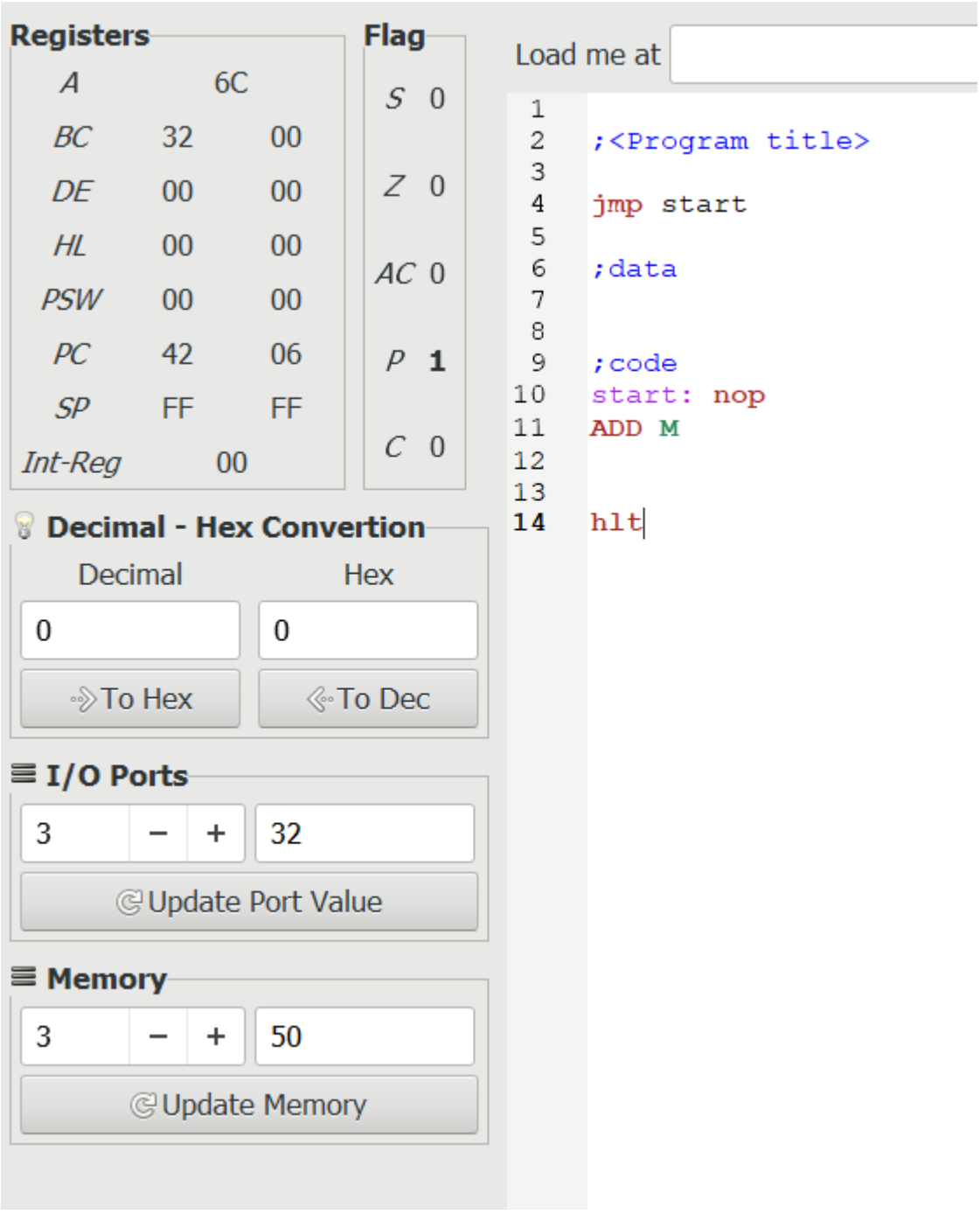
003FH.

Output:



Question 5 : **Write instruction to add contents of memory address specified by HL pair to the contents of A**

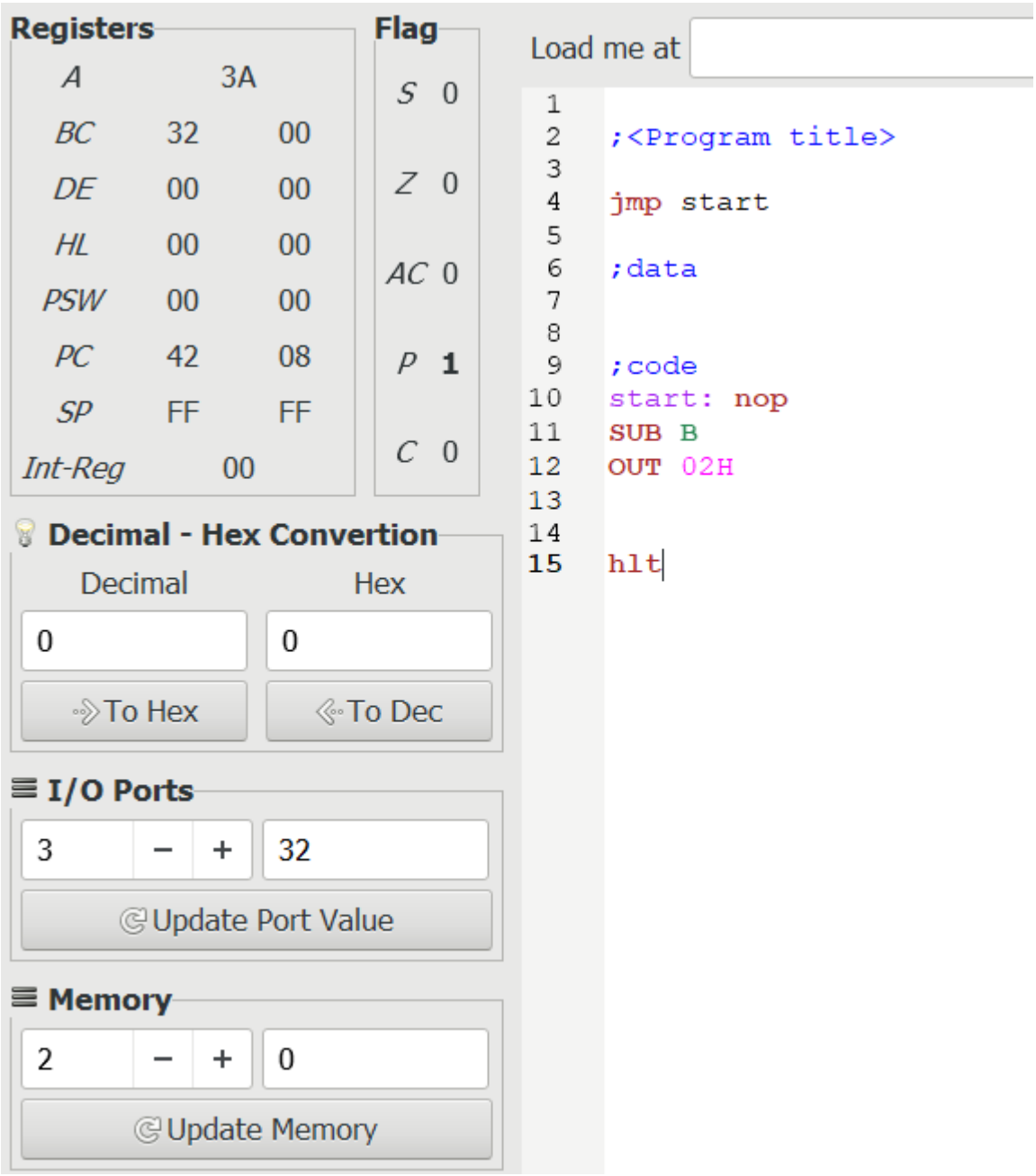
Output:



Question 6 : **Write instruction to subtract contents of register B from the contents of A and show results at**

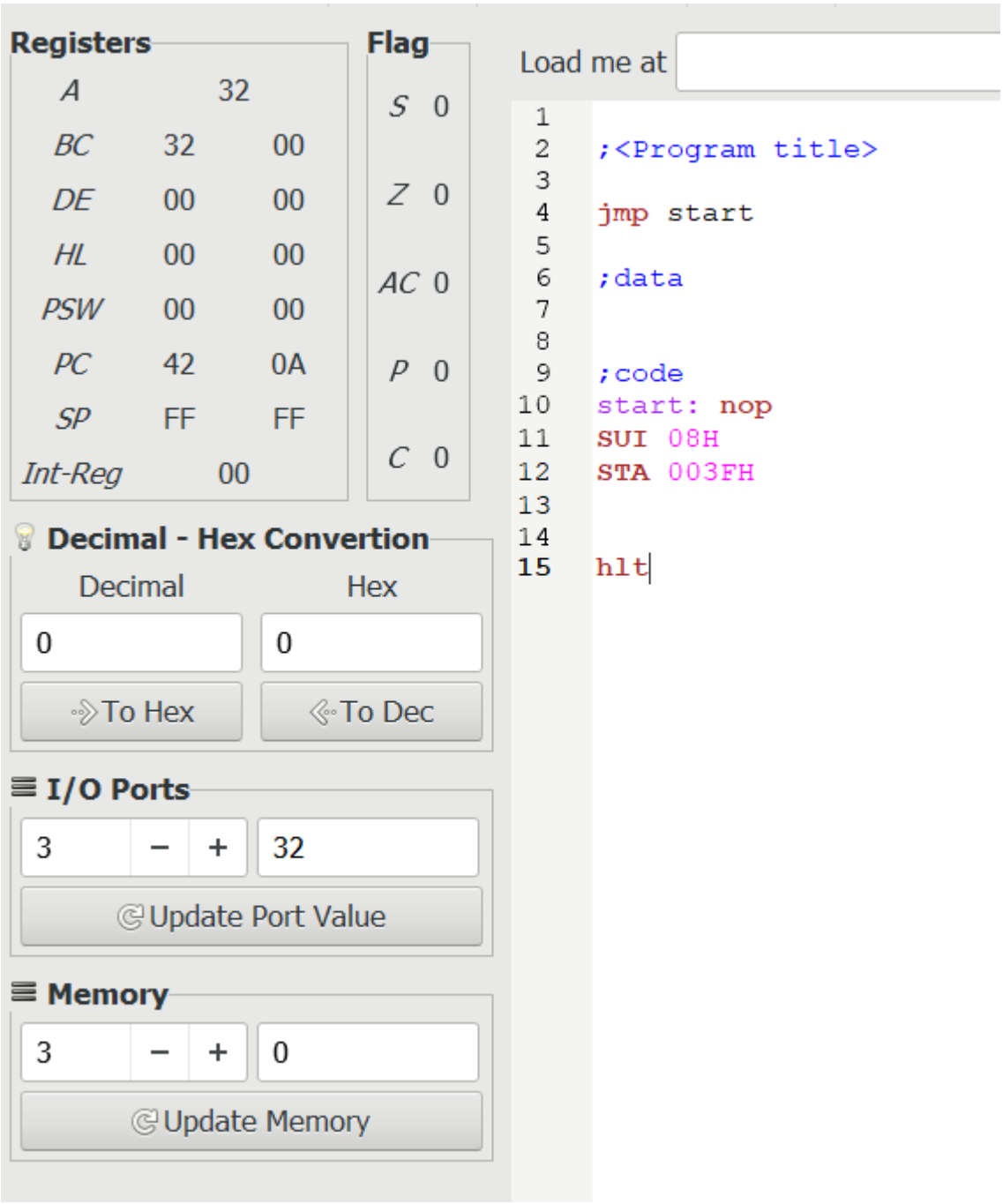
I/O port address 0002H.

Output:



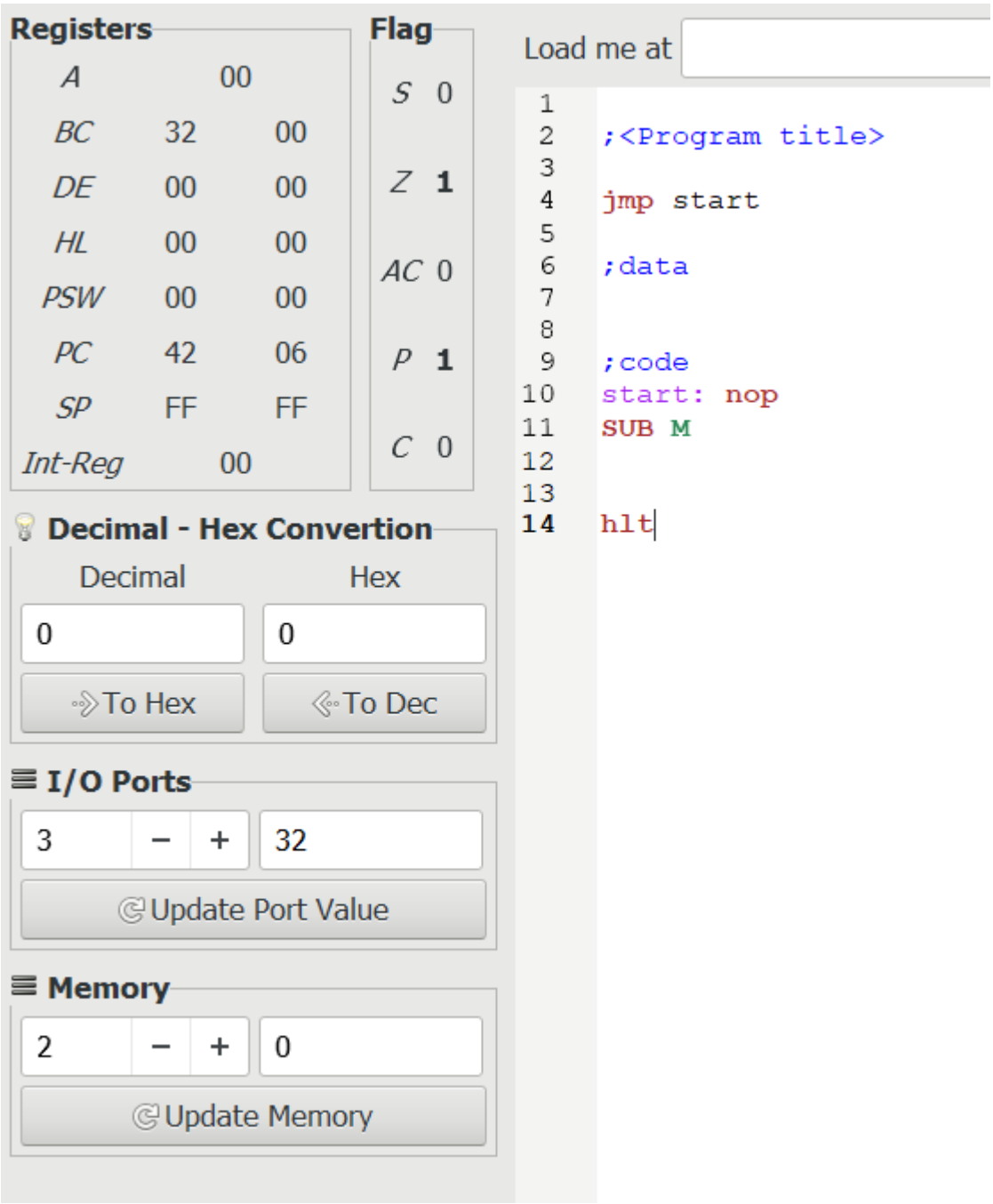
Question 7 : **Write instruction to subtract 8-bit data from the contents of A and show results at memory address 003FH.**

Output:



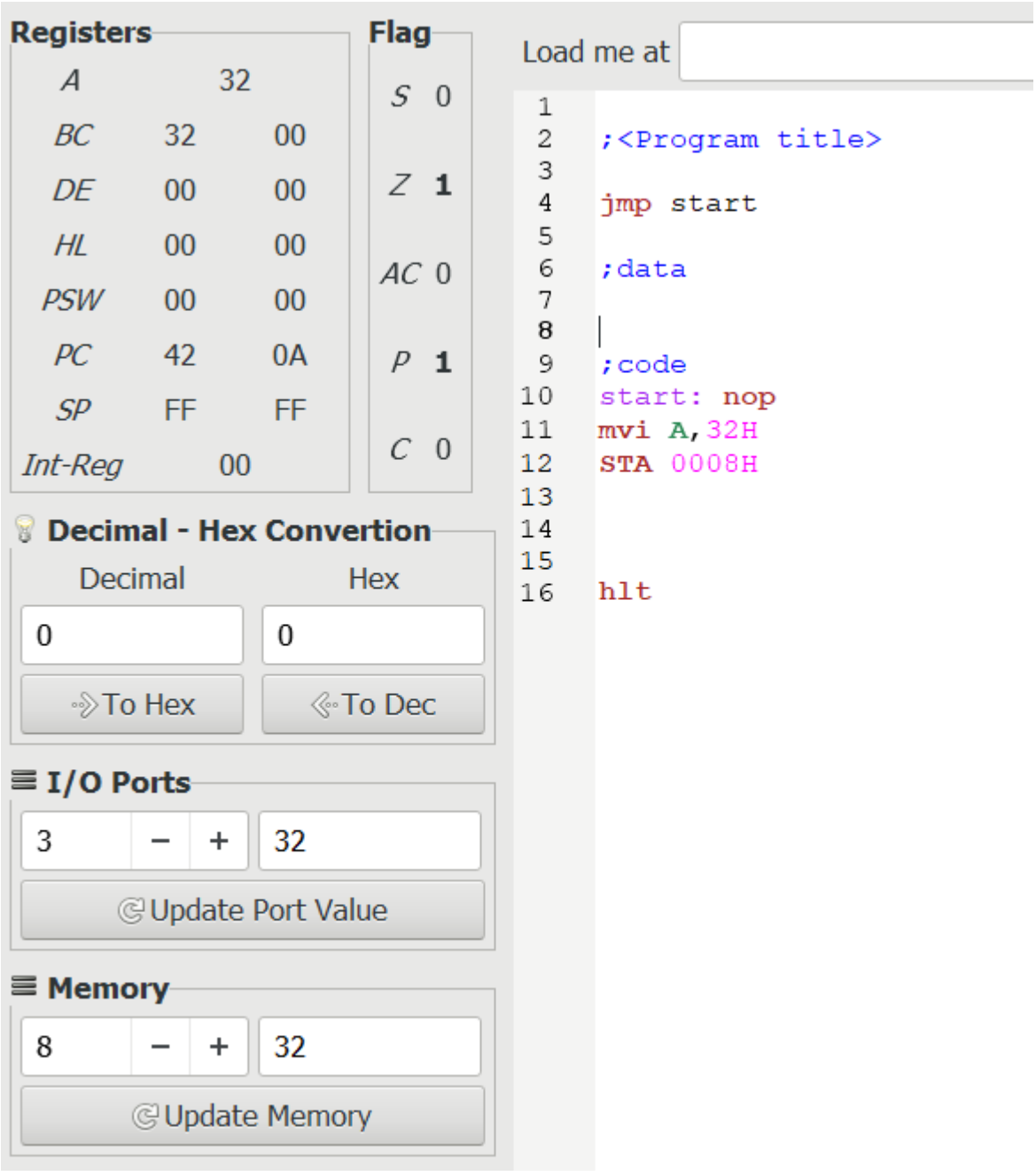
Question 8 : **Write instruction to subtract contents of memory address specified by HL pair from the contents of A**

Output:



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

Output:

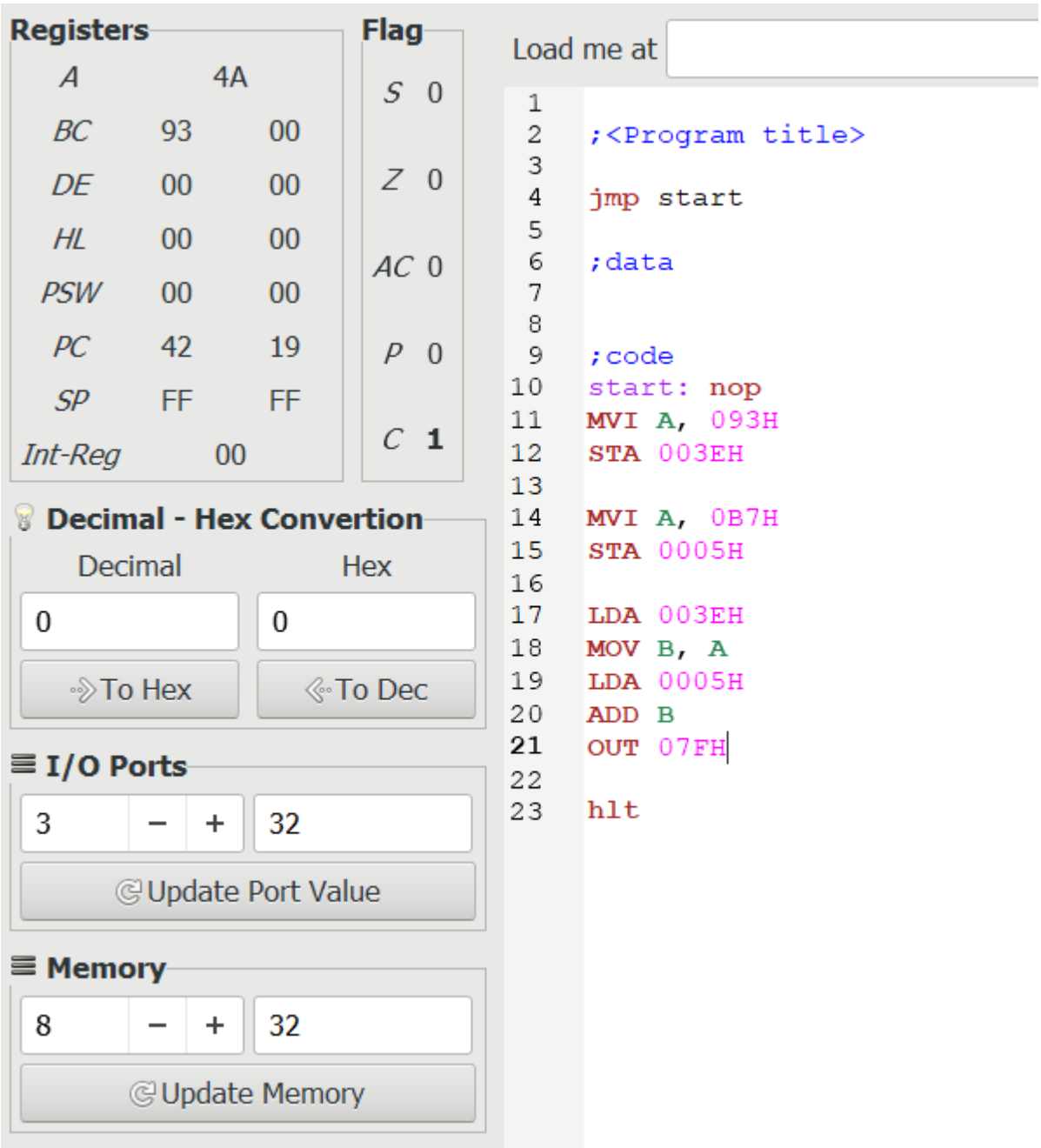


Question 10 : **A. load data 93H to memory location 003E H.**

B. load data B7H to memory location 0005H.

C. Add both data and show results at I/O port 007FH.

Output:



Question 11: **A. load data 4FH to memory location 7F H.**

B. load data 78H to I/O port 0005H.

C. Add both data and show results at I/O port 007FH.

Output: