*Muhammad Mufeez*

*BCS-3J*

***Coal Lab 04***

**Q1:**

*MOV AX 3d ; no , bdetween dest and source*

*MOV 23, AX ; value is the destination which is an error*

*MOV CX, CH ; registers size is not same*

*MOVE AX, 1h ; the keyword is mov not move*

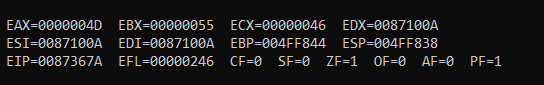
*ADD 2, CX ; destination can’t be a value*

*ADD 3, 6 ; destination can’t be a value*

*INC AX, 2 ; wrong syntax*

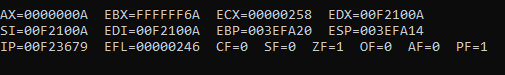
**Q2:**

*Output:*

**

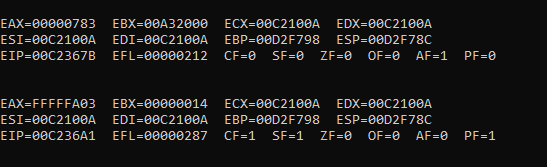
**Q3:**

*Output:*

**

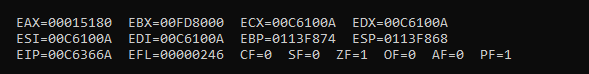
**Q4:**

*Output:*

**

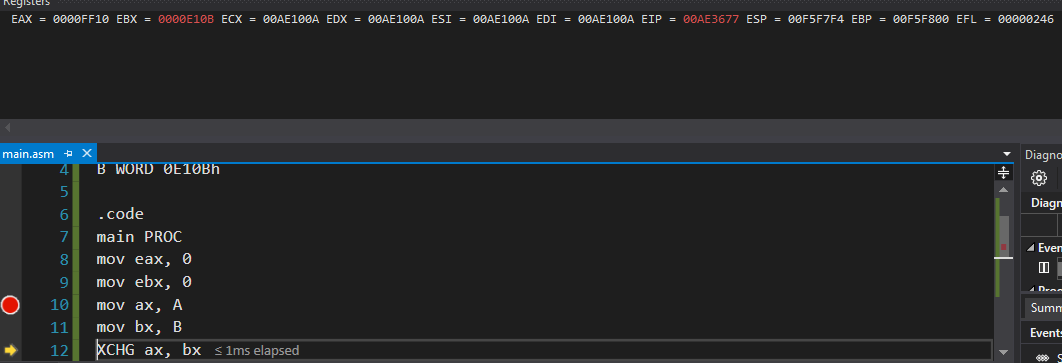
**Q5:**

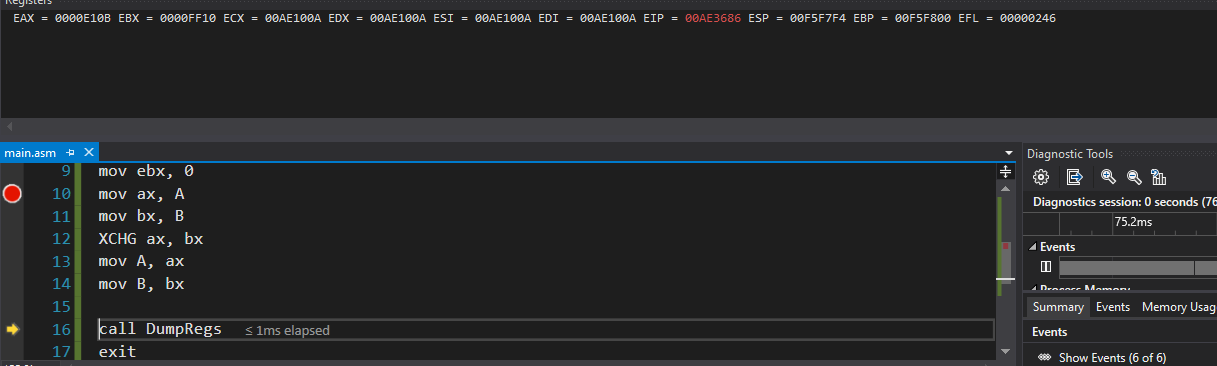
*Output:*

**

**Q6:**

*Output:*

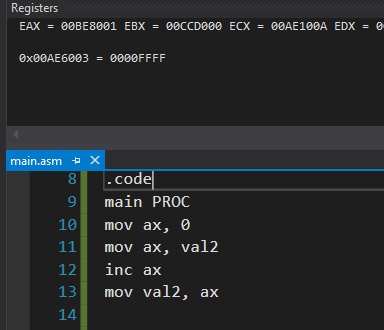
**

**

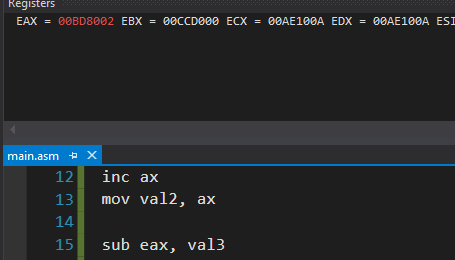
**Q7:**

*Output:*

*i. Write an instruction that increments val2.*

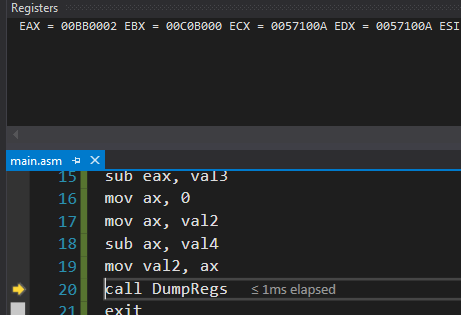
****

*ii. Write an instruction that subtracts val3 from EAX.*

****

*iii. Write instructions that subtract val4 from val2.*

*val2 was updated to 8001h*

**