**COA-LAB**

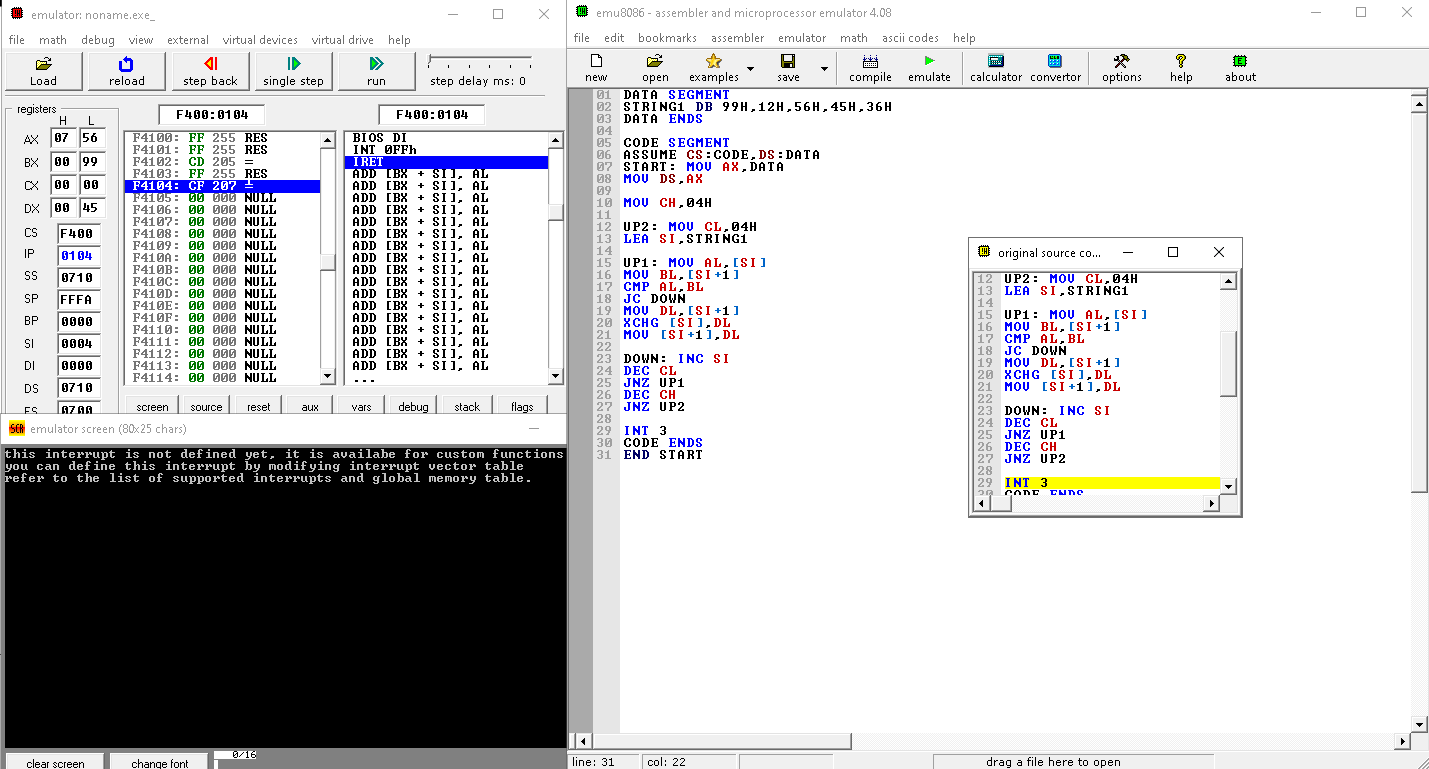
**LAB-9**

**Name: Aditya Pratap Singh Chauhan**

**Enroll: 9920103027**

**Batch: F1**

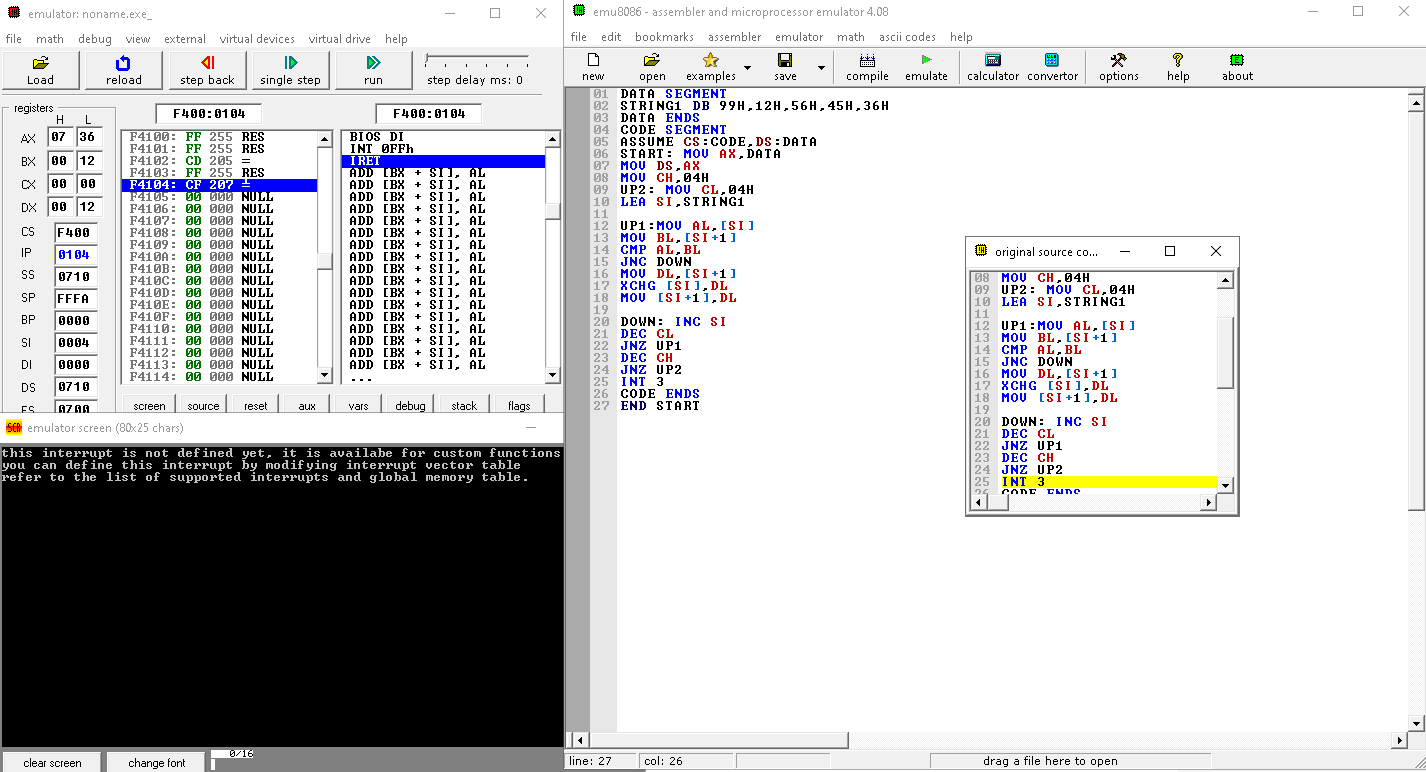
**1.Write a program in 8086 microprocessor to sort numbers in ascending order in an array of n numbers, where size “n” is stored at memory address 2000 : 500 and the numbers are stored from memory address 2000 : 501.**

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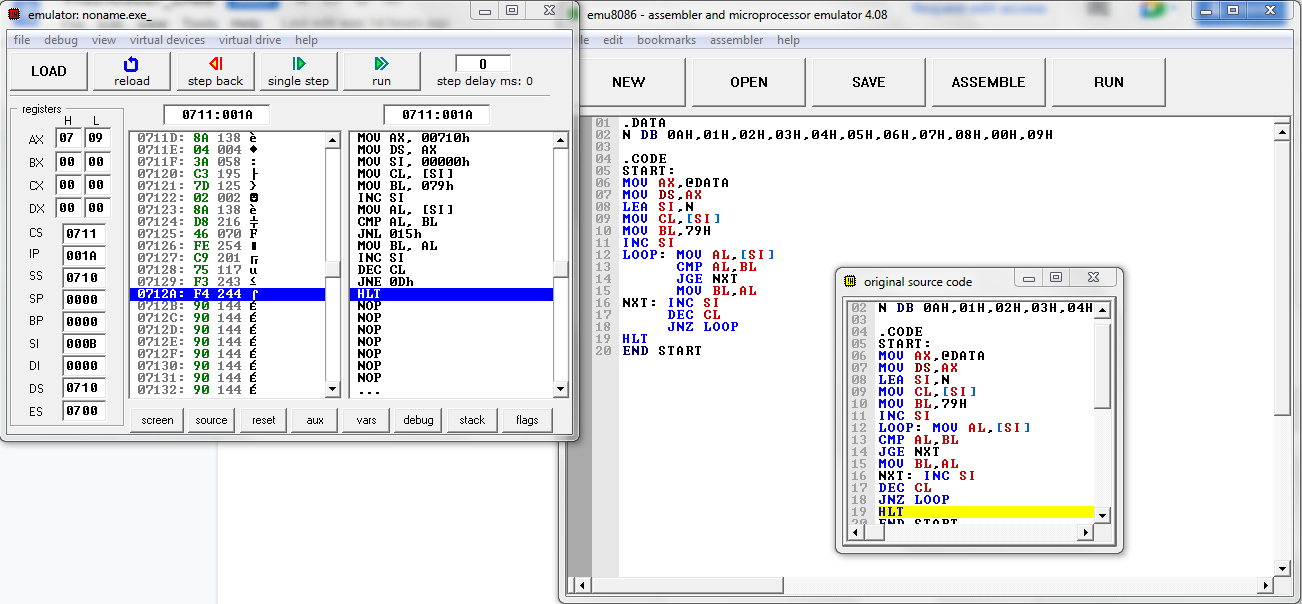
**2. Write a program in 8086 microprocessor to sort numbers in descending order in an**

**array of n numbers, where size “n” is stored at memory address 2000 : 500 and the**

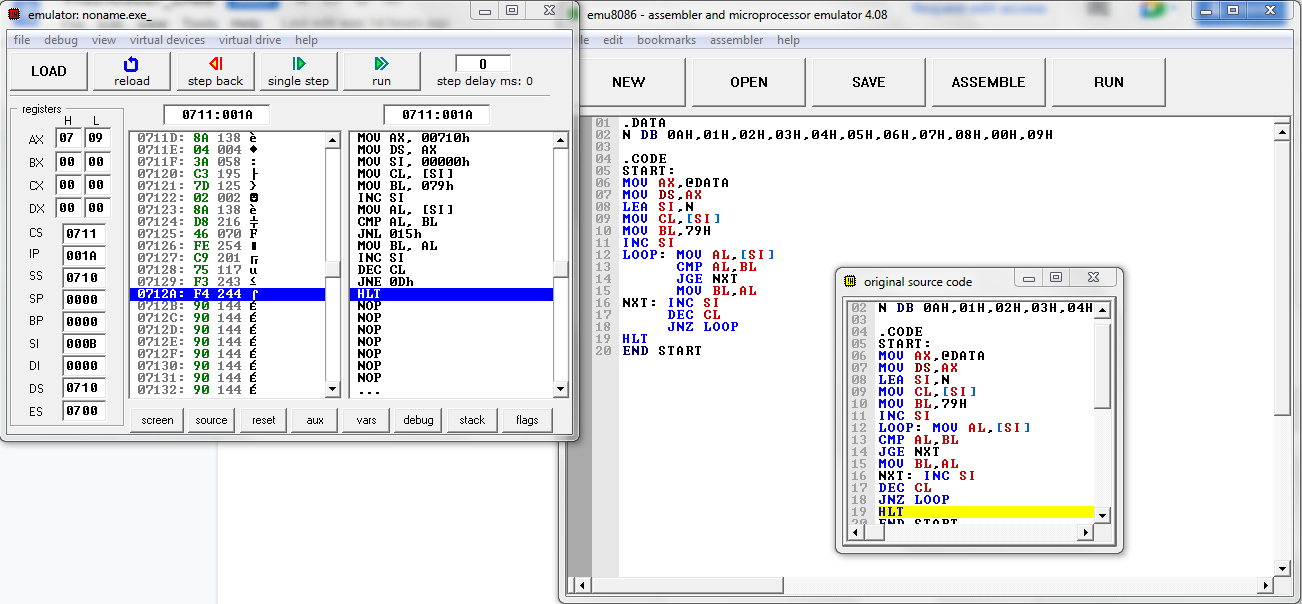
**numbers are stored from memory address 2000 : 501.**

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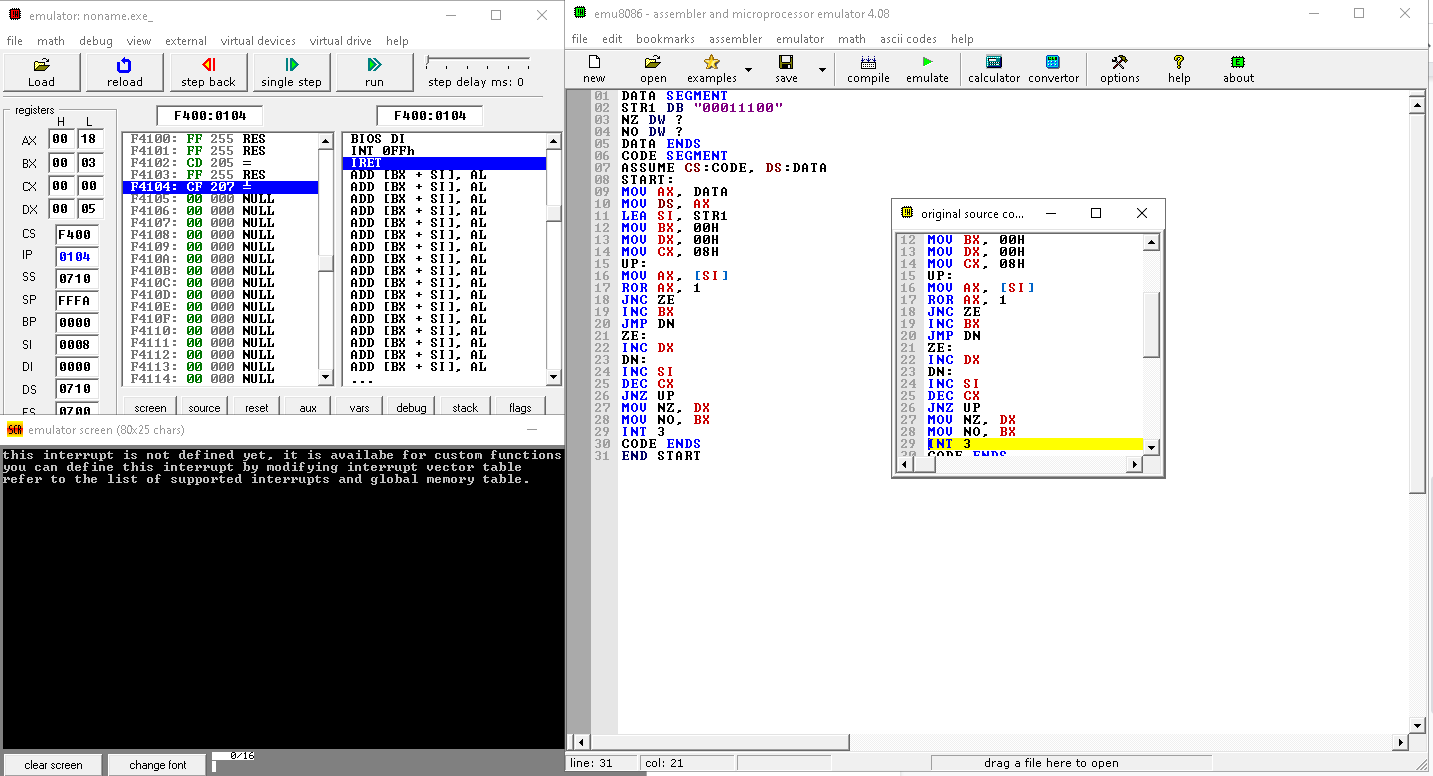
**3.8086 program to find the min value in a given array.**

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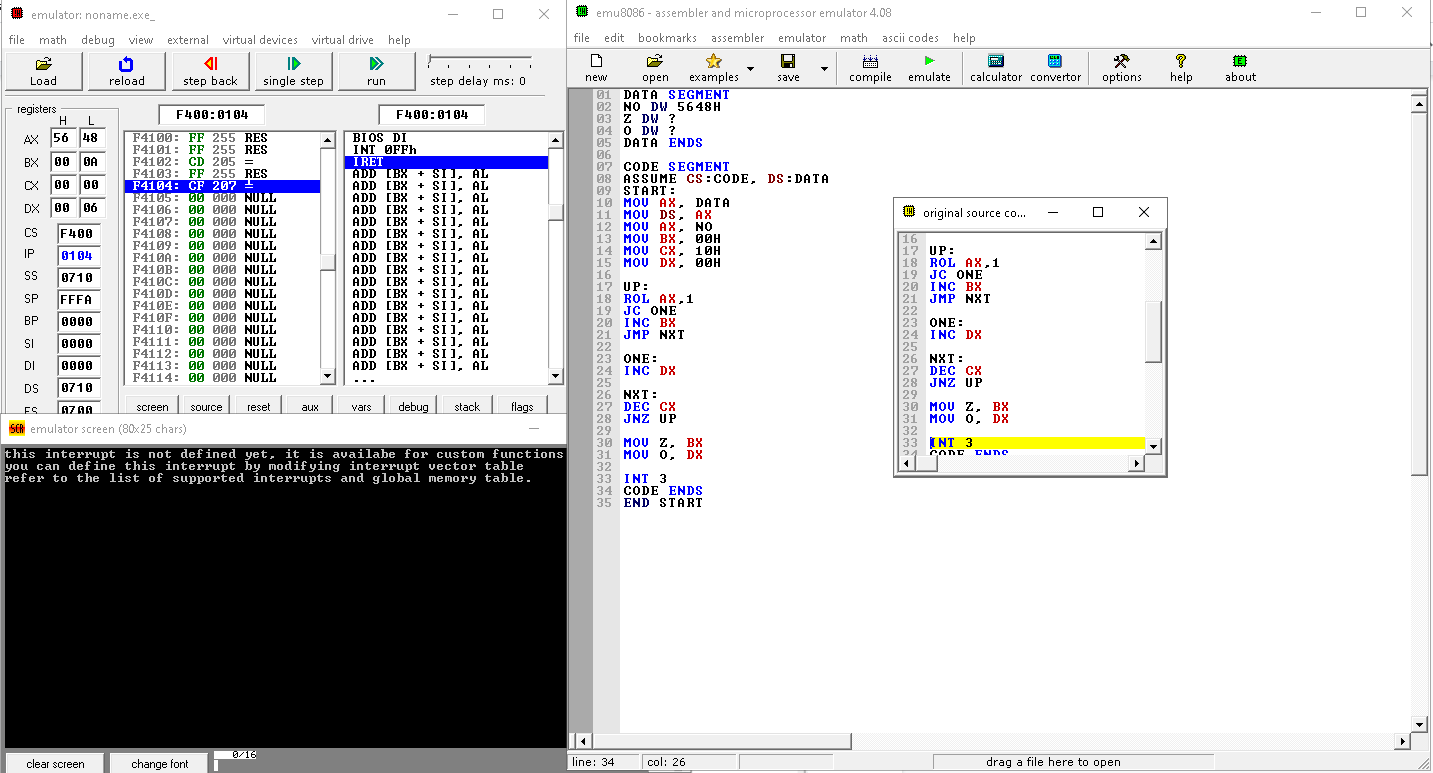
**4.8086 program to determine largest number in an array of n numbers.**

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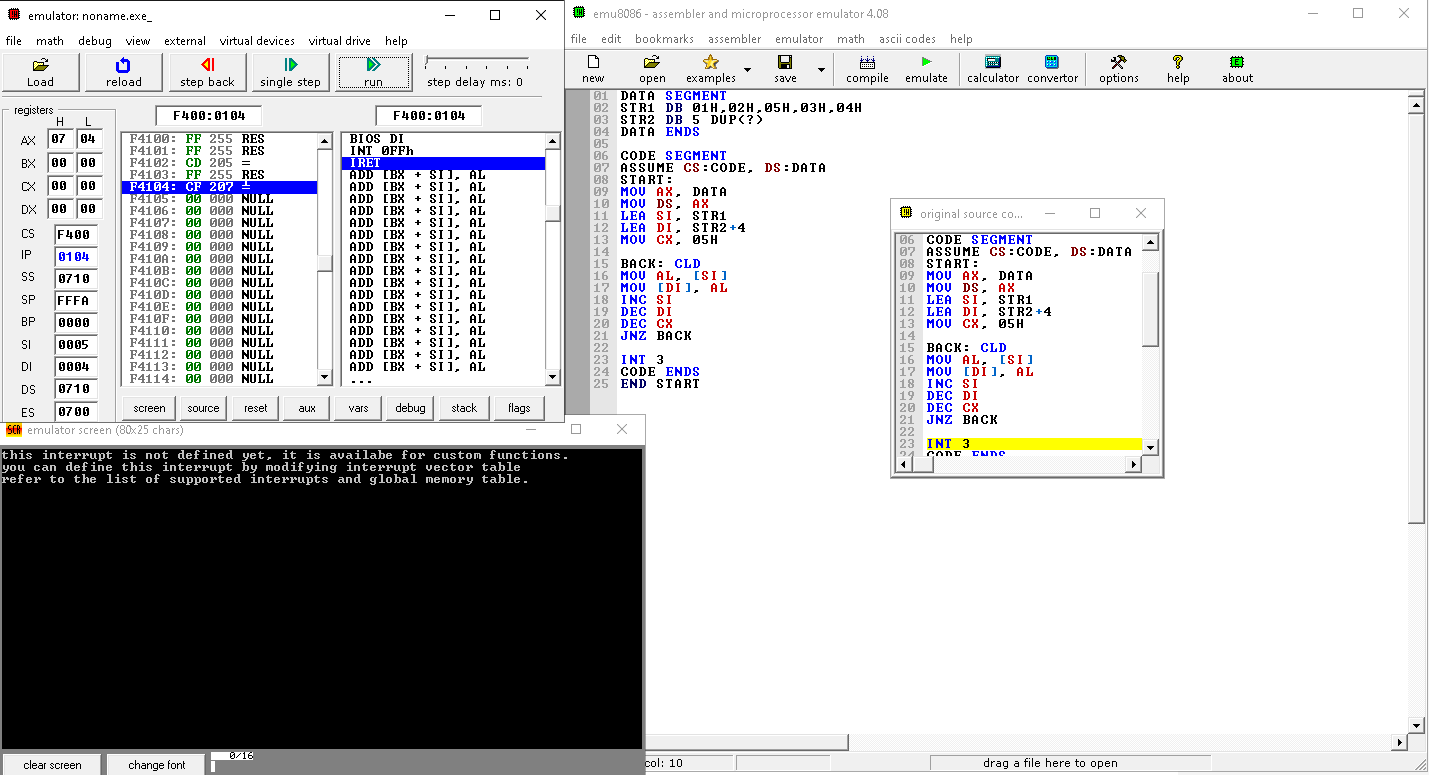
**5.8086-assembly-program-to-count-number-of-0s-and-1s-from-a-string.**

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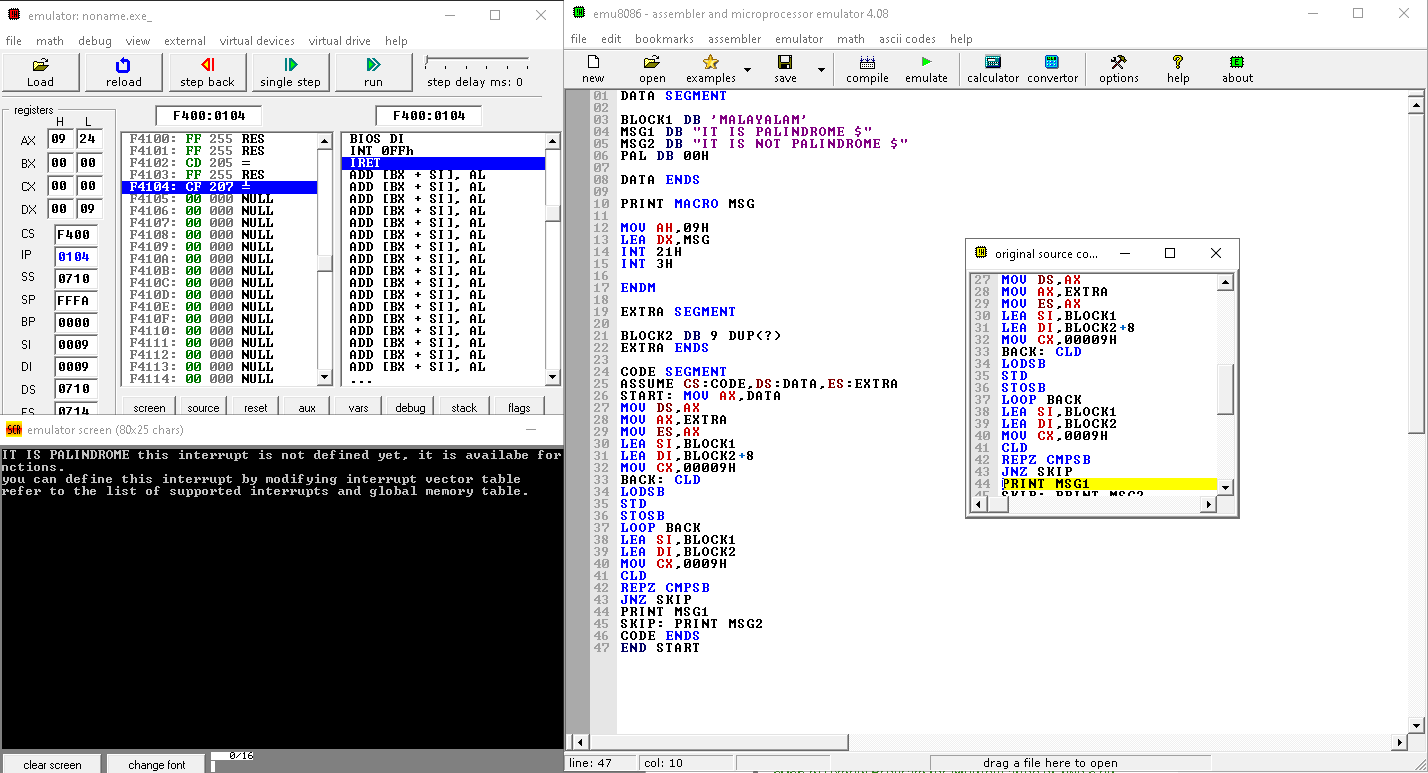
**6.8086-assembly-program-to-count-number-of-0s-and-1s-from-a-number.**

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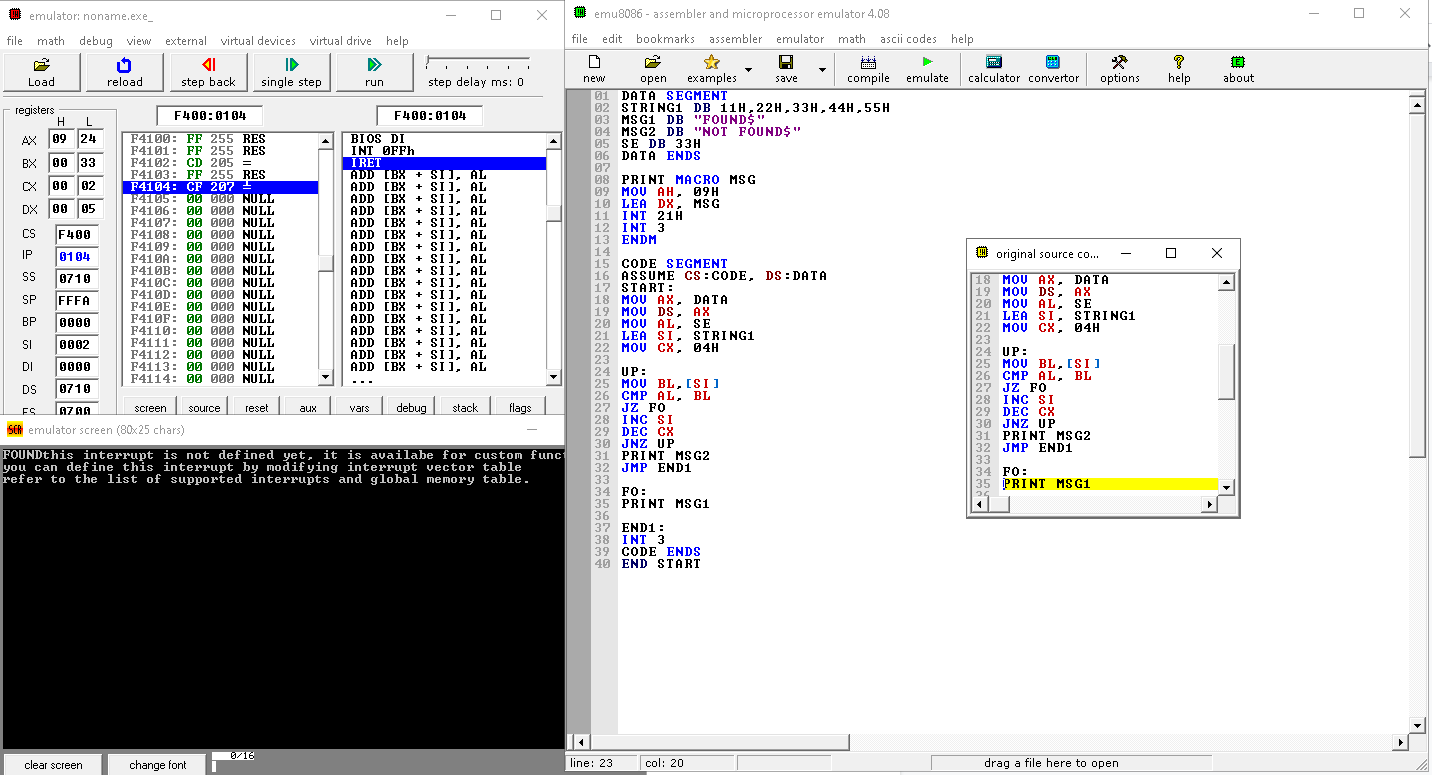
**7.8086-assembly-program-to-find-reverse-of-an-array.**

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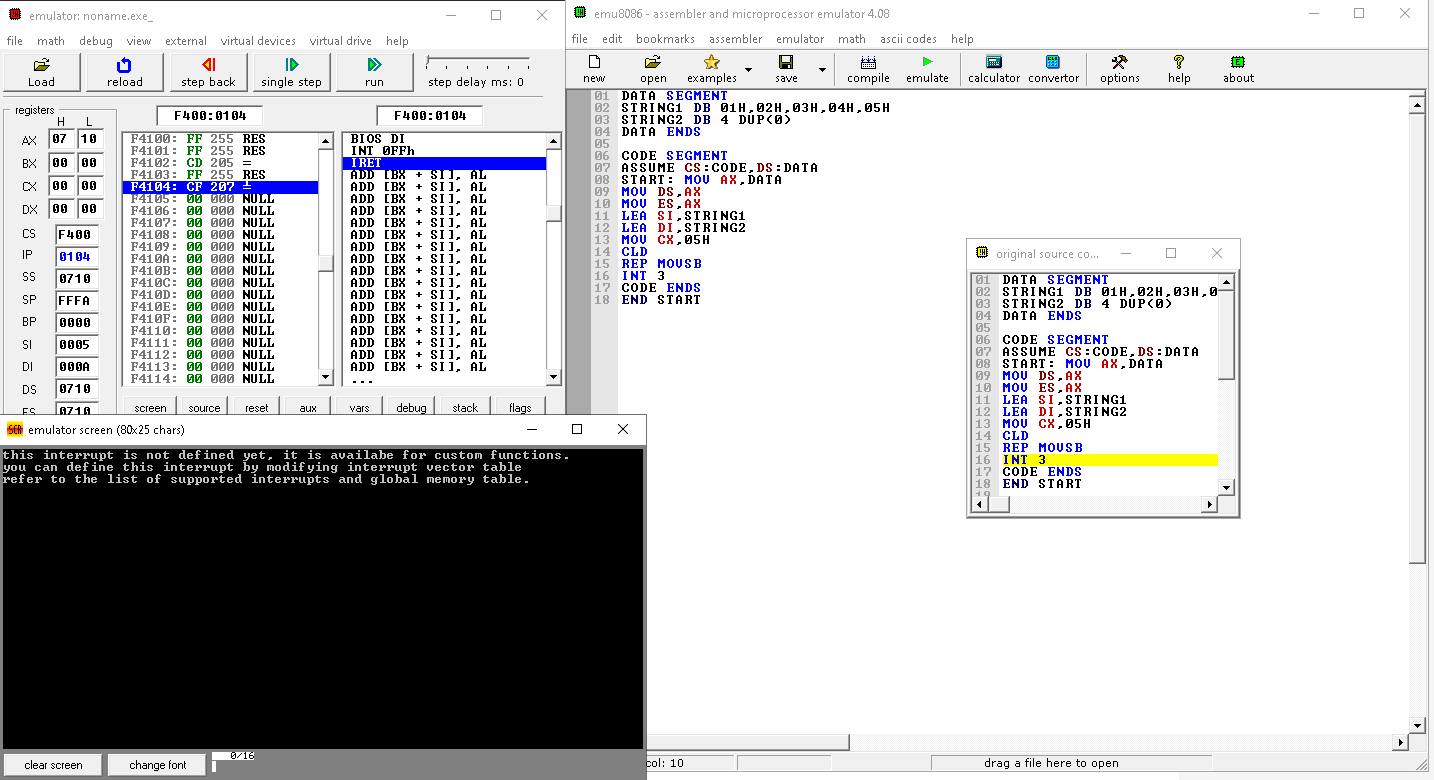
**8.8086-assembly-program-to-check-if-string-is-palindrome-or-not.**

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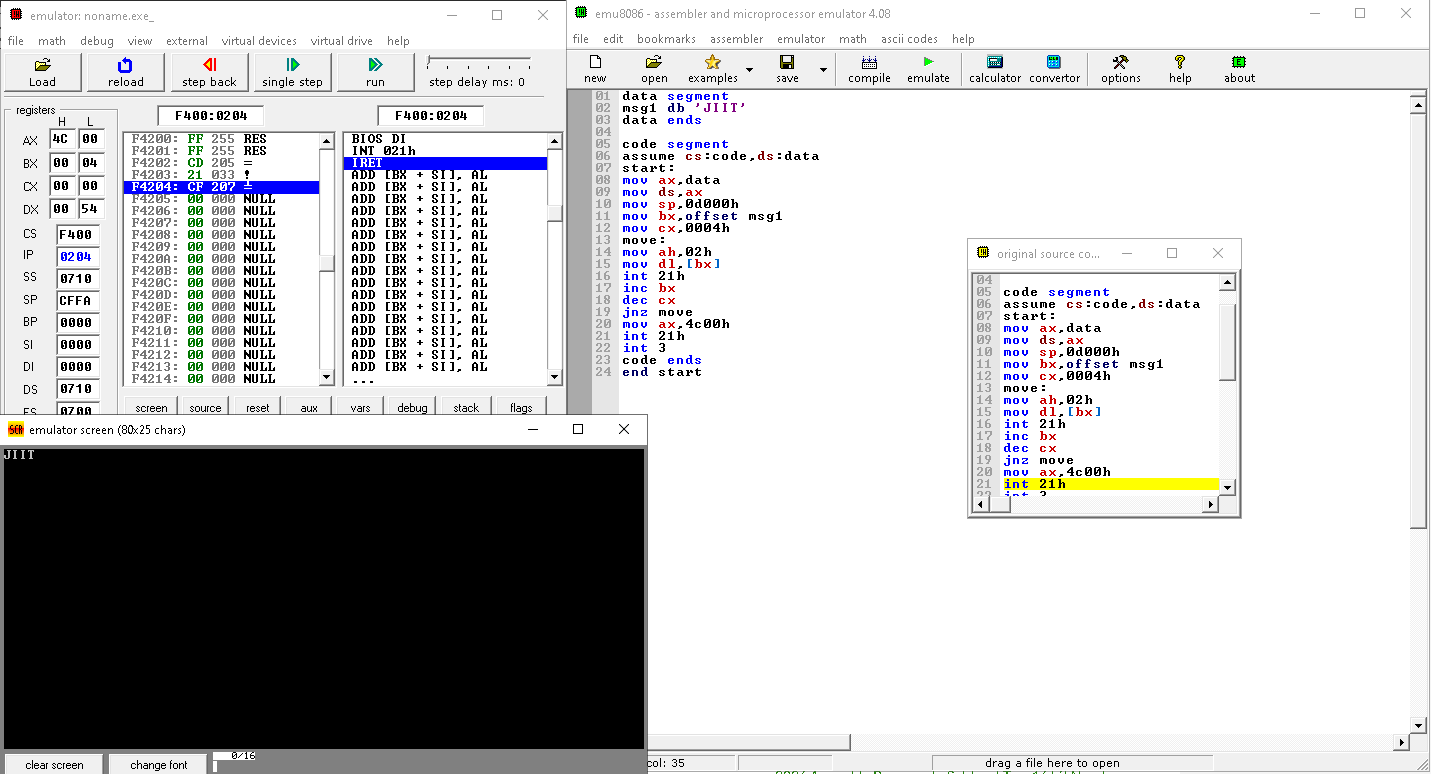
**9.8086-assembly-program-to-search-an-element-in-an-array.**

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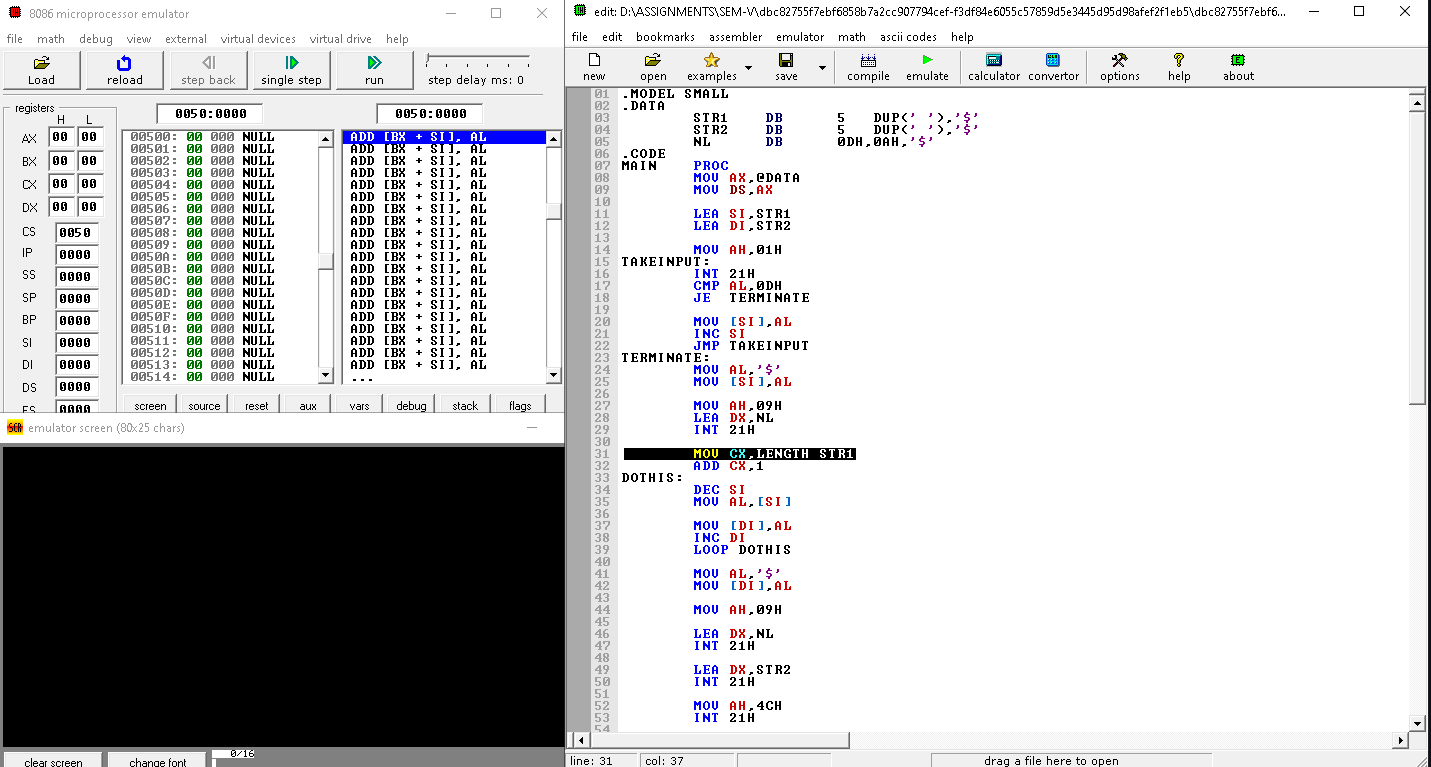
**10.The 8 data bytes are stored from memory location E000H to E007H. Write 8086 ALP to transfer the block of data to new location B001H to B008H.**

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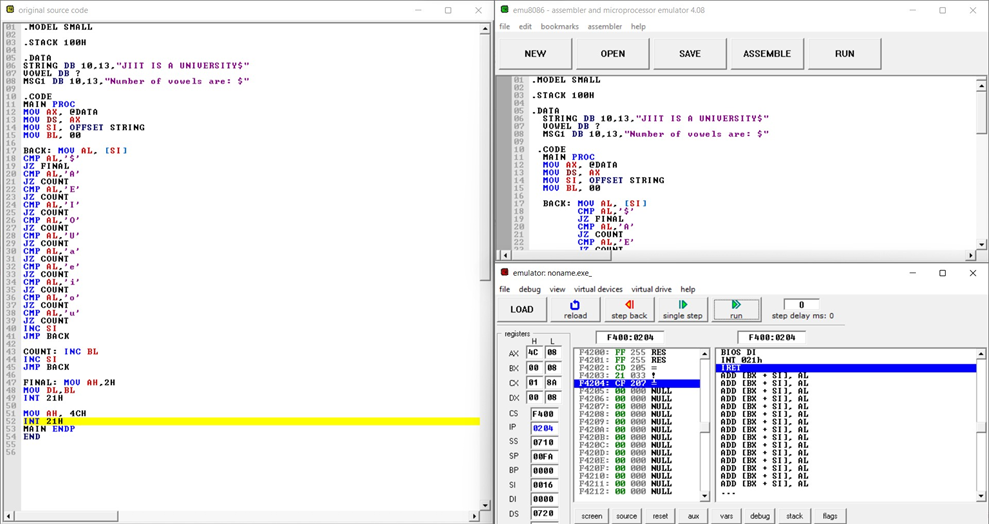
**11.Write a program to display string “JIIT” for 8086**

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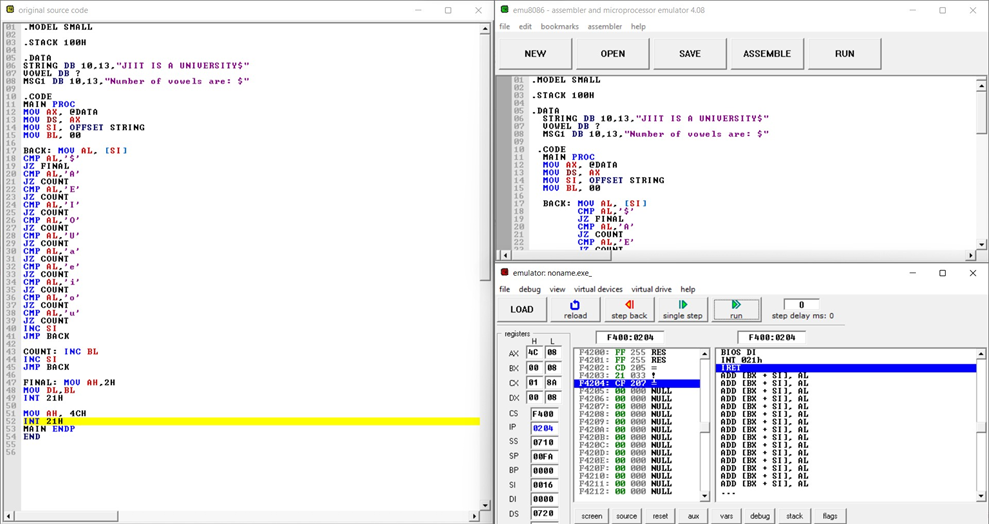
**12.Write a program to reverse the given string for 8086.**

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**13.Find number of times letter I exist in the string JIIT, Store the count at memory**

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**14.Write an assembly language program to count number of vowels in a given string**

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