Expt. - 08

Write & execute an assembly language program to find smallest & largest number from an array of 8 bit n numbers.

Answer practical related questions

a) Instruction needed to decide smallest number is

→ cmp al , [si]

   jc next

   mov al, [si]

b) Mention number of swaps required for finding largest number from the following array.

   DB 04H , 02H , 09H , 10H , 17H

→ Number of swaps required are → 3

c) Write flags affected after execution of cmp instruction.

→ i. Zero flag   ii. Carry flag   iii Sign flag

Conclusion:

After performing the experiment we understood the use of different instruction & finding the smallest & largest number