AIM: To compute descending order of an array using 8085 processor.	
ALGORITHM:	
1)	Initialize HL pair as memory pointer.
2)	Get the count at memory and load it into C register
3) require	Copy it in D register (for bubble sort (N-1)) times d).
4)	Get the first value in A register.
5)	Compare it with the value at next location.
6) If they are out of order, exchange the contents of A register and memory.	
7)	Decrement D register content by 1
8)	Repeat step 5 and 7 till the value in D register become zero.
9)	Decrement the C register content by 1.
10) Repeat steps 3 to 9 till the value in C register becomes zero.	

LOOP: LXI H,3500 MVI D,00 MVI C,05 LOOP1: MOV A,M INX H CMP M JNC LOOP2 MOV B,M MOV M,A DCX H MOV M,B INX H

PROGRAM:

MVI D,01

LOOP2: DCR C

JNZ LOOP1

MOV A,D

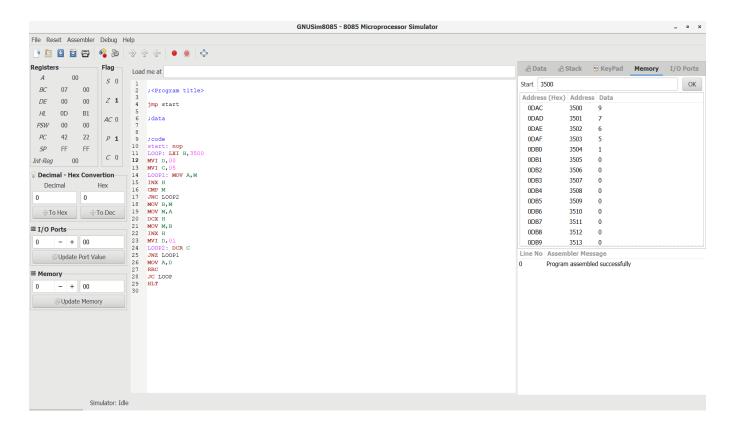
RRC

JC LOOP

HLT

INPUT:

OUTPUT:



RESULT: Thus

the program was executed successfully using 8085 processor simulator.