DESCENDING ORDER

EXP NO	D: 13				
AIM: To compute descending order of an array using 8085 processor.					
ALGOR	RITHM:				
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) and me	If they are out of order, exchange the contents of A register emory.				

Decrement D register content by 1

7)

8)	Repeat step 5 and 7 till the value in D register become zero.
9)	Decrement the C register content by 1.
10) Re _l zero.	peat steps 3 to 9 till the value in C register becomes
PROGR	AM:
LOOP: I	_XI H,3500
MVI D,0	00
MVI C,0	05
L00P1:	MOV A,M
INX H	
СМР М	
JNC LO	OP2
MOV B,	M
MOV M	,A

INX H			
MVI D,01			
LOOP2: DCR C			
JNZ LOOP1			
MOV A,D			
RRC			
JC LOOP			
HLT			

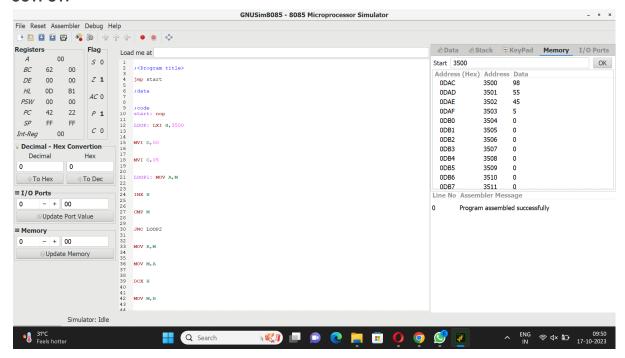
DCX H

MOV M,B

INPUT:

Address (Hex)	Address	Data
0DAC	3500	5
0DAD	3501	45
0DAE	3502	55
0DAF	3503	77
0DB0	3504	98
0DB1	3505	99
0000	2506	^

OUTPUT:



RESULT: Thus

the program was executed successfully using 8085 processor simulator.