LARGEST NUMBER IN AN ARRAY

EXP NO	D: 10
	the largest number from an array 8085 processor.
ALGOR	RITHM:
1) pair.	Load the address of the first element of the array in HL
2)	Move the count to B register.
3)	Increment the pointer.
4)	Get the first data in A register.
5)	Decrement the count.
6)	Increment the pointer.
7) of A re	Compare the content of memory addressed by HL pair with that gister.

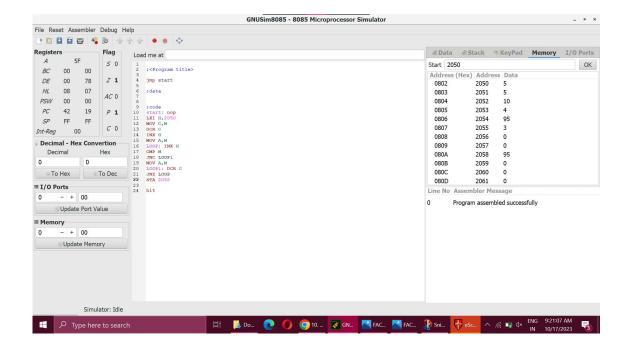
8)	If carry=0, go to step 10 or if carry=1 go to step 9
9)	Move the content of memory addressed by HL to A register.
10) De	ecrement the count.
PROGI	RAM:
LXI H,2	2050
MOV C	с,м
DCR C	
INX H	
MOV A	s,M
LOOP1	: INX H
CMP N	1
JNC LO	DOP
MOV A	s,M
LOOP:	DCR C
JNZ LO	DOP1

HLT

INPUT:

₩ Da	ata & Si	tack Abc	KeyPad	Memory	I/O Ports
Start	2050				ОК
Addr	ess (Hex)	Address	Data		## ###################################
080	2	2050	5		
080	3	2051	5		
080	4	2052	10		
080	5	2053	4		
080	6	2054	95		
080	7	2055	3		
080	8	2056	0		
080	9	2057	0		

OUTPUT:



RESULT: Thus

the program was executed successfully using 8085 processor simulator.