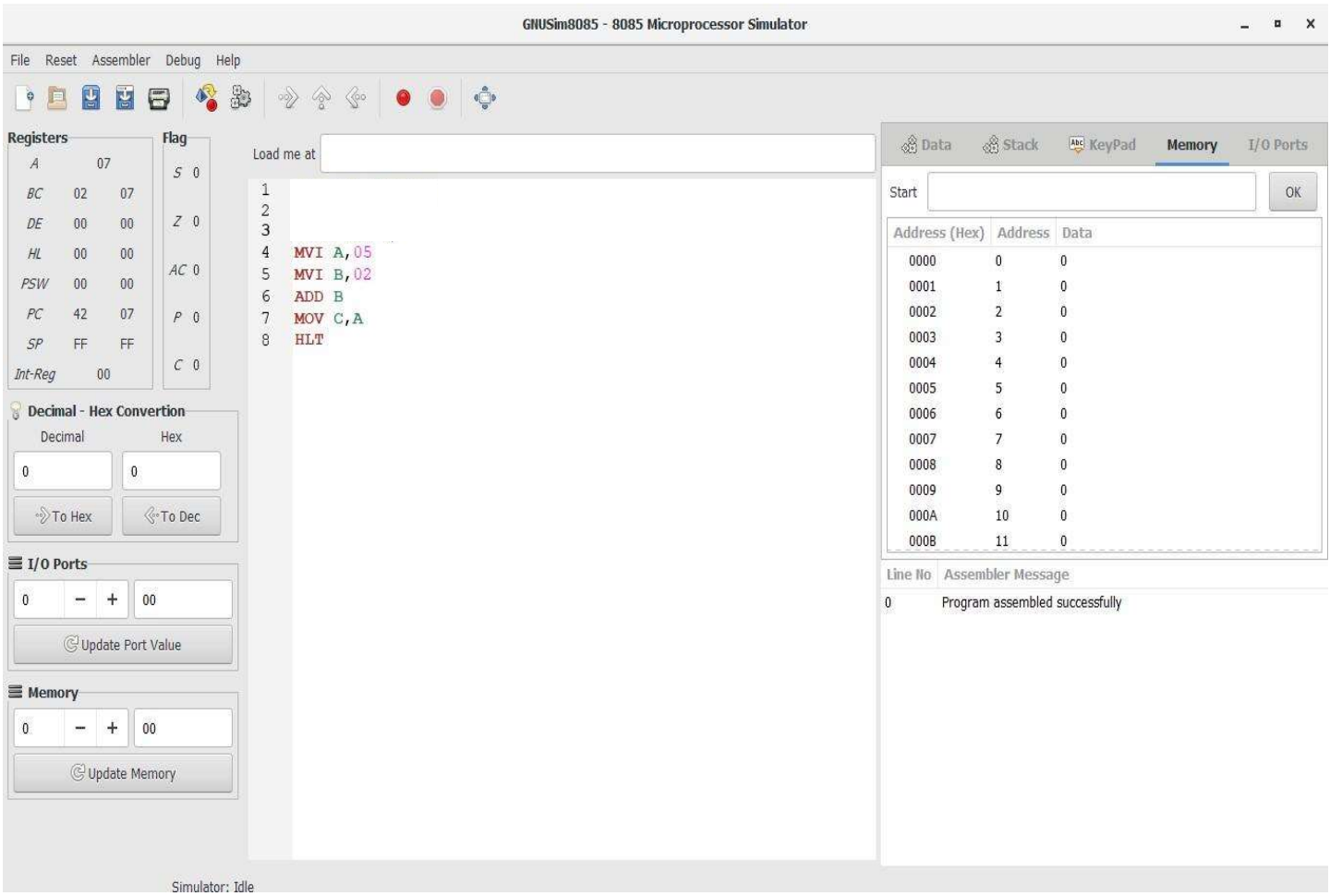
NAME : MD WASIF || ENROL: 19UICS002
SUBJECT : CAO Lab

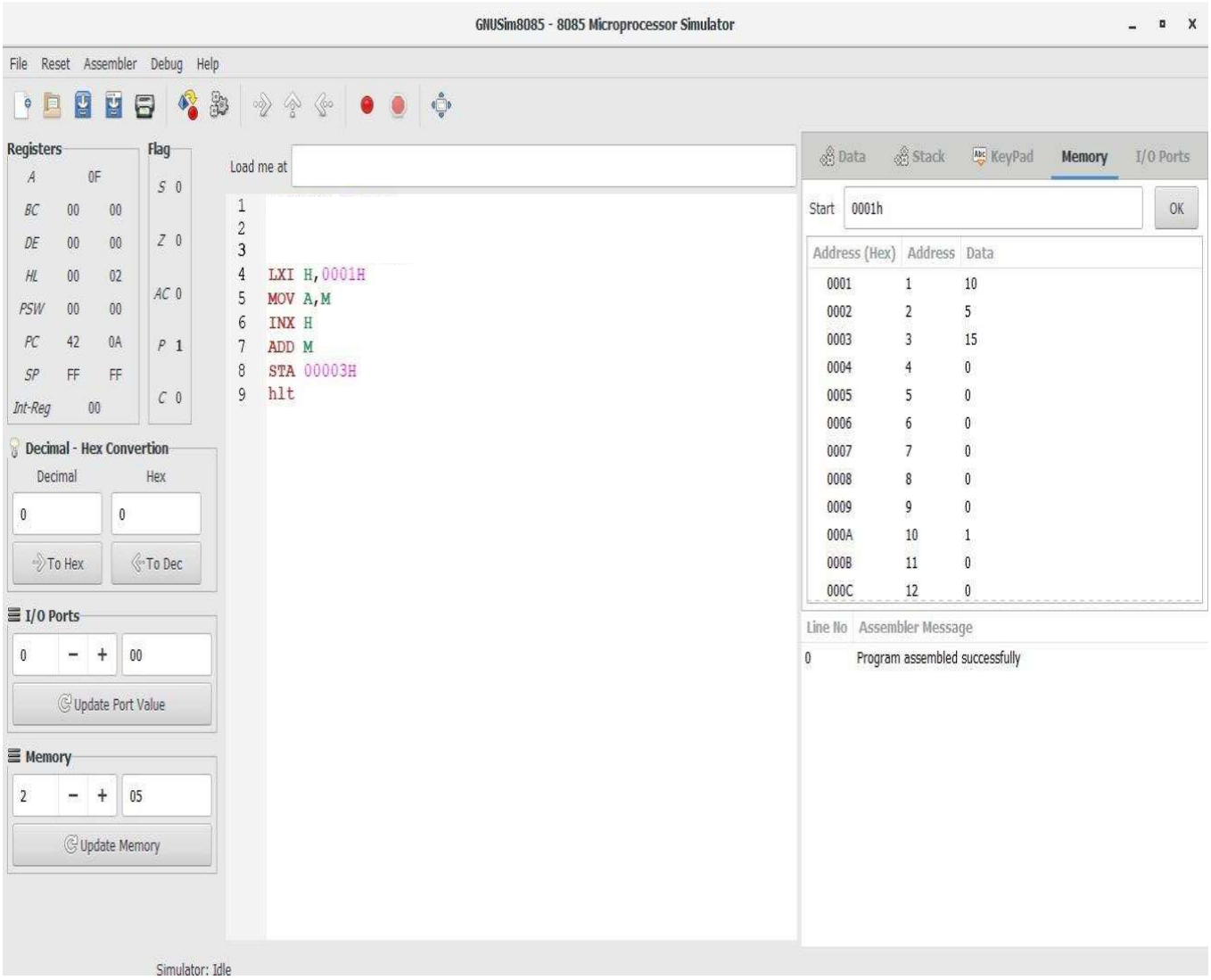
Experiment -1

Write a program for addition of two 8 bit numbers.

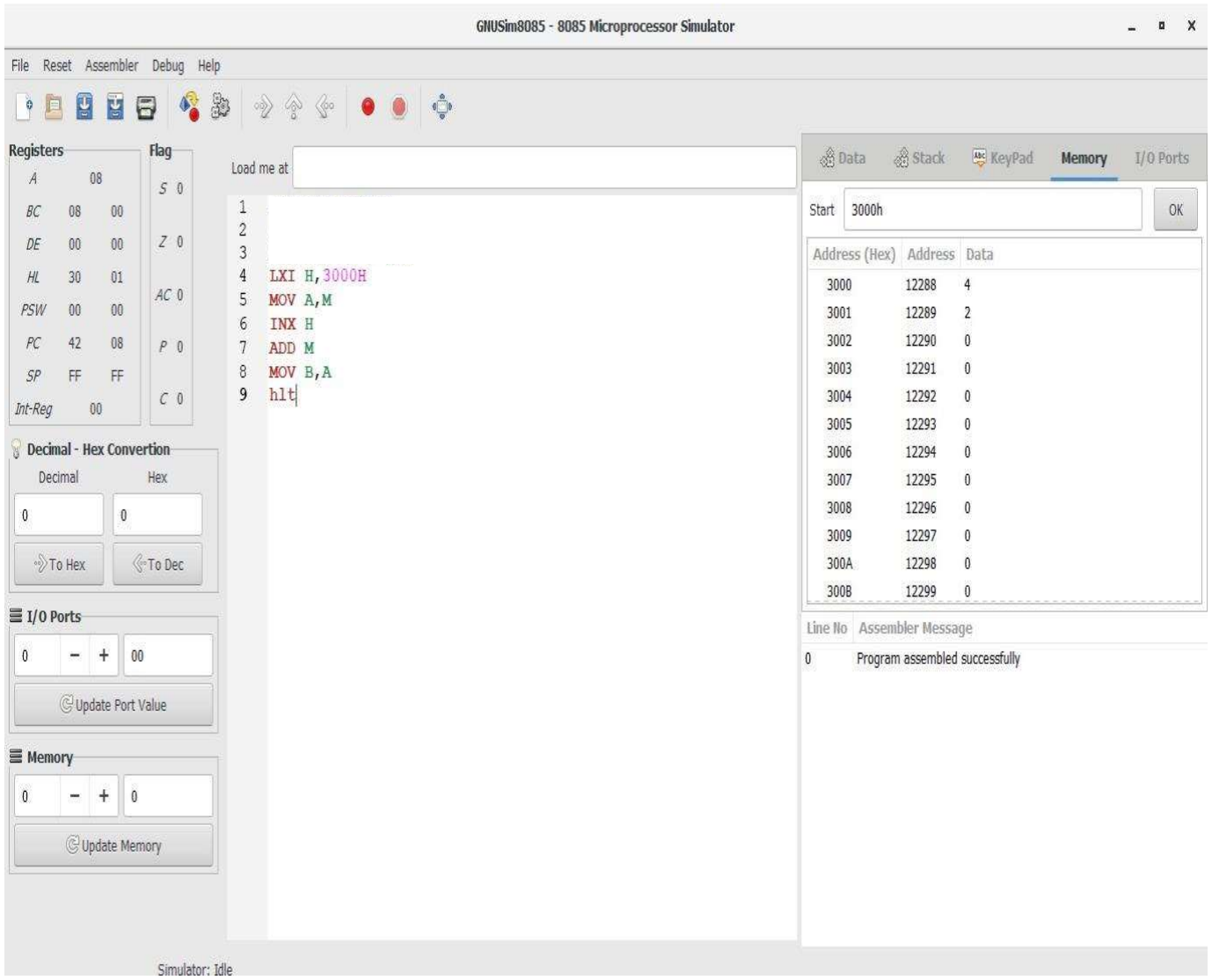
A)Aim: Addition using registers and storing result in registers.



B) Aim: Addition of numbers stored in memory and storing result in Memory.



C) Aim: Addition of numbers stored in memory and storing result in register.


GNUSim8085 - 8085 Microprocessor Simulator
File Reset Assembler Debug Help
Registers
A 08
BC 08 00
DE 00 00
HL 30 01
PSW 00 00
PC 42 08
SP FF FF
Int-Reg 00
Flag
S 0
Z 0
AC 0
P 0
C 0
Decimal - Hex Convertion
Decimal
Hex
0
0
To Hex
To Dec
I/O Ports
0 - + 00
Update Port Value
Memory
0 - + 0
Update Memory
Load me at
1
2
3
4 LXI H,3000H
5 MOV A,M
6 INX H
7 ADD M
8 MOV B,A
9 hlt
Data
Stack
KeyPad
Memory
I/O Ports
Start 3000h
OK
Address (Hex) Address Data
3000 12288 4
3001 12289 2
3002 12290 0
3003 12291 0
3004 12292 0
3005 12293 0
3006 12294 0
3007 12295 0
3008 12296 0
3009 12297 0
300A 12298 0
300B 12299 0
Line No Assembler Message
0 Program assembled successfully
Simulator: Idle