SWAPPING
OF NUMBERS

EXP NO: 15

AIM:
To compute swapping of numbers using 8085 processor.

ALGORITHM:

1)
Load a 8-bit number from memory location into accumulator.

2)
Move value of accumulator into register H.

3)
Load a 8-bit number from next memory location into accumulator.

4)
Move value of accumulator into register D.

5)
Exchange both the registers pairs.

6)
Halt

PROGRAM:

LDA 2001

MOV B,A

LDA 2002

STA 2001

MOV A,B

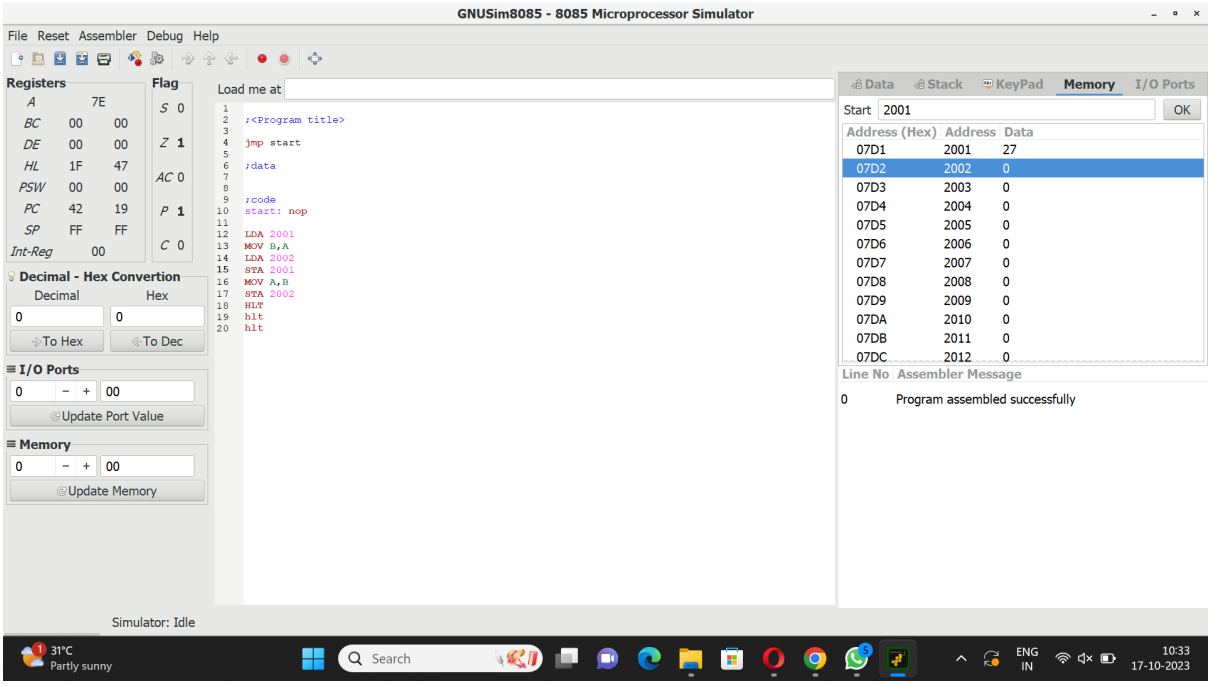
STA 2002

HLT

INPUT:

Address (Hex)	Address	Data
07D1	2001	27
07D2	2002	99

OUTPUT:



RESULT: Thus
the program was executed successfully using 8085 processor simulator.