

SWAPPING OF NUMBERS

EXP NO: 15

AIM: To compute swapping of numbers using 8085 processor.

ALGORITHM:

- 1) Load an 8-bit number from memory location into the accumulator.
- 2) Move the value of the accumulator into register H.
- 3) Load an 8-bit number from the next memory location into the accumulator.
- 4) Move the value of the accumulator into register D.
- 5) Exchange both the registered pairs.
- 6) Halt

PROGRAM:

LDA 2001

MOV B,A

LDA 2002

STA 2001

MOV A,B

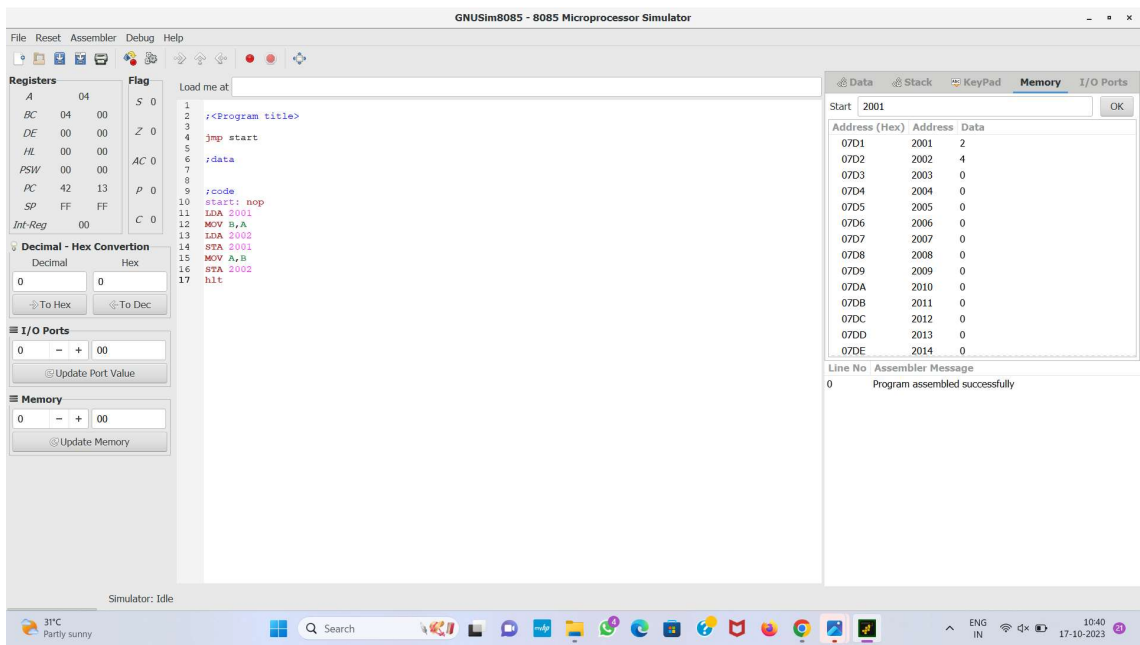
STA 2002

HLT

INPUT:

Start	<input type="text" value="2001"/>	<input type="button" value="OK"/>
Address (Hex)	Address	Data
07D1	2001	4
07D2	2002	2

OUTPUT:



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