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:

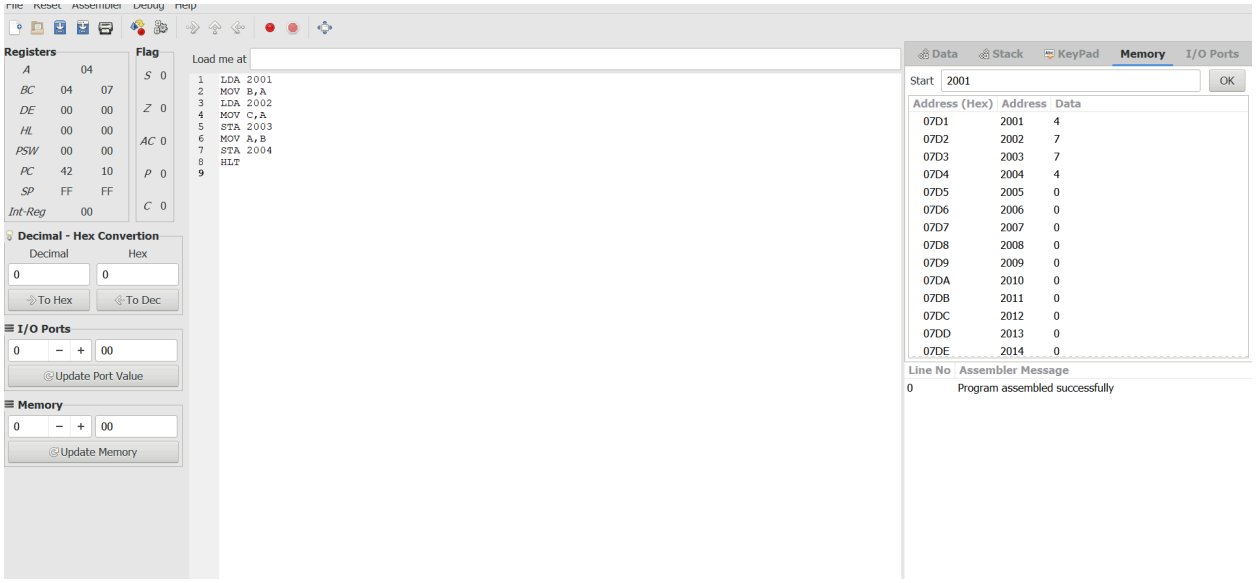
```
LDA 2001
MOV B,A
LDA 2002
MOV C,A
STA 2003
MOV A,B
STA 2004
HLT
```

INPUT:

4

7

OUTPUT:



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