12.Write an assembly language program to find factorial of n in the given number.

AIM: To find factorial of n in the given number using assembly language.

RESULT:-

Hence the designing of the 2-bit half adder using logisim simulator has been implemented successfully.

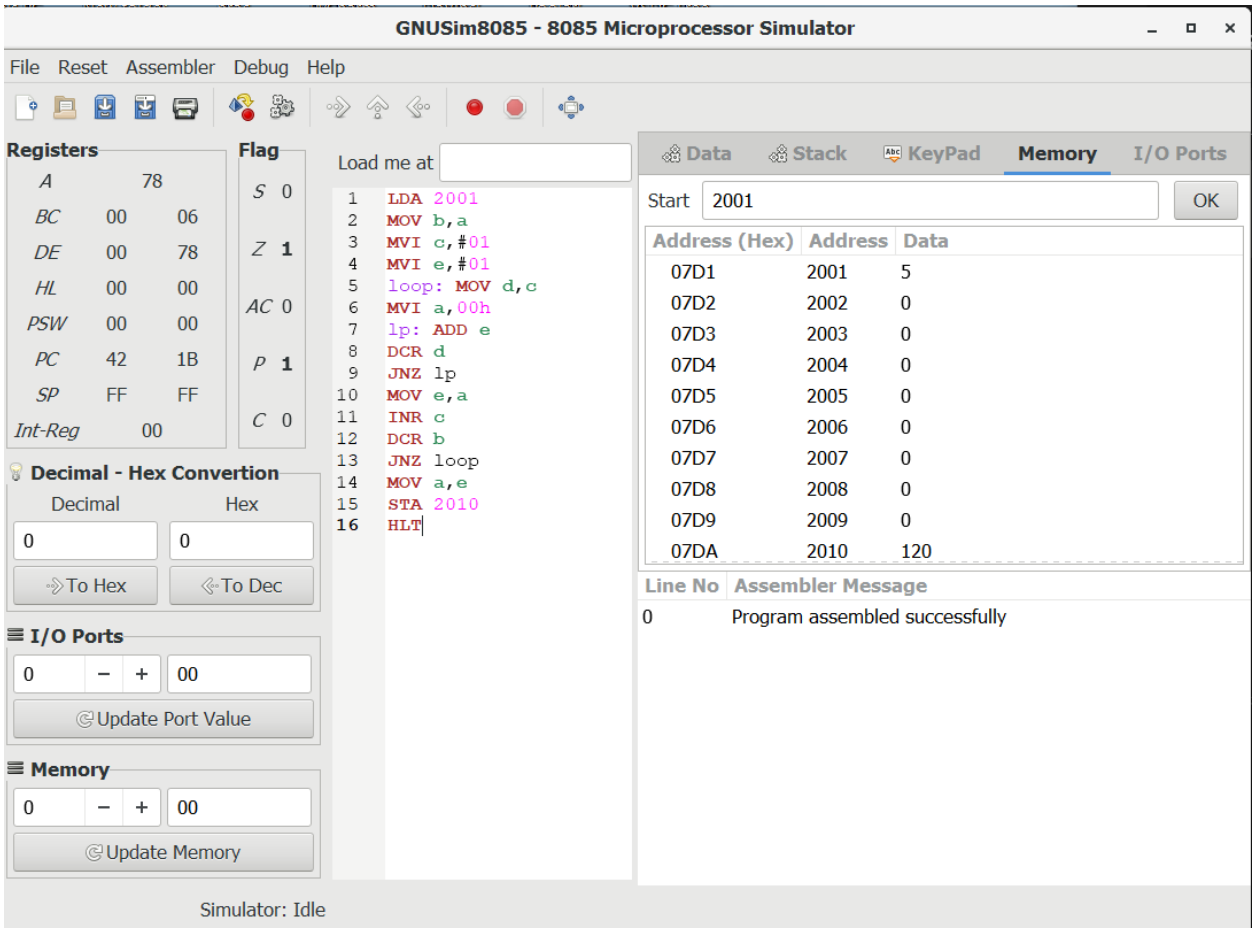
ALGORITHM:

1.First set register B with data

2.Set register D with data by calling MULTIPLY subroutine one time.

3.Decrement B and D to itself B times by calling MULTIPLY subroutine.

4.Repeat the above step till B reaches 0.



RESULT:

Thus the assembly language program to find factorial of n in the given number is successfully executed.