EXP NO: 8

AIM: To find the factorial of a given number using 8085 microprocessor.

ALGORITHM:

1) Load the data into register B

2) To start multiplication set D to 01H

3) Jump to step 7

4) Decrements B to multiply previous number

5) Jump to step 3 till value of B>0

6) Take memory pointer to next location and store result

7) Load E with contents of B and clear accumulator

8) Repeatedly add contents of D to accumulator E times

9) Store accumulator content to D

10) Go to step 4

