

② Aim:- Find factorial of a Number using 8086.

Pseudo Code :-

data segment

A db 5

code segment

assume CS : code, ds : data

start:

mov ax, data

mov ds, ax

mov ah, 00

mov al, A

21: dec a

mul A

mov cl, a

cmp cl, 01

Jnz 21

mov ah, 4ch

int 21H

code ends

end start.

8086 simulator :-

Screenshot attached in file uploaded.

Result :-

Factorial of the input (5) is calculated.