

MICROPROCESSOR LAB

EXPERIMENT 2

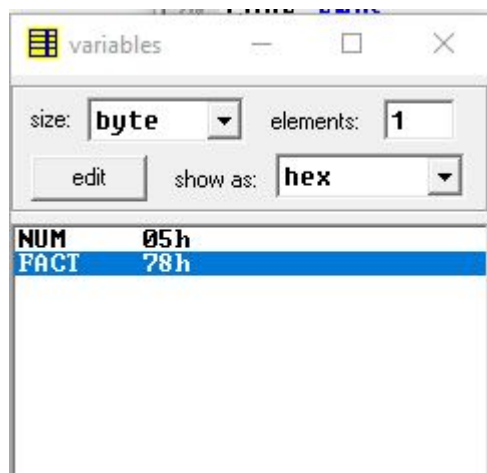
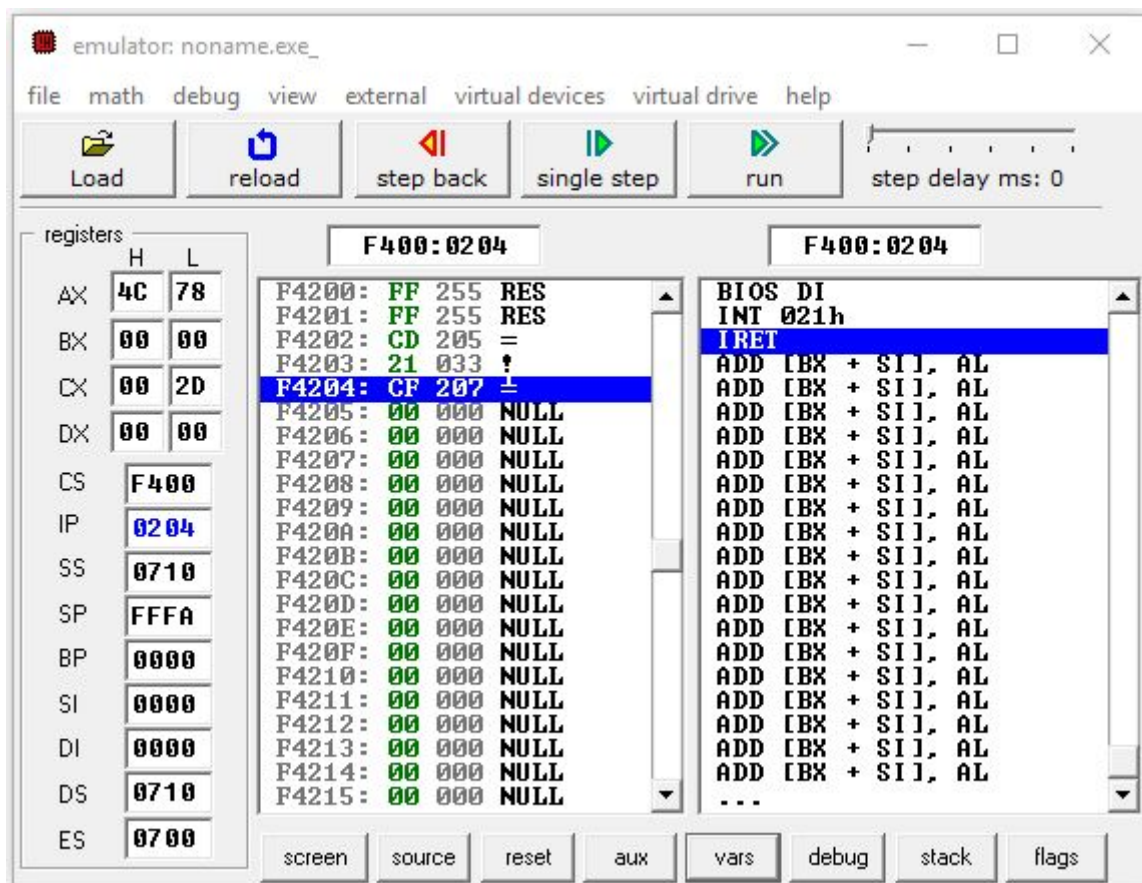
GAIS AMEER
S6 CSE
ROLL 33

2. Factorial of a number

Program

```
DATA SEGMENT
    NUM DB 5H
    FACT DB ?
DATA ENDS
CODE SEGMENT
ASSUME DS:DATA CS:CODE
START:
    MOV AX,DATA
    MOV DS,AX
    MOV BL,NUM
    MOV AL,01H
    CMP BX,00H
    JZ LOOP2
    LOOP1:MUL BL
    DEC BL
    JNZ LOOP1
    LOOP2:MOV FACT,AL
    MOV AH,4CH
    INT 21H
CODE ENDS
END START
```

Output



Result

Executed program to find Factorial of a number in emu8086 and obtained the output.