



UNIVERSITY OF INFORMATION  
TECHNOLOGY AND SCIENCES (UITS)  
DEPARTMENT OF INFORMATION TECHNOLOGY

LAB No.1

312 : ASSEMBLY PROGRAMMING LANGUAGE LAB

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## Input Variables

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*Submitted To:*

Sifat Nawrin Nova  
Lecturer,  
Department of IT, UITS

*Submitted By:*

Name:Nazmul Zaman  
Student ID:2014755055  
Department of IT, UITS

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# 1 Objectives

In this lab I'm going to learn how to input a variable in 8086 Assembly Language.

```
1
2 .model small
3 .stack 100h
4 .data
5 msg1 db ?
6 .code
7 main proc
8 mov ax, @data
9 mov ds, ax
10
11 mov ah, 1
12 int 21h
13 mov bl, al
14 mov msg1, bl
15
16 mov ah, 2
17 mov dl, 10
18 int 21h
19 mov dl, 13
20 int 21h
21
22 mov ah, 2
23 mov dl, msg1
24 int 21h
25
26 jmp exit
27
28 exit:
29 mov ah, 4Ch
30 int 21h
31
32 main endp
33 end main
```

Figure 1: Code for : x86 Code

2 Output

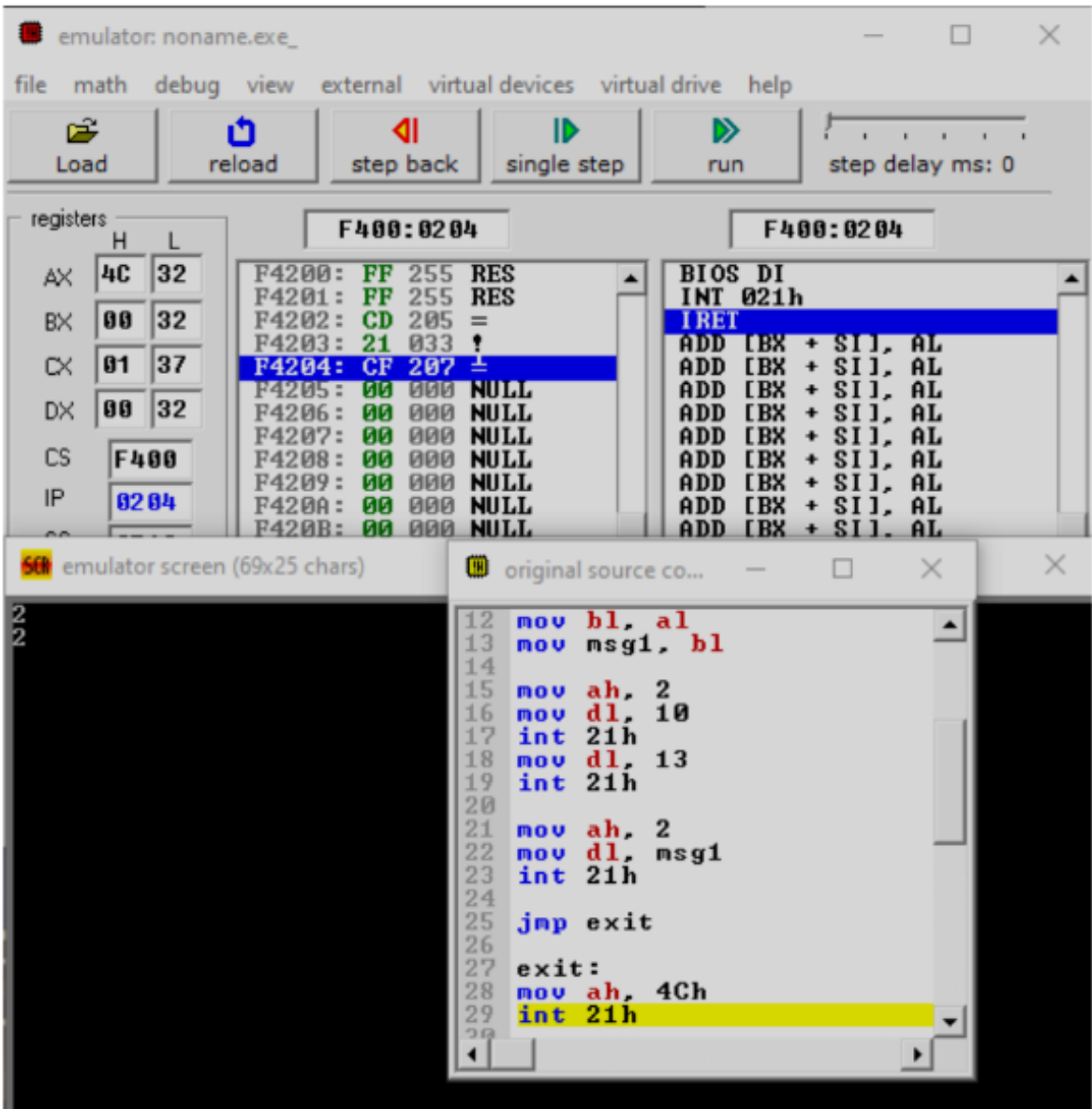


Figure 2: Multiplication table

### **3 Conclusion**

In this lab I have learned about how to input a variable in 8086 Assembly programming Language.