

ASSEMBLY PROGRAMMING LANGUAGE LAB

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# Matrix forming using loop

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## Contents

<b>1</b>	<b>Objectives</b>	<b>2</b>
<b>2</b>	<b>Code</b>	<b>2</b>

## 1 Objectives

In this lab I'm going to learn program how to print Matrix forming using loop and in assembly programming language.

## 2 Code

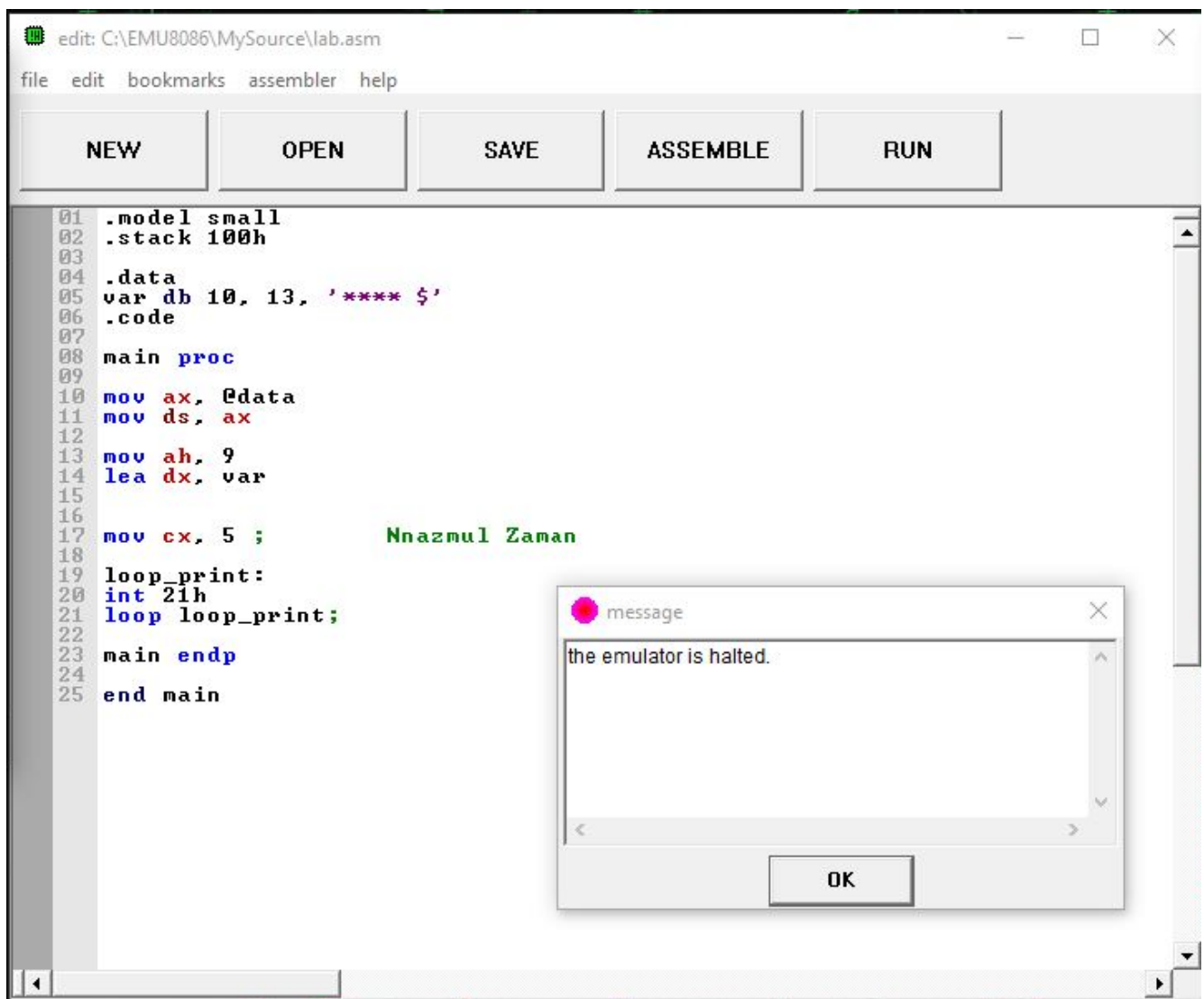


Figure 1: Counter loop

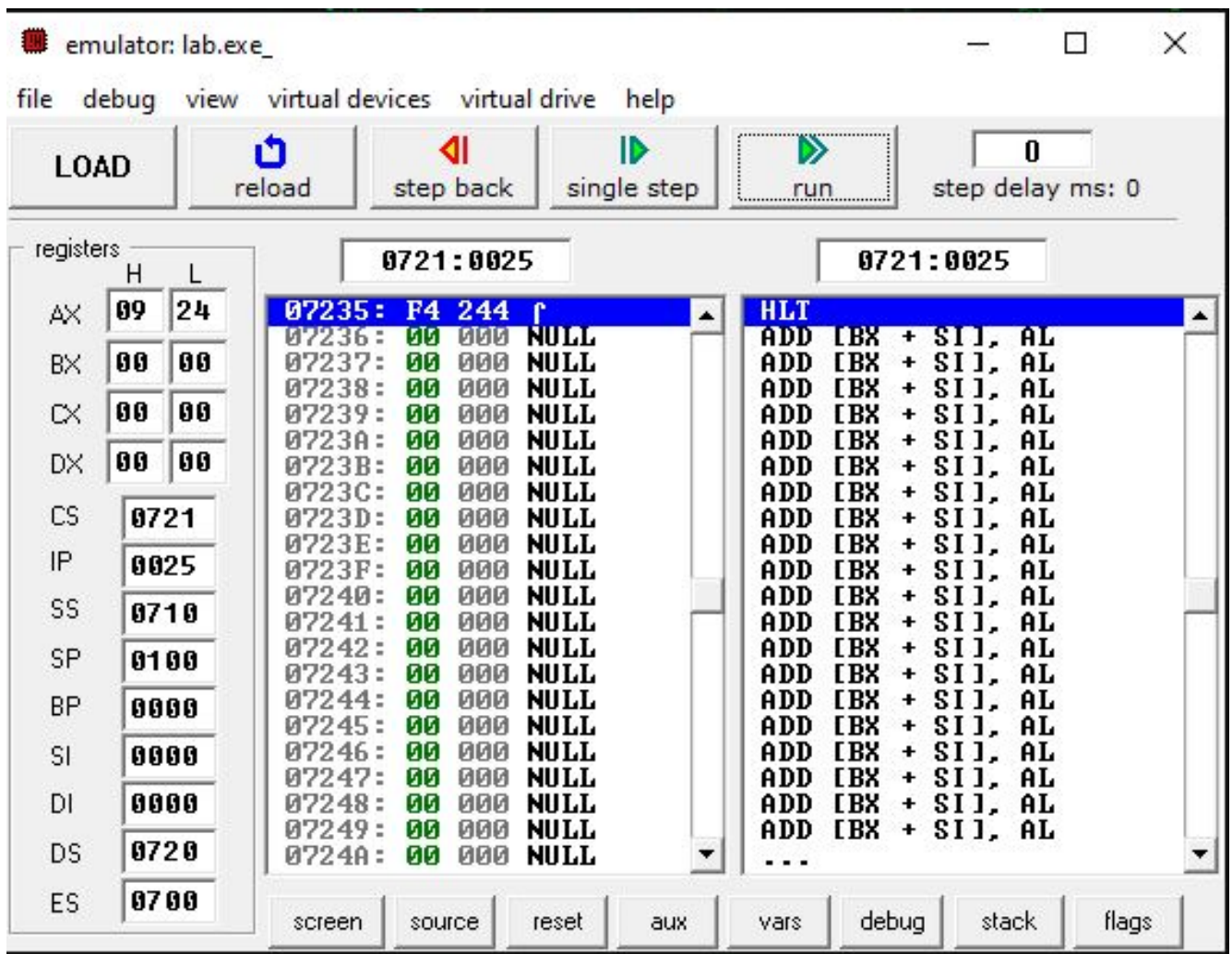


Figure 2: Counter loop

```
*****
*****
*****
*****
*****

04 .data
05 var db 10, 13, '***** $'
06 .code
07
08 main proc
09
10 mov ax, @data
11 mov ds, ax
12
13 mov ah, 9
14 lea dx, var
15
16
17 mov cx, 5 ; Nnazm
18
19 loop_print:
20 int 21h
21 loop loop_print;
22
```

clear screen change font 0/16

Figure 3: Counter loop