Data Structure and Algorithms

Lab Report

Name:	Muhammad Arslan Ishaq
Registration #:	CSU-F16-112
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Submitted To:	Maam Mehreen Shah

The University of Lahore, Islamabad Campus
Department of Computer Science & Information Technology

Experiment # 1
ASSEMBLY LANGUAGE Code

Objective

The objectives of this lab session are to understand the basic and various operations on Memory operations in Assembly Language.

Software Tool

1. Emu8086

1 Code

```
org 100h

Mov Al, var1
Mov Bx, var2

var1 DB 2
var2 DW 123h
ret \\  \\
```

Outputs:

1

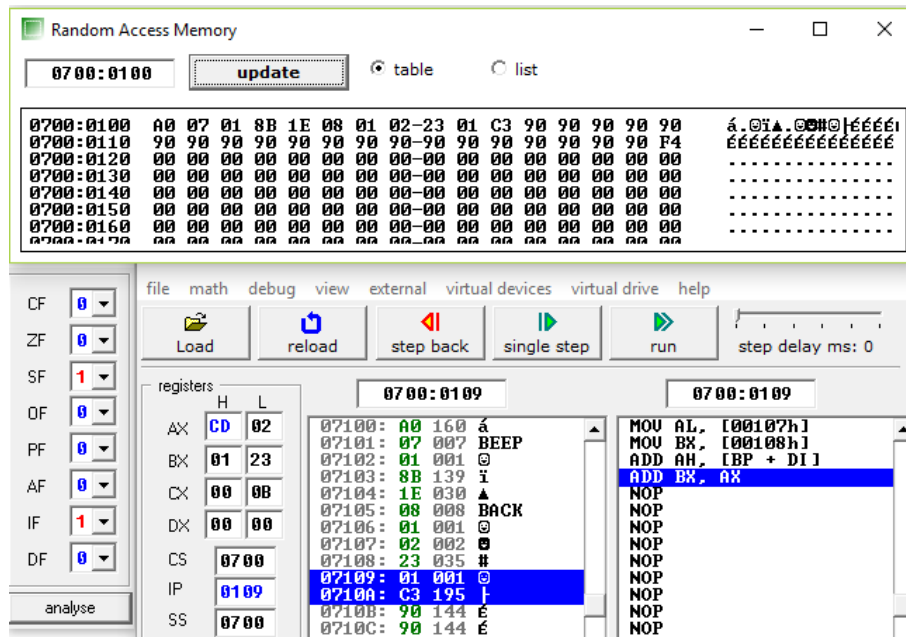**Figure : 1 (After 1st Execution)**
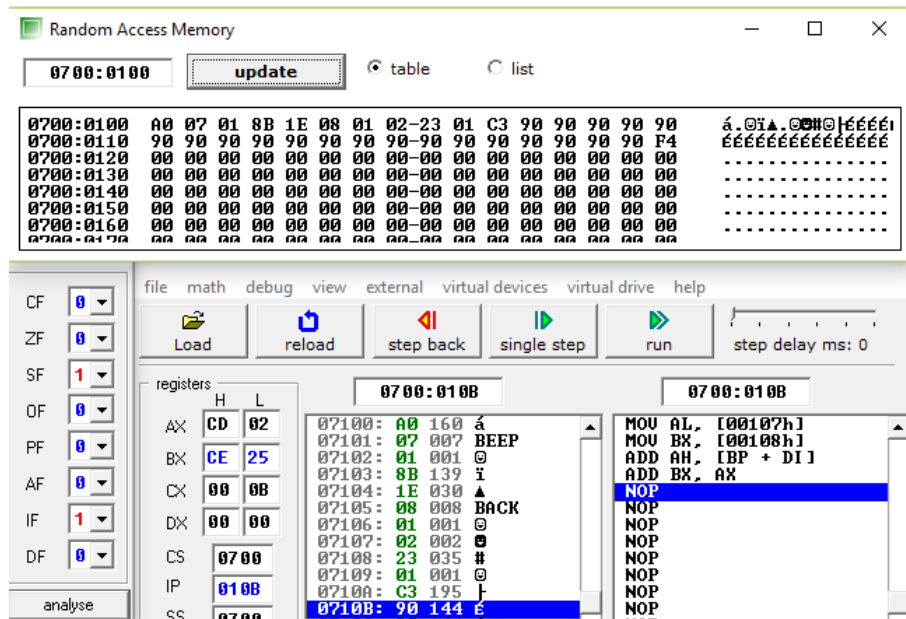

Figure : 2(After 2nd Execution)

Figure : 3(After 3rd Execution)

Figure : 4 (After 4th Execution)