**BITS** Pilani
Pilani Campus

**Nalanda**
The On-Campus Learning Management System
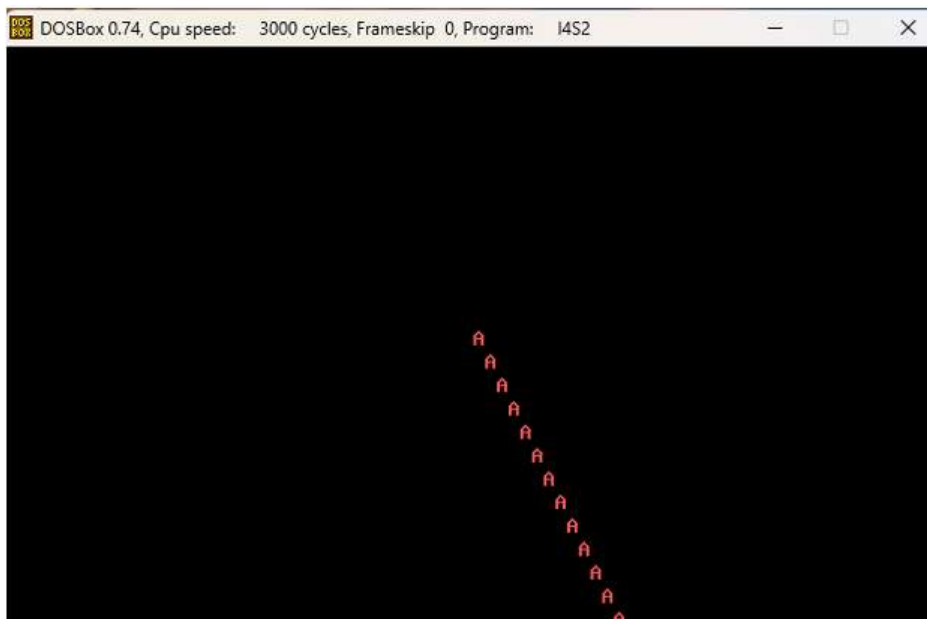
# Lab 9

**Question for P3/P4/**

**Write an ALP to display 'A' as a blinking red (with black background) along the diagonal from the center to the bottom, in VGA text mode 3 (80x25) as shown below.**

**The A should start from center. 13 As can be printed.**



**Question for P5/P6**

**Write an ALP to display the letter 'A' along the border of the screen while keeping the center area empty, in VGA text mode 3 (80x25). Display 'A' in white color with a black background (no blinking).**
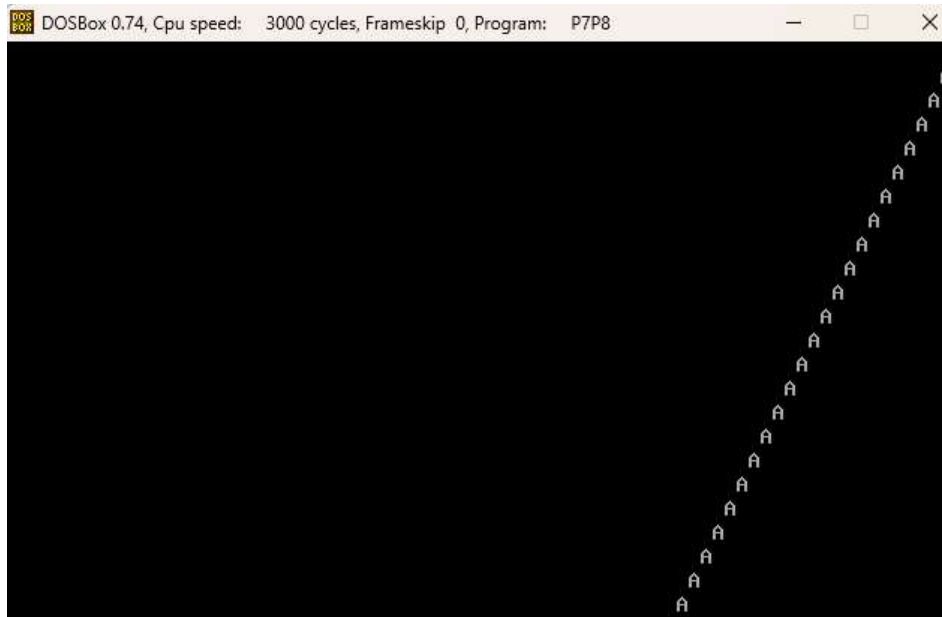
**Sample output:**

## Question for P7/P8

Write an ALP To display the letter 'M' as a cross (one M at the center of VGA screen, 5 'M's to the top, bottom, right and left ) in VGA text mode 3 (80x25). Display in white colour with black background.
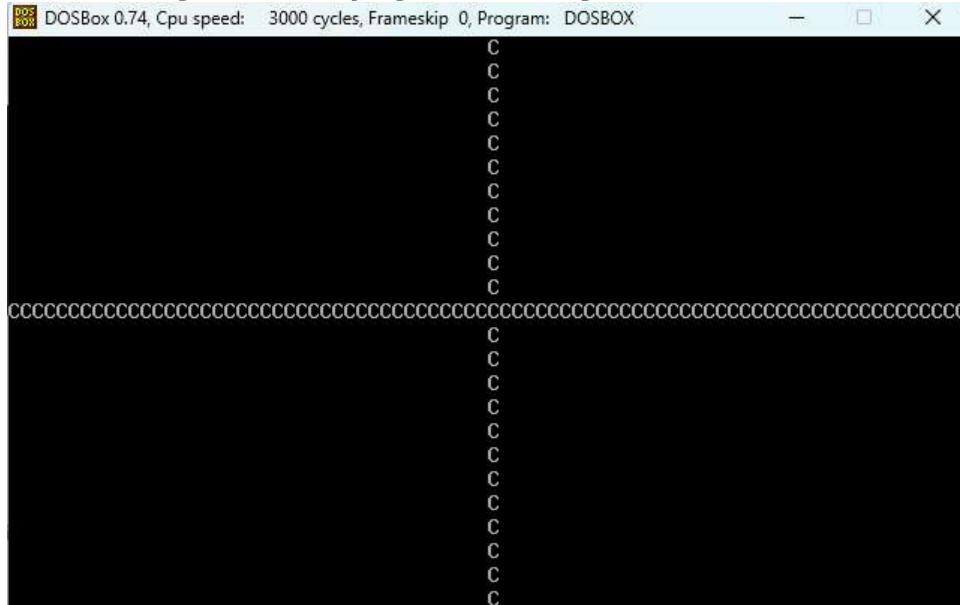


## Question for P9/P10/P11/P12

Write an assembly program that prints the letter 'A' diagonally from the top-right to the bottom-left of the screen in VGA text mode 3 (80x25).
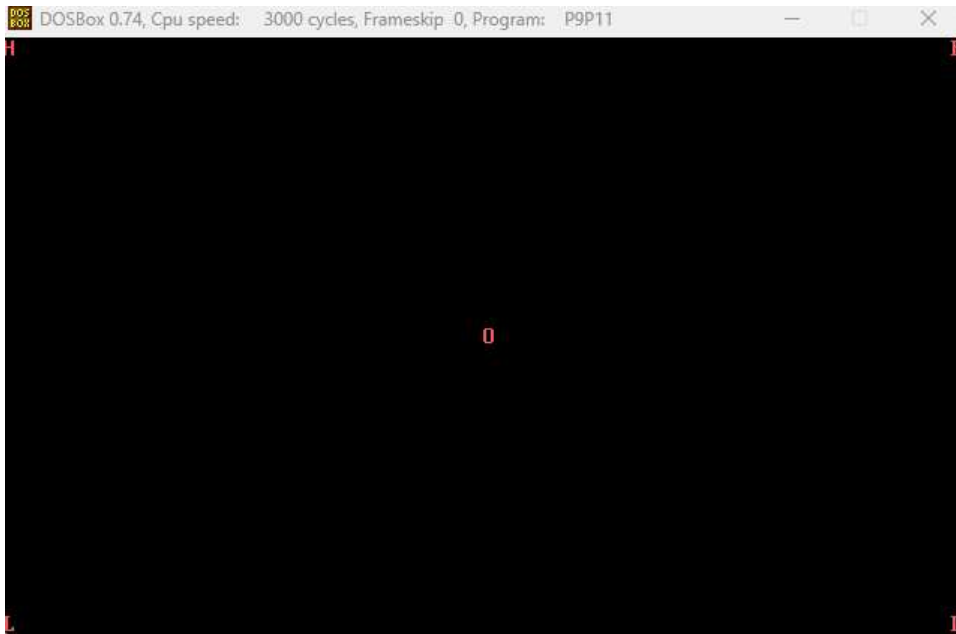expected output:

## Question for P13/P14

**Write an ALP to generate an output given below using VGA text mode 3 (80x25)**



## Question for P15/P16

**Write an ALP to generate an output given below using VGA text mode 3 (80x25)**

**'H' at the top-left corner,'E' at the top-right corner,**

**'L' at the bottom-left corner ,'L' at the bottom-right corner, 'O' at the center.**

**Question for P1/P2**
**Write an ALP to generate an output given below using VGA text mode 3 (80x25)**
**A 3x3 grid of '1' at the top-left corner,'2' at the top-right corner,**
**'3' at the bottom-left corner ,'4' at the bottom-right corner, '5' at the center.**

**[Full marks if 2 grids are drawn correctly]**

```
111                     222
111                     222
111                     222
          555
          555
          555
333                     444
333                     444
333                     444
```

Last modified: Monday, 7 April 2025, 8:49 AM

◄ Lab8

Jump to...