



## Computer Architecture and Assembly Language Programming-Lab

### Home Work- 02 (Deadline 14-May-2022)

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Please carefully read the following instructions before attempting homework.

#### **RULES FOR MARKING (4 wtg)**

It should be clear that your assignment would not get any credit if:

- The assignment is submitted after the due date.
- The submitted assignment does not open or file is corrupt.
- Zero marks will be given if the submitted solution is copied from any other student or from the internet.

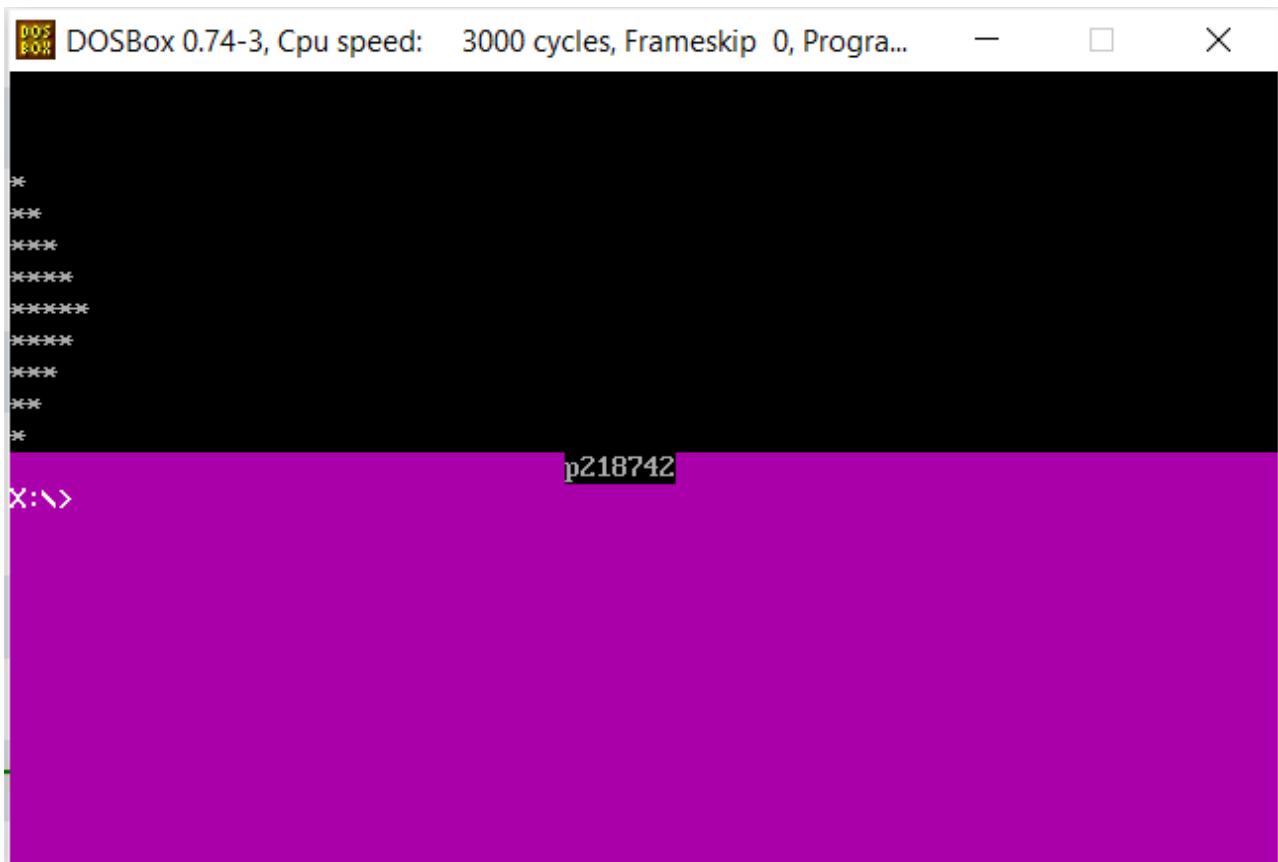
*If you people find any confusion in assignment (Question statement), please consult with me before the deadline. After the deadline no queries will be entertained in this regard.*

**Q.**

Write a program in assembly language that divides the screen into two equal horizontal colors using BIOS services. The colors of the upper and lower halves should be black and magenta respectively. Print star characters in the upper half using loops; first incrementing from one to five and then decrementing from five to one.

Moreover, print your FAST ID (Roll No) at the center of the lower half. All the text in the lower half should blink except the FAST ID (Roll No).

**Sample screenshot:**



**Note:**

Zero marks will be awarded if you do not use loops and your own **FAST ID (Roll No)**.

### What to submit:

Submit your assembly language code in a word file (doc or docx) and output screenshot.

**Best of luck ☺**