

Practice problems

Instructions

Any sort of copying is highly prohibited. If you are found guilty in copying any assignments during this course, punishment will be severe. In case of any confusion, feel free to contact with the instructors.

Bring the .asm files on the submission date.

1. Take two numbers **A** and **B** as input. Do the following operations on **A** and **B**, store them in a variable **C**. Then, print **C** as output. Here, **A**, **B** and **C** are word variables. And the range of input will be such that the value of **C** will be between **0 to 9**. Consider each function independent of one-another.

(i) $C = A + B$

(ii) $C = B - A$

(iii) $C = 5B - 3A$

2. Take a lowercase letter as input (omit error checking) and display the previous and next letter of the input character in uppercase format.(no cycle maintenance in necessary ; i.e; if the input is **z**, you do not need to print **A**)

Sample Input	Sample Output
s	RT
c	BD

3. Take a character as input. Print the character which is one's complement to the input character.

Sample Input	Sample Output
z	à
i	û

4. Display a 5X5 solid box of asterisk on the console screen
