**Mid LAB**

**Task#1**

Input two (single digit) numbers (store them into registers or variables only if they are digit) and one arithmetic operator (only these operators: +, -); perform the operation and display result in binary.

**Sample execution:**

Type two digits and an operator: 56+

5+6 = 00001011

**Task#2**

Write a **program** which prints the following pattern (cross) on screen. Size of the pattern should be taken from the user.

*Input validation: Your program should make sure that the* ***size*** *is an* ***number less than 6*** *. In case of invalid input, your program should keep prompting the user again and again till the user provides valid input.*

**Sample execution:**

**Enter the size:9**

**Invalid input!! Enter again: 8**

**Invalid input!! Enter again: 5**

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**IMPORTANT NOTE: Your program should use ONLY use function 2 of INT 21h to display the above pattern using the nested loop.**

**Important Notes:**

**Make Sure that you have not saved your program in M drive(your ftp)**

**Properly Commented Program will get Extra Marks**

**The output of your program should be same as given in sample execution**

**Be Prepared for a detailed viva**

**DO NOT COPY OTHERWISE YOU WILL BE AWARDED ‘ZERO’ IN ALL PREVIUOS LABS**