**LAB 7**

**Task#1**

1. Take two numbers (temperature and pressure) from the user, and display “Warning” if either the value of the variable temperature is greater than or equal to 9, or the value of the variable pressure is greater than or equal to 8, or both. Otherwise, display “OK”.

**Task#2**

The ticket price of an upcoming cricket match varies according to the age of the spectator. The ticket prices are as follows:

Over 9: Rs.50

4 – 8: Rs.30

1 – 3: Rs.20

Take the age of a spectator from the user and display the ticket price for him/her.

**TASK#3**

Take two positive integers *a* and *n* from the user. Calculate and display *an*. Assume that the power operator is not available.

**TASK#4**

**Question # 12 at page 116 of Assembly Language Programming and Organization of the IBM PC by Ytha Yu.**

**Task#5**

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.*

**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**

**You have just one hour to Do this Task**

**Be Prepared for a detailed viva**

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