*Lab Task 1 (B)*

**Task 1:**

Write a Python program to calculate the area of a rectangle. Take the length and width of the rectangle as inputs from the user. Finally display the calculated area.

**Task 2:**

Create a list named student\_info that contains your name, roll number, current semester, a list of courses you are enrolled in this semester (list your favorite course first). Print your name and the last two courses using slicing.

**Task 3:**

Write a program that determines if a student is eligible for a scholarship. Take inputs for the total marks and marks obtained by the student. Pass these values to a function that calculates the percentage of marks obtained. The function should return "Eligible" if the percentage is 90% or more; otherwise, return "Not Eligible".

**Task 4:**

Create a list of room details with the following values:  
'room1', 120.5, 'room2', 85.0, 'room3', 110.0, 'room4', 92.3, 'room5', 76.4

* Create a new list named room\_areas containing only the float values from the room details list.
* Print all elements of room\_areas using slicing.
* Print the area of room1 using slicing from the original list

**Task 5:**

Write a Python program that prints the multiplication table of a number entered by the user. Use a for loop to generate the table for numbers from 1 to 10.  
**For example:**  
If the user enters 5, the output should be:

5 x 1 = 5

5 x 2 = 10

...

5 x 10 = 50