

## Final Lab Exam – (60 min)

Name:

ID:

### Question 1: [ 3 points]

Write a Python function drawTriangle(n) that takes an integer n and prints the following number triangle.

#### **Sample Run:**

Enter n = 5

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Notes:

- The function should only print the pattern.
- Assume n is positive.

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### **Question 2: [ 3 points]**

a) Write a Python function `commonElements(list1, list2)` that takes two lists and returns a new list containing the distinct elements that appear in both lists. If there are no common elements, the function should return an empty list.

*b) Write a Python script that prompts the user to enter two lists of numbers. You can assume the user enters the list elements separated by spaces. The script should use the `commonElements` function to get the list of common elements and then print the result. If the returned list is empty, print an appropriate message instead.*