# **EMBARKS SYSTEMATIC SAMPLING RETEST**

### 1)Write a python program to print Number triangle pattern

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

2) String Compression: Implement a method to perform basic string compression using the counts of repeated characters. For example, the string "aabcccccaaa" would become "a2b1c5a3".

3) Consider a scenario where you have a base class called Employee and derived classes such as Manager, Engineer, and Salesperson. How would you handle implementing a common method, such as calculateSalary(), in each derived class using inheritance and method overriding?