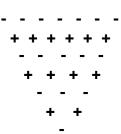
1. Write a java program to print the following patterns using loops

a.



b. 11111 2222 333 44 5

2. Write a java program to allow the user to enter words that contain less than five characters and terminate when the user enters a word which has five or more than five characters.

Example: Enter words: cat

cake doll Hello

Loop terminated!

3. There are eight integers stored in an array. Write a java program to find the index of a given integer in that array.

Example:

A = [4 8 9 6 2 9 9 6]

Enter the element to search: 6

Output: The element 6 appears at the index: 4

4. Write a java program to print how many times a given element appears in a given array.

Example:

A = [48962996]

Enter the element to search: 6

Output: The element 6 appears 2 times in A.

5. Write a java program to find the most occurring element in an array of integers. Example:

A = [48962996]

Output: The most occurring element is 9.