Q1. Create a class ArrayListMain and in the main method get the names and store them in an ArrayList. After getting all the names,just display them in the same order.

Input Format

Number of names(N) in first line as integer

N names in separate lines

Output Format

Print the names

Q2. Input a positive integer N (N > 0), input N strings, and sort the strings in place in the order of increasing length. Print the sorted

strings using ArrayList as an implementation of the List interface for storing the individual strings.

Input Format

Input number of elements

Input each string on a separate line

Output Format

Print the list of strings sorted by their length

Q3. Using Java Library ArrayList as a List Interface implementation, input N integers from standard input and add to the list only if they form an increasing sequence.

1. Take a number, N > 0 as input

2. Accept N integers as input

3. Add the number to the list only if it forms an increasing sequence else ignore

4. Print the list

Input Format

Input number of elements, N > 0

Enter each integer on the next N lines

Output Format

List of integers in increasing sequence ignoring out of order elements

Q4. Frequency()

While entering user names, We have to be very careful about the duplicate entries in the list. To make a correct and perfect report, we have to remove the duplicate elements in the list. Write a program that obtains a set of names and a search element and prints its frequency.

Input Format

The first line of the input consists of the number of names.

The next input is the user names.

The last input is the user name to be searched.

Output Format

The output prints the frequency of the searched element.