# Rajalakshmi Engineering College

Name: Gokulan V
Email: 240701151@rajalakshmi.edu.in
Roll no: 240701151
Phone: 9361185506
Branch: REC
Department: CSE - Section 9
Batch: 2028
Degree: B.E - CSE

## 2024_28_III_OOPS Using Java Lab

## 2028_REC_OOPS using Java_Week 9_Q3

Attempt : 1
Total Mark : 10
Marks Obtained : 10

## Section 1 : Coding

1.  Problem Statement

Assist Pranitha in developing a program that takes an integer N as input, representing the number of names to be read. Then read N names and store them in an ArrayList. Finally, input a search string and output the frequency of that string in the list of names.

Note: Some parts of the code are provided as snippets, and you need to complete the remaining sections by writing the necessary code.

*Input Format*

The first line of input consists of an integer N, representing the number of names to be read.

The following N lines consist of N names, as a string.

The last line consists of a string, representing the name to be searched.

## Output Format

The output prints a single integer, representing the frequency of the specified name in the given list.

If the specified name is not found, print 0.

Refer to the sample output for formatting specifications.

### Sample Test Case

Input: 5
Alice
Bob
Ankit
Alice
Pranitha
Alice

Output: 2

### Answer

```java
import java.util.*;
class main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        sc.nextLine();
        ArrayList <String> arr = new ArrayList <>();
        for(int i=0;i<n;i++){
            String s=sc.nextLine();
            arr.add(s);
        }
        String k=sc.nextLine();
        int c=0;
        for(int i=0;i<n;i++){
            if(k.equals(arr.get(i))){
                c++;
            }
        }
```

```
        System.out.print(c);
    }
}
```

**Status :** Correct                                                    **Marks : 10/10**