

# Rajalakshmi Engineering College

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## 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***

```
// You are using Java
import java.util.*;

class main{
    public static void main(String args[]){
        Scanner scan = new Scanner(System.in);

        ArrayList <String> list = new ArrayList<>();
        int n = scan.nextInt();
        scan.nextLine();

        for(int i=0;i<n;i++){
            String name = scan.nextLine();

            list.add(name);
        }

        String search = scan.nextLine();
```

```
int freq=0;  
  
for(int i=0;i<list.size();i++){  
    // System.out.println(list.get(i));  
    if(search.equals(list.get(i))){  
        freq++;  
    }  
}  
  
System.out.print(freq);  
}
```

**Status : Correct**

**Marks : 10/10**