

# Rajalakshmi Engineering College

Name: Jaiharish D  
Email: 240701203@rajalakshmi.edu.in  
Roll no: 240701203  
Phone: 8610585694  
Branch: REC  
Department: CSE - Section 4  
Batch: 2028  
Degree: B.E - CSE

Scan to verify results



## 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**