

# Rajalakshmi Engineering College

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Batch: 2028

Degree: B.E - CSE

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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 s= new Scanner(System.in);
        int n=s.nextInt();
        s.nextLine();
        ArrayList<String> fg=new ArrayList<>();
        String h;
        for(int i=0;i<n;i++)
        {
            h=s.nextLine();
            fg.add(h);
        }
        String gh=s.nextLine();
```

```
int c=0;
for(int i=0;i<n;i++)
{
if(gh.equals(fg.get(i)))
{
c++;
}
}
System.out.println(c);
} }
```

**Status :** Correct

**Marks :** 10/10