



Java Instanceof keyword

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Problem

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The Java *instanceof* operator is used to test if the object or instance is an instanceof the specified type.

In this problem we have given you three classes in the editor:

- Student class
- Rockstar class
- Hacker class

In the main method, we populated an *ArrayList* with several instances of these classes. *count* method calculates how many instances of each type is present in the *ArrayList*. The code prints three integers, the number of instance of Student class, the number of instance of Rockstar class, the number of instance of Hacker class.

But some lines of the code are missing, and you have to fix it by modifying only **3** lines! Don't add, delete or modify any extra line.

To restore the original code in the editor, click on the top left icon in the editor and create a new buffer.

Sample Input

```
5
Student
Student
Rockstar
Student
Hacker
```

Sample Output

```
3 1 1
```



Solved score: 5.00pts

Submissions: [27996](#)

Max Score: 10

Difficulty: Easy

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Current Buffer (saved locally, editable)

Java 7



```
1 import java.util.*;
2
```

```

3
4 class Student{}
5 class Rockstar{ }
6 class Hacker{}
7
8
9 public class InstanceOfTutorial{
10
11     static String count(ArrayList mylist){
12         int a = 0,b = 0,c = 0;
13         for(int i = 0; i < mylist.size(); i++){
14             Object element=mylist.get(i);
15             if(~Complete this line~)
16                 a++;
17             if(~Complete this line~)
18                 b++;
19             if(~Complete this line~)
20                 c++;
21         }
22         String ret = Integer.toString(a)+" "+ Integer.toString(b)+" "+ Integer.toString(c);
23         return ret;
24     }
25
26     public static void main(String []args){
27         ArrayList mylist = new ArrayList();
28         Scanner sc = new Scanner(System.in);
29         int t = sc.nextInt();
30         for(int i=0; i<t; i++){
31             String s=sc.next();
32             if(s.equals("Student"))mylist.add(new Student());
33             if(s.equals("Rockstar"))mylist.add(new Rockstar());
34             if(s.equals("Hacker"))mylist.add(new Hacker());
35         }
36         System.out.println(count(mylist));
37     }
38 }
39

```

Line: 1 Col: 1

 [Upload Code as File](#) ☐ Test against custom input

Run Code

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