



Your Java Reflection - Attributes submission got 15.00 points.



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Java Reflection - Attributes

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Problem

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JAVA reflection is a very powerful tool to inspect the attributes of a class in runtime. For example, we can retrieve the list of public fields of a class using `getDeclaredMethods()`.

In this problem, you will be given a class *Solution* in the editor. You have to fill in the incompleted lines so that it prints all the methods of another class called *Student* in alphabetical order. We will append your code with the *Student* class before running it. The *Student* class looks like this:

```
class Student{
    private String name;
    private String id;
    private String email;

    public String getName() {
        return name;
    }
    public void setId(String id) {
        this.id = id;
    }
    public void setEmail(String email) {
        this.email = email;
    }
    public void anothermethod(){ }
    .....
    .....
    some more methods
    .....
}
```

You have to print all the methods of the student class in alphabetical order like this:

```
anothermethod
getName
setEmail
setId
.....
.....
some more methods
.....
```

There is no sample input/output for this problem. If you press "Run Code", it will compile it, but it won't show any outputs.

Hint: See the oracle docs for more details about [JAVA Reflection Methods and Fields](#)



Max Score:15

Difficulty: Easy

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Current Buffer (saved locally, editable)  

Java 7



```
1 public class Solution {
2
3     public static void main(String[] args){
4         Class student = Student.class;
5         Method[] methods = student.getDeclaredMethods();
6
7         ArrayList<String> methodList = new ArrayList<>();
8         for(Member mbr : methods){
9             methodList.add(mbr.getName());
10        }
11        Collections.sort(methodList);
12        for(String name: methodList){
13            System.out.println(name);
14        }
15    }
16
17 }
18
```

Line: 3 Col: 9

 [Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code

Congrats, you solved this challenge!

Challenge your friends:   

✓ Test Case #0

You've earned 15.00 points.

Next Challenge

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