Lab 09: Quizzes

Instructions: In this exercise we will create a simple quiz system in Java. First define a class called Quiz that manages a set of up to 25 Question Objects. The Question object shall have the question asked, the instructor's answer and the response from the user. The Quiz object shall have an add method for adding a Question. Furthermore define a giveQuiz method of the Quiz object that presents each question to the user and accepts a response from the user. Next create a main method that will populates a Quiz object, accepts inputs from the user, and then prints results. This main method may be of the Quiz object or of a separate object.

Input:

<Answer to first question>
<Answer to second>
...
<Answer to final question>

Output:

<First question's text> Student response: <Student's answer> Instructor's answer: <instructor's answer>
<Second question's text> Student response: <Student's answer> Instructor's answer: <instructor's answer>
...
<Final question's text> Student response: <Student's answer> Instructor's answer: <instructor's answer>
Auto-grader: <number correct> out of <total number questions>

Example Input 1:

What is 1+1? 2
Who is the best Star Trek Captain? Kirk
Who shot first? Greedo

Example Output 1:

What is 1+1?, Student response: 2, Instructor's answer: 2
Who is the best Star Trek Caption?, Student response: Kirk, Instructor's answer: Kirk
Who shot first?, Student response: Greedo, Instructor's answer: Han
Auto-grader: 2 out of 3.
Implement the following classes/function (make each class a separate file):

```
1 public class Quiz {
2     public void setQeustion(int index, Question q) {
3     }
4     public void giveQuiz() {
5     }
```

```
    public void printResults() {
    }
}
public class Question {
    public Question(String question, String instructorsAnswer) {
    }
    public void askQuestion() {
    }
    public boolean isAnswerCorrect() {
    }
    public void print() {
    }
}
```

Write some test cases:
Create some test cases that you believe would cover all aspects of your code.

How to turn in:
Turn in via GitHub. Ensure the file(s) are in your lab09 directory and push via IntelliJ (VCS ↑) OR use the command line:

- $ git add <files>
- $ git commit
- $ git push

Due Date: October 8, 2015 2359

Teamwork: No teamwork, your work must be your own.