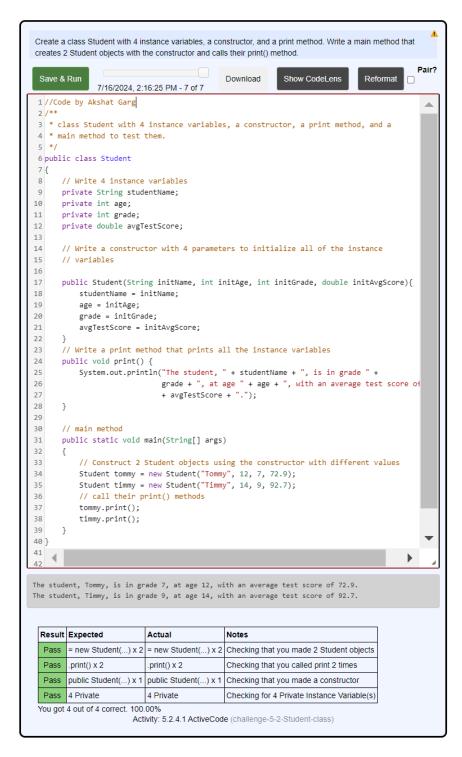Complete the Riddle class below and complete the main method to construct 2 Riddle objects and call their printQuestion() and printAnswer() methods.

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```java
1 //Code by Akshat Garg
2 public class Riddle
3 {
4     // write 2 instance variables for Riddle's question and answer: private type
5     // variableName;
6     private String question;
7     private String answer;
8
9     // constructor
10    public Riddle(String initQuestion, String initAnswer)
11    {
12        // set the instance variables to the init parameter variables
13        question = initQuestion;
14        answer = initAnswer;
15    }
16
17    // Print riddle question
18    public void printQuestion()
19    {
20        // print out the riddle question with System.out.println
21        System.out.println(question);
22    }
23
24    // Print riddle answer
25    public void printAnswer()
26    {
27        // print out the riddle answer with System.out.println
28        System.out.println(answer);
29    }
30
31    // main method for testing
32    public static void main(String[] args)
33    {
34        // call the Riddle constructor to create 2 new Riddle objects
35        // with the arguments for the riddle question and answer.
36        Riddle riddle1 = new Riddle("Why did the chicken cross the playground?",
37                                    "To get to the other slide!");
38        Riddle riddle2 = new Riddle("What do you call a detective alligator in a vest
39                                    "An in-vest-i-gator");
40        // call the riddle objects' printQuestion() and printAnswer methods
41        riddle1.printQuestion();
42        riddle1.printAnswer();
43        riddle2.printOuestion():
```

```
Why did the chicken cross the playground?
To get to the other slide!
What do you call a detective alligator in a vest?
An in-vest-i-gator
```

Result	Expected	Actual	Notes
Pass	= new Riddle(...) x 2	= new Riddle(...) x 2	Checking that you made 2 Riddle objects
Pass	Answer	Answer	Checking method printAnswer()
Pass	2+ line(s) of text	4 line(s) of text	Checking main method
Pass	String String	String String	Checking Instance Variable Type(s)
Pass	Question	Question	Checking method printQuestion()
Pass	2 Private	2 Private	Checking Private Instance Variable(s)

You got 6 out of 6 correct. 100.00%

Activity: 5.1.6.1 ActiveCode (challenge-5-1-Riddle-Class)

Create a class Student with 4 instance variables, a constructor, and a print method. Write a main method that creates 2 Student objects with the constructor and calls their print() method.

```java
1 //Code by Akshat Garg
2 /**
3  * class Student with 4 instance variables, a constructor, a print method, and a
4  * main method to test them.
5  */
6 public class Student
7 {
8     // Write 4 instance variables
9     private String studentName;
10    private int age;
11    private int grade;
12    private double avgTestScore;
13
14    // Write a constructor with 4 parameters to initialize all of the instance
15    // variables
16
17    public Student(String initName, int initAge, int initGrade, double initAvgScore){
18        studentName = initName;
19        age = initAge;
20        grade = initGrade;
21        avgTestScore = initAvgScore;
22    }
23    // Write a print method that prints all the instance variables
24    public void print() {
25        System.out.println("The student, " + studentName + ", is in grade " +
26                          grade + ", at age " + age + ", with an average test score of
27                          + avgTestScore + ".");
28    }
29
30    // main method
31    public static void main(String[] args)
32    {
33        // Construct 2 Student objects using the constructor with different values
34        Student tommy = new Student("Tommy", 12, 7, 72.9);
35        Student timmy = new Student("Timmy", 14, 9, 92.7);
36        // call their print() methods
37        tommy.print();
38        timmy.print();
39    }
40 }
41
42
```

```
The student, Tommy, is in grade 7, at age 12, with an average test score of 72.9.
The student, Timmy, is in grade 9, at age 14, with an average test score of 92.7.
```

Result	Expected	Actual	Notes
Pass	= new Student(...) x 2	= new Student(...) x 2	Checking that you made 2 Student objects
Pass	.print() x 2	.print() x 2	Checking that you called print 2 times
Pass	public Student(...) x 1	public Student(...) x 1	Checking that you made a constructor
Pass	4 Private	4 Private	Checking for 4 Private Instance Variable(s)

You got 4 out of 4 correct. 100.00%

Activity: 5.2.4.1 ActiveCode (challenge-5-2-Student-class)

Fun exercise in learning how to instantiate and construct objects from a class, learn how to make my own programs to achieve a goal