Quiz 10: Objects

Name: _____

CSCI 110 Section 1

Friday, September 16, 2016

```java
public class Student {
    private String name;
    private int year;  // 1 == freshman, 2 == sophomore, etc
    private double gpa;

    public Student(String name, int year, double gpa) {
        this.name = name;
        this.year = year;
        this.gpa = gpa;
    }




}
```

1) Add a method canGraduate() that returns true if the student is a senior with a GPA of at least 1.0. [25 points]

2) Add a method toString() that returns a String with student's name and year (freshman, sophomore, junior or senior - NOT the number). Don't print - return a String. [25 points]

3) Define a class for a car. Give the car attributes for model, current speed, price, and whether it's a lemon. Create a constructor for your class. Add a method called accelerate() that increases the speed. Add a method called getPriceTag() that returns a String containing the model and price. [50 points]