Name:				
	CS5000 St	ummer 2016 FINAL	Exam (Sunday editio	n)
1(5)	<b>2</b> (10)	<b>3</b> (15)	<b>4</b> (25)	<b>5</b> (10)
<b>6</b> (20)	<b>7</b> (20)		<b>Total</b> (105)	
1it the v	value true.		dOrGreaterThan10 th	d amISmart and assign
returns both) a	s a boolean; the fu	nction returns true it e (remember the % o	the number is odd o	
3			uzz that takes an int a	

just divisible by 3, "Buzz" if it's just divisible by 5 and the number (as a string; you can

use the toString method of the Integer class) if it's divisible by neither.

		aid interface ( it constructor		name and	one for GI	РΑ;
5.	type S	iven your Stu				of

4. \_\_\_\_\_ (25 pts) Given the interface IStudent (on the last page), create a class Student

6.	(20pts) Write a function averageGPA. that takes an array of IStudents (the interface on the last page, not your class) and returns a double, the average GPA of th students (return 0 if the array is empty).				
7.	(20pts) Write a function valedictorian, that takes a List of IStudents and returns an IStudent, the student with the highest GPA (return the first student with the highest GPA if there is a tie). Return null if the list is empty.				

```
Interface IStudent {
    void setName(String name);
    String getName();
    public setGPA(double GPA);
    double getGPA();
}
```