Java Name - toString Worksheet #1 Period -

Answer the following after reading the lecture notes on toString methods and reviewing any available demo programs illustrating the toString methods.

- 1. What is the purpose of a toString method?
- 2. Write a System.out.println statement that would properly use the toString method for a Student object variable named student1.
- 3. What is a common mistake for programmers when implementing a toString method according to the lecture notes?
- 4. What is the return type of the toString method? That is, what type of data is returned by the toString method?
- 5. Explain why it is not a contradiction for the toString method to be called within the toString method of CompositionDemo3.
- 6. Why can't the following statement be used in the toString method for the Student class in CompositionDemo3? return myName.toString() + " " + getGradeLevel() + " " + mySchedule;
- 7. Why can't the following statement be used in the toString method for the Student class in CompositionDemo3? return myName + " " + getGradeLevel() + " " + scheduleList();
- 8. Implement a toString method (i.e. write out the whole method) for a fictitious class that has the following instance variables: int myAge, double myWeight, and String myGender ("male" or "female".)

```
public String toString()
{
```

9. Rewrite the toString method that you implemented in the previous exercise in a different way.

```
public String toString()
{
```

}