1) Suppose you have two Java classes, CUNYCollege and Lehman. The class CUNYCollege represents a CUNY college and the class Lehman is a subclass of CUNYCollege that represents Lehman College. Are the following methods examples of overloading, overriding, or neither?

- a toString() method in CUNYCollege ________
- a toString() method in Lehman ________
- two constructors that take different parameters in Lehman ________
- a method enrollStudent(...) that is in both CUNYCollege and Lehman ________
- a method that returns the street address that is only in CUNYCollege ________
- the methods isCUNYFirstUp() and isCUNYFirstUp(Date date) in CUNYCollege ________

2) Consider the class Pet below, which represents a pet in an animal hospital’s records.

```java
public class Pet {
    private String name;
    private int age;

    public Pet(String n, int a) {
        name = n;
        age = a;
    }

    public String toString() {
        return “Name: “ + name + “, Age: “ + age;
    }
}
```
Write a subclass Dog of the class Pet. It should have one additional instance variable that represents whether or not an instance of the Dog has fleas. Write the whole class, including:

i) a constructor that takes in the name, age, and flea status of the dog

ii) a toString() method that returns a string with the name and age of the dog, and whether or not the dog has fleas. It should call the toString() method of Pet.