

```
import java.text.DecimalFormat;
//Olivia Imner olim9472

public class dog {

    // define the attributes
    private String name;
    private String breed;
    private int age;
    private double weight;
    private double tailLength;

    //set dog attributes
    public dog(String newName, String newBreed, int newAge, double newWeight)
    {
        name = newName;
        breed = newBreed;
        age = newAge;
        weight = newWeight;
    }

    //set tail length
    public void calculateTailLength(String breed, int age, double weight){
        double length;
        if( breed.equals("tax")) {
            length = 3.7;
        } else {
            length = (age * weight) / 10;
        }
        this.tailLength = length;
    }

    //get name attribute
    public String getName() {
        return name;
    }

    //get tailLength attribute
    public double getTailLength() {
        return tailLength;
    }

    //print class attributes to screen (writes out tailLength with two
    decimals)
    void printToScreen() {
        DecimalFormat sum = new DecimalFormat("0.##");
        System.out.print(name + "\t" + breed + "\t" + age + "\t" + weight +
            "\t" + sum.format(tailLength) + "\n");
    }
}
```