

```

1 package club.westcs.OldMrYoung;
2
3 public class Animal {
4
5     //Attribute
6     protected int number;
7     protected String sound, type;
8     /*
9     * protected - like private where it can only be accessed in the class or a child class
10    * - inheritance
11    */
12
13
14    //Constructor
15    // Never going to have just an animal so no constructor is needed.
16
17    //Methods
18
19    public int getNumber() {
20        return number;
21    }
22    public void setNumber(int number) {
23        this.number = number;
24    }
25    public String getSound() {
26        return sound;
27    }
28    public String getType() {
29        return type;
30    }
31
32    public void runSong() {
33        if(this.number == 1 && this.type.charAt(this.type.length() - 1) == 's') { //String.charAt(index) indexes a string
34            this.type = this.type.substring(0, this.type.length()-1);
35        }
36        System.out.println("Old Mr. Young had a farm. E-I-E-I-O.");
37        System.out.println("And on his farm he had " + this.number + " " + this.type + " E-I-E-I-O.");
38        System.out.println("With a " + this.sound + ", " + this.sound + " here.");
39
40        System.out.println("And a " + this.sound + ", " + this.sound + " there.");
41        System.out.println("Here a " + this.sound + "there a " + this.sound + ".");
42        System.out.println("Everywhere a " + this.sound + ", " + this.sound + ".");
43        System.out.println("Old Mr. Young had a farm. E-I-E-I-O.");
44        System.out.println();
45    }
46
47
48
49
50 }
51

```