

1 Creating Cats

Given the following classes, fill in the definition of the `Cat` class so that when `greet()` is called, the label "Cat" (instead of "Animal") is printed to the screen. Assume that a `Cat` will make a "Meow!" noise, and that this is all caps for cats who are less than 5 years old.

```
1 public class Animal {
2     protected String name, noise;
3     protected int age;
4
5     public Animal(String name, int age) {
6         this.name = name;
7         this.age = age;
8         this.noise = "Huh?";
9     }
10
11    public String makeNoise() {
12        if (age < 5) {
13            return noise.toUpperCase();
14        } else {
15            return noise;
16        }
17    }
18
19    public void greet() {
20        System.out.println("Animal " + name + " says: " + makeNoise());
21    }
22 }
```



```
public class Cat extends Animal {
    public Cat(String name, int age) {
        super(name, age);    // Call superclass' constructor.
        this.noise = "Meow!"; // Change the value of the field.
    }

    @Override
    public void greet() {
        System.out.println("Cat " + name + " says: " + makeNoise());
    }
}
```