

1 Pet.java

```
1 //Pet.class
2 package Homework5;
3
4 public class Pet {
5     private String name="not set";
6     private String color="not set";
7     private double price;
8     Pet() {}
9     Pet(String _name,String _color,double _price) {
10         this.name=_name;
11         this.color=_color;
12         this.price=_price;
13     }
14     public void set(String _name,String _color,double _price) {
15         this.name=_name;
16         this.color=_color;
17         this.price=_price;
18     }
19     public void show() {
20         System.out.println("I am "+name+" , my color is "+color+" , and my price is
21             "+price+" .");
22     }
23 }
24 class Cat extends Pet {
25     Cat() {super();}
26     Cat(String _name,String _color,double _price) {
27         super(_name,_color,_price);
28     }
29     @Override
30     public void set(String _name,String _color,double _price) {
31         super.set(_name,_color,_price);
32     }
33
34     @Override
35     public void show() {
36         super.show();
37         System.out.println("Also i can sound like Meow-Meow!");
38     }
39 }
40
41 class Dog extends Pet {
42     Dog() {super();}
43     Dog(String _name,String _color,double _price) {
44         super(_name,_color,_price);
45     }
46     @Override
47     public void set(String _name,String _color,double _price) {
48         super.set(_name,_color,_price);
49     }
50
51     @Override
52     public void show() {
```

```
53         super.show();
54         System.out.println("Also i can sound like Wang-Wang!");
55     }
56 }
```

2 Homework5.java

```
1 //Homework5.class
2 package Homework5;
3
4 public class Homework5 {
5     public static void main(String []args) {
6         Cat MyCat=new Cat("XiaoBai","White",1000);
7         Dog MyDog=new Dog("DaHuang","Yellow",500);
8         MyCat.show();
9         MyDog.show();
10    }
11 }
```
