XX 大学

《JAVA程序设计》课堂作业

专业班级：___物联网 XXX___   学号：___XXXXXXXXX___   姓名：___XXXXXXXX___

课堂作业　继承和重写的测试 2

1　Pet.java

```java
//Pet.class
package Homework5;

public class Pet {
    private String name="not set";
    private String color="not set";
    private double price;
    Pet() {}
    Pet(String _name,String _color,double _price) {
        this.name=_name;
        this.color=_color;
        this.price=_price;
    }
    public void set(String _name,String _color,double _price) {
        this.name=_name;
        this.color=_color;
        this.price=_price;
    }
    public void show() {
        System.out.println("I am "+name+" , my color is "+color+" , and my pirce is
            "+price+" .");
    }
}
```

```java
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

```java
1 //Homework5.class
2 package Homework5;
3
4 public class Homework5 {
```

```java
    public static void main(String []args) {
        Cat MyCat=new Cat("XiaoBai","White",1000);
        Dog MyDog=new Dog("DaHuang","Yellow",500);
        MyCat.show();
        MyDog.show();
    }
}
```