
河南工业大学

《JAVA 程序设计》课堂作业

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课堂作业 继承和重写的测试 2

```
///Homework5.class
package Homework5;

public class Homework5 {
    public static void main(String []args) {
        Cat MyCat=new Cat("XiaoBai","White",1000);
        Dog MyDog=new Dog("DaHuang","Yellow",500);
        MyCat.show();
        MyDog.show();
    }
}
```

```
//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
price is "+price+" .");
    }
}

class Cat extends Pet {
    Cat() {super();}
    Cat(String _name,String _color,double _price) {
        super(_name,_color,_price);
    }
    @Override
    public void set(String _name,String _color,double _price) {
        super.set(_name,_color,_price);
    }

    @Override
    public void show() {
        super.show();
        System.out.println("Also i can sound like Meow-Meow!");
    }
}

class Dog extends Pet {
    Dog() {super();}
    Dog(String _name,String _color,double _price) {
        super(_name,_color,_price);
    }
    @Override
    public void set(String _name,String _color,double _price) {
        super.set(_name,_color,_price);
    }

    @Override
    public void show() {
        super.show();
        System.out.println("Also i can sound like Wang-Wang!");
    }
}
```