



```

1 package dapter_pattern_3;
2
3 public interface CatBehavior {
4     public void catchMouse();
5 }
6

```

```

1 package dapter_pattern_3;
2
3 public class Cat implements CatBehavior {
4
5     @Override
6     public void catchMouse() {
7         // TODO 自动生成的方法存根
8         System.out.println("抓老鼠!!!");
9     }
10
11 }

```

```

1 package dapter_pattern_3;
2
3 public interface DogBehavior {
4     public void wang();
5 }
6

```

```

1 package dapter_pattern_3;
2
3 public class Dog implements DogBehavior {
4
5     @Override
6     public void wang() {
7         // TODO 自动生成的方法存根
8         System.out.println("汪汪汪!!");
9     }
10
11 }
12

```

```

1 package dapter_pattern_3;
2
3 public class CatDogAdapter implements CatBehavior, DogBehavior {
4     CatBehavior cat;
5     public void setCat(CatBehavior cat) {
6         this.cat = cat;
7     }
8
9     public void setDog(DogBehavior dog) {
10         this.dog = dog;
11     }
12
13     DogBehavior dog;
14
15     public CatDogAdapter(CatBehavior c,DogBehavior d) {
16         // TODO 自动生成的构造函数存根
17         this.cat = c;
18         this.dog = d;
19     }
20
21     @Override
22     public void wang() {
23         // TODO 自动生成的方法存根
24         this.cat.catchMouse();
25     }
26
27     @Override
28     public void catchMouse() {
29         // TODO 自动生成的方法存根
30         this.dog.wang();
31     }
32
33 }

```

```

1 package dapter_pattern_3;
2
3 public class test {
4
5     public static void main(String[] args) {
6         // TODO 自动生成的方法存根
7         Cat cat = new Cat();
8         Dog dog = new Dog();
9         CatDogAdapter adapter = new CatDogAdapter(cat,dog);
10        adapter.catchMouse();    //猫像狗一样叫
11        adapter.wang();          //狗像猫一样抓老鼠
12    }
13
14 }
15

```

控制台

<已终止> Test [Java 应用程序] C:\Program Files\Java\jdk-11.0.2\bin\javaw.exe (2019年10月14日 下午1:44:25)

汪汪汪!!

抓老鼠!!!