## 第7次平时作业

```
package work7.package1;

/* 接口类 Animal*/
public interface Animal {

/* 为了简化操作,只设置了一个方法*/
public abstract void showType();

}
```

```
package work7.package1;
  /* 类属性,全部设置为私有,子类只能通过公有方法访问*/
  public String getName() {
  public int getAge() {
```

```
public String getSex() {
    return this.sex;
}

/* 打印信息*/
public void printInfo() {
    System.out.println("this is a pet, and its name:"+this.name+"
age: "+this.age+" sex: "+this.sex);
}
```

```
public Dog(){
public void showType() {
```

```
package work7.package2;
```

```
public void setType() {
```

```
package work7.package3;
import work7.package1.Pet;
import work7.package2.Cat;
import work7.package2.Dog;

/* 测试类*/
public class Test {

   public static void main(String[] args) {
        /* 实例化不同类的对象,检验方法属性是否有效*/
        Dog dog = new Dog("qiuqiu",2);
        dog.showType();

        Pet pet = new Pet("blank",3,"mal");
```

```
pet.printInfo();

Cat cat = new Cat("miaomiao",1,"femal");
   cat.setType();
   cat.printInfo();
}
```