**封装作业答案**

1. **选择题**
   1. B
   2. C
2. **判断题**
3. √
4. ×
5. √
6. ×
7. **简答题**

答案略

1. **编码题**
2. 使用面向对象的思想，编写自定义描述狗的信息。设定属性包括：品种，年龄，心情，名字；方法包括：叫，跑。

**public** **class** Dog {

**private** String strain;

**private** **int** age;

**private** String mood;

**private** String name;

**public** Dog() {

**super**();

}

**public** Dog(String strain, **int** age, String mood,String name) {

**super**();

**this**.strain = strain;

**this**.age = age;

//this.mood = mood;

**this**.setMood(mood);

**this**.name = name;

}

**public** String getStrain() {

**return** strain;

}

**public** **void** setStrain(String strain) {

**this**.strain = strain;

}

**public** **int** getAge() {

**return** age;

}

**public** **void** setAge(**int** age) {

**this**.age = age;

}

**public** String getMood() {

**return** mood;

}

**public** **void** setMood(String mood) {

**if**("心情好".equals(mood) || "心情不好".equals(mood)){

**this**.mood = mood;

}**else**{

System.***out***.println("输入信息有误，这只狗狗今天心情很好");

**this**.mood ="心情好";

}

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

//跑

**public** **void** run(){

**if**("心情好".equals(mood)){

System.***out***.println("名字叫"+name+"的"+strain

+mood+",开心的围着主人身边转");

}**else**{

System.***out***.println("名字叫"+name+"的"

+strain+mood+",伤心的一动不动");

}

}

//叫

**public** **void** bark(){

**if**("心情好".equals(mood)){

System.***out***.println("名字叫"+name+"的"+strain

+mood+",开心的汪汪叫");

}**else**{

System.***out***.println("名字叫"+name+"的"

+strain+mood+",伤心的呜呜叫");

}

}

}

**public** **class** TestDog {

**public** **static** **void** main(String[] args) {

//1.过来一个狗狗

Dog dog1 = **new** Dog();

dog1.setName("甜心");

dog1.setAge(2);

dog1.setMood("心情不咋地");

dog1.setStrain("贵宾犬");

dog1.run();

dog1.bark();

System.***out***.println("================================");

//2.再过来一只狗狗

Dog dog2 = **new** Dog("德国牧羊犬", 3, "心情不好", "太子");

dog2.run();

dog2.bark();

}

}

1. 以面向对象的思想，编写自定义类描述IT从业者。设定属性包括：姓名，年龄，技术方向，工作年限；方法包括：工作

**public** **class** ITWork {

**private** String name; //姓名

**private** **int** age;//年龄

**private** String tend;//技术方向

**private** **int** workAge;//工作年限

**public** ITWork() {

}

**public** ITWork(String name, **int** age, String tend, **int** workAge) {

**super**();

**this**.name = name;

//this.age = age;

**this**.setAge(age);

**this**.tend = tend;

**this**.workAge = workAge;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getAge() {

**return** age;

}

**public** **void** setAge(**int** age) {

**if**(age < 15){

**this**.setAge(15);

System.***out***.println("年龄信息无效!已修改默认年龄为15");

}**else**{

**this**.age = age;

}

}

**public** String getTend() {

**return** tend;

}

**public** **void** setTend(String tend) {

**this**.tend = tend;

}

**public** **int** getWorkAge() {

**return** workAge;

}

**public** **void** setWorkAge(**int** workAge) {

**this**.workAge = workAge;

}

**public** **void** work(String company,String position){

System.***out***.println("姓名："+name);

System.***out***.println("年龄:"+age);

System.***out***.println("技术方向："+tend);

System.***out***.println("工作年限："+workAge);

System.***out***.println("目前就职于："+company);

System.***out***.println("职务是："+position);

}

}

**public** **class** Test {

**public** **static** **void** main(String[] args) {

ITWork it = **new** ITWork("马未龙", 35, "数据库维护", 10);

it.work("腾讯实业","数据库维护工程师");

System.***out***.println("======================");

ITWork it2 = **new** ITWork("张凯", 10, "Java开发", 15);

it2.work("鼎盛科技","Java开发工程师");

}

}

1. **可选题**
   1. 以面向对象的思想，编写自定义类描述图书信息。设定属性包括：书名，作者，出版社名，价格；方法包括：信息介绍

**public** **class** Book {

**private** String name;

**private** String author;

**private** String publisher;

**public** **double** price;

**public** Book() {

**super**();

}

**public** Book(String name, String author, String publisher, **double** price) {

**super**();

**this**.name = name;

**this**.author = author;

**this**.publisher = publisher;

//this.price = price;

**this**.setPrice(price);

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getAuthor() {

**return** author;

}

**public** **void** setAuthor(String author) {

**this**.author = author;

}

**public** String getPublisher() {

**return** publisher;

}

**public** **void** setPublisher(String publisher) {

**this**.publisher = publisher;

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**if**(price<=10){

System.***out***.println("价格必须大于10");

**this**.price = price;

}**else**{

**this**.price = price;

}

}

/\*\*

\* 显示图书信息

\*/

**public** **void** showInfo(){

System.***out***.println("书名："+**this**.name);

System.***out***.println("作者："+**this**.author);

System.***out***.println("出版社："+**this**.publisher);

System.***out***.println("价格："+**this**.price);

}

}

**public** **class** TestBook {

**public** **static** **void** main(String[] args) {

Book book1 = **new** Book();

book1.setName("鹿鼎记");

book1.setAuthor("金庸");

book1.setPublisher("人民文学出版社");

book1.setPrice(120);

book1.showInfo();

System.***out***.println("=============================");

Book book2 = **new** Book("绝代双骄", "古龙", "中国长安出版社", 55.5);

book2.showInfo();

}

}

* 1. 某公司要开发名为”我爱购物狂”的购物网站，请使用面向对象的思想设计描述商品信息

**package** info;

**public** **class** ProductCategory {

**private** String cid;

**private** String name;

**public** ProductCategory() {

**super**();

}

**public** ProductCategory(String cid, String name) {

**super**();

**this**.cid = cid;

**this**.name = name;

}

**public** String getCid() {

**return** cid;

}

**public** **void** setCid(String cid) {

**this**.cid = cid;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

}

**package** info;

**public** **class** Product {

**private** String pid;

**private** String name;

**private** **int** amount;

**private** **double** price;

**private** ProductCategory category;

**public** Product() {

**super**();

}

**public** Product(String pid, String name, **int** amount, **double** price) {

**super**();

**this**.pid = pid;

**this**.name = name;

**this**.amount = amount;

**this**.price = price;

}

**public** Product(String pid, String name, **int** amount, **double** price,

ProductCategory category) {

**super**();

**this**.pid = pid;

**this**.name = name;

**this**.setAmount(amount);

**this**.price = price;

**this**.category = category;

}

**public** String getPid() {

**return** pid;

}

**public** **void** setPid(String pid) {

**this**.pid = pid;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getAmount() {

**return** amount;

}

**public** **void** setAmount(**int** amount) {

**if**(amount<0){

System.***out***.println("库存数量异常，请联系管理员");

**this**.amount = 0;

}**else**{

**this**.amount = amount;

}

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**this**.price = price;

}

**public** ProductCategory getCategory() {

**return** category;

}

**public** **void** setCategory(ProductCategory category) {

**this**.category = category;

}

**public** **void** check(){

System.***out***.println("商品名称："+**this**.name);

System.***out***.println("所属类别："+**this**.category.getName());

System.***out***.println("库存数量："+**this**.price);

System.***out***.println("商品售价："+**this**.amount);

System.***out***.println("商品总价："+**this**.price\***this**.amount);

}

}

**public** **class** TestProduct {

**public** **static** **void** main(String[] args) {

//指定商品信息并盘点

ProductCategory category1 = **new** ProductCategory("11", "洗发水");

Product p1 = **new** Product("111", "潘婷洗发水400ml",

16, 40.5, category1);

p1.check();

System.***out***.println("==============");

//指定商品信息并盘点

Product p2 = **new** Product();

p2.setPid("222");

p2.setName("蜂花洗发水250ml");

p2.setPrice(11.5);

p2.setAmount(-5);

p2.setCategory(category1);

p2.check();

}

}