**随机数**：

**import** java.util.\*;

**public** **class** VerificationCode {

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

Random num = **new** Random();

System.***out***.printf("生成的验证码：%d",(num.nextInt(9)+1)\*1000 + num.nextInt(10)\*100+num.nextInt(10)\*10+num.nextInt(10));

}

}

**日历**：

import java.util.\*;

import javax.swing.JOptionPane;

public class PrintCalendar {

public static void main(String[] args) {

Calendar cal = Calendar.getInstance();

int year,month;

int flag = 0;

int count = 0;

String y = JOptionPane.showInputDialog("Please input Year");

year = Integer.parseInt(y);

String m = JOptionPane.showInputDialog("Please input Month");

month = Integer.parseInt(m);

cal.set(year,month-1,1);

System.out.printf("%-11s%-11s%-11s%-11s%-11s%-11s%-11s\n","日","一","二","三","四","五","六","");

for(int i = 0 ; i <= cal.getActualMaximum(Calendar.DAY\_OF\_MONTH); ++i){

if(count++%7 == 0) {

System.out.print("\n");

}

if((i < cal.get(Calendar.DAY\_OF\_WEEK)-1) && flag == 0) {

System.out.printf("%-4s"," ");

}else {

if(flag == 0) {

i -= i-1;

flag = 1;

}

System.out.printf("%-4d",i

);

}

}

}

}

**宠物**：

/\*\*

父类宠物类

\*/

**public** **class** Pet {

**private** String name;

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

**private** **char** sex;

**public** Pet(String name, **int** age, **char** sex) {

**super**();

**this**.name = name;

**this**.age = age;

**this**.sex = sex;

}

**public** String getName() {

**return** name;

}

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

**this**.name = name;

}

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

**return** age;

}

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

**this**.age = age;

}

**public** **char** getSex() {

**return** sex;

}

**public** **void** setSex(**char** sex) {

**this**.sex = sex;

}

**public** **void** show() {

System.***out***.println("Name:" + **this**.getName() +"\n"+

"Age:" + **this**.getAge() + "\n"+

"Sex" + **this**.getSex());

}

**public** **void** shout(){

System.***out***.println("发出吼声！！！！");

}

}、

/\*\*

子类猫

\*/

**public** **class** Cat **extends** Pet {

**private** String colar;

**public** Cat(String name, **int** age, **char** sex, String colar) {

**super**(name, age, sex);

**this**.colar = colar;

}

**public** String getColar() {

**return** colar;

}

**public** **void** setColar(String colar) {

**this**.colar = colar;

}

**public** **void** show() {

System.***out***.println("Name:" + **this**.getName() +"\n"+

"Age:" + **this**.getAge() + "\n"+

"Sex" + **this**.getSex()+"\n"+

"Color:" + **this**.getColar());

}

**public** **void** shout(){

System.***out***.println("喵喵喵");

}

}

/\*\*

测试类

\*/

**public** **class** PetTest {

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

// **TODO** Auto-generated method stub

/\*\*

\* String name, int age, char sex, String colar

\*/

Cat cat = **new** Cat("噬元兽",999,'m',"Yellow");

cat.show();

cat.shout();

}

}