//父类：

package my;

public class Employee

{

public String name;

public double salary;

public int birth;//生日月份

// 发工资

public double GetSalary()

{

return 0;

}

}

//股东类:

package my;

public class Shareholder extends Employee

{

public double share;

public Shareholder(String name,double share)

{

this.name=name;

this.share=share;

}

}

//经理类:

package my;

public class Manager extends Employee

{

boolean isbirth=false;

boolean isAddSalary=false;

public Manager(String name,double salary,int birth)

{

this.name=name;

this.salary=salary;

this.birth=birth;

}

public double GetSalary()

{

salary=4000;

return salary;

}

// 奖金

public double AddSalary()

{

double addsalary=200;

return addsalary;

}

// 生日发礼物

public void Present(int month)

{

if(month==birth)

{

isbirth=true;

System.out.println("送给"+this.name+"生日礼物");

}

}

}

//员工类:

package my;

public class Staff extends Employee

{

boolean isbirth=false;

public Staff(String name,double salary,int birth)

{

this.name=name;

this.salary=salary;

this.birth=birth;

}

public double GetSalary()

{

salary=2000;

return salary;

}

public void Present(int month)

{

if(month==birth)

{

isbirth=true;

System.out.println("送给"+this.name+"生日礼物");

}

}

}

//主函数

package my;

import java.util.Scanner;

//import java.util.ArrayList;

//import java.util.List;

//import java.lang.String;

//import java.util.\*;

import java.util.Random;

public class HelloWorld

{

public static void main(String[] args)

{

// 员工表

Staff staff[]=new Staff[2];

staff[0]=new Staff("张三",2000,4);

staff[1]=new Staff("李四",2000,5);

// 经理表

Manager manager[]=new Manager[2];

manager[0]=new Manager("王五",4000,6);

manager[1]=new Manager("赵六",4000,5);

// 股东表

Shareholder shareholder[]=new Shareholder[2];

shareholder[0]=new Shareholder("孙王",0.30);

shareholder[1]=new Shareholder("钱多",0.40);

int n=staff.length+manager.length+shareholder.length;

String[] recond=new String[n];

// 对员工、经理表格中的所有人进行生日测试

Scanner in=new Scanner(System.in);

System.out.println("输入月份");

int month=in.nextInt();

while(month<1||month>12)

{

System.out.println("请重新输入月份：");

month=in.nextInt();

}

for(int i=0;i<staff.length;i++)

{

String string="";

staff[i].Present(month);

if(staff[i].isbirth)

{

string=("收到礼物");

}

recond[i]=month+"月"+staff[i].name+"工资为"+2000+string;

// System.out.println(month+"月"+staff[i].name+"工资为"+2000+string);

}

// 加奖金

manager[0].AddSalary();

for(int i=0;i<manager.length;i++)

{

String string="";

manager[i].Present(month);

if(manager[i].isbirth)

{

string=("收到礼物");

}

recond[staff.length+i]=month+"月"+manager[i].name+"工资为"+4000+string;

}

recond[staff.length]=recond[staff.length]+"奖金为："+200;

Random random=new Random();

// 总收入

int income=random.nextInt(10000)+20000;

System.out.println("总收入为"+income);

// 总支出

double cost=0;

// 支付的总工资

double AllSalary=2000\*2+4000\*2;

// 支付的总奖金

double AllAddSalary=0;

AllAddSalary=AllAddSalary+manager[0].AddSalary();

cost=AllSalary+AllAddSalary;

double profit=income-cost;

System.out.println("总利润为："+profit);

for(int i=0;i<shareholder.length;i++)

{

double ShareholderSalary=profit\*shareholder[i].share;

recond[staff.length+manager.length+i]=month+"月"+shareholder[i].name+"工资为"+ShareholderSalary;

}

for(int i=0;i<n;i++)

{

System.out.println(recond[i]);

}

}

}

//未实现：查询操作，建数据库

运行结果截图：

