**Java实训**

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| 课程名称：java第七次作业 | 班级：1806班 | 实训日期： |
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| package 实训.作业.作业7;  public class Person {  private String name;  private double balance;  public Person() {  }  public Person(String name, double balance) {  this.name = name;  this.balance = balance;  }  public String getName() {  return name;  }  public void setName(String name) {  this.name = name;  }  public double getBalance() {  return balance;  }  public void setBalance(double balance) {  this.balance = balance;  }  public void show(){  System.out.println(this.name+"余额："+this.balance+"元");  }  }  package 实训.作业.作业7;  import java.util.ArrayList;  import java.util.Random;  public class GroupLeader extends Person {  public GroupLeader() {  }  public GroupLeader(String name, double balance) {  super(name, balance);  }  //发红包  public ArrayList<Double> giveRedEnvelop(int money,int num){  System.out.println(super.getName()+"发红包啦!");  ArrayList<Double> arrayList = new ArrayList<>();  if (super.getBalance()<money){  System.out.println("余额不足！");  return arrayList;  }  super.setBalance(getBalance()-money);  /\*double average = money/num;  double merchant = money%num;  for (int i = 0; i < num-1; i++) {  arrayList.add(average);  }  arrayList.add(average+merchant);\*/  int moneyFen = money\*100;  int time = num-1;  Random random = new Random();  for (int i = 0; i < time; i++) {  int moneyGet = random.nextInt(moneyFen/num\*2)+1;  arrayList.add((double)moneyGet/100);  moneyFen-=moneyGet;  num--;  }  arrayList.add((double)moneyFen/100);  return arrayList;  }  }  package 实训.作业.作业7;  import java.util.ArrayList;  import java.util.Random;  public class GroupMembers extends Person{  public GroupMembers() {  }  public GroupMembers(String name, double balance) {  super(name, balance);  }  //抢红包  public void grabRedEnvelop(ArrayList<Double> arrayList){  int index = new Random().nextInt(arrayList.size());  //arrayList.remove(index);  super.setBalance(super.getBalance()+arrayList.remove(index));  }  }  package 实训.作业.作业7;  import java.util.ArrayList;  import java.util.Scanner;  public class Application {  static Scanner scanner = new Scanner(System.in);  public static void main(String[] args) {  //创建群主  GroupLeader groupLeader = new GroupLeader("张三",1000.0);  //创建群成员  GroupMembers groupMembers1 = new GroupMembers("李四",0.0);  GroupMembers groupMembers2 = new GroupMembers("王五",0.0);  GroupMembers groupMembers3 = new GroupMembers("赵六",0.0);  System.out.println("========================================");  groupLeader.show();  groupMembers1.show();  groupMembers2.show();  groupMembers3.show();  System.out.print("请输入发红包的金额：");  int money = scanner.nextInt();  System.out.print("请输入发红包的个数：");  int num = scanner.nextInt();  ArrayList<Double> arrayList = groupLeader.giveRedEnvelop(money, num);  System.out.println("========================================");  groupMembers1.grabRedEnvelop(arrayList);  groupMembers2.grabRedEnvelop(arrayList);  groupMembers3.grabRedEnvelop(arrayList);  groupLeader.show();  groupMembers1.show();  groupMembers2.show();  groupMembers3.show();  }  } | | |