有课第一题：

***package*** com.test;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/25 11:36  
 \*/****public class*** T1 ***{  
  
 public static void*** main***(***String***[]*** args***) {*** MyLine myLine = ***new*** MyLine***(new*** MyPoint***(***1, 1***)***, ***new*** MyPoint***(***2, 2***))***;  
 MyPoint p1 = ***new*** MyPoint***(***1, 1***)***;  
 MyPoint p2 = ***new*** MyPoint***(***2, 2***)***;  
 ***double*** distance = MyLine.*distance****(***p1, p2***)***;  
 System.***out***.println***(***p1 + **"到"** + p2 + **"的距离为："** + distance***)***;  
 ***}  
}  
class*** MyPoint ***{  
  
 private double* x**;  
 ***private double* y**;  
  
 ***public*** MyPoint***(double*** x, ***double*** y***) {  
 this***.**x** = x;  
 ***this***.**y** = y;  
 ***}  
  
 public*** MyPoint***() {  
 }  
  
 public double*** getX***() {  
 return* x**;  
 ***}  
  
 public void*** setX***(double*** x***) {  
 this***.**x** = x;  
 ***}  
  
 public double*** getY***() {  
 return* y**;  
 ***}  
  
 public void*** setY***(double*** y***) {  
 this***.**y** = y;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "MyPoint{"** +  
 **"x="** + **x** +  
 **", y="** + **y** +  
 **'}'**;  
 ***}  
}  
class*** MyLine ***{  
  
 private*** MyPoint **MyPoint1**;  
 ***private*** MyPoint **MyPoint2**;  
  
 ***public*** MyLine***() {  
 }  
  
 public*** MyLine***(***MyPoint MyPoint1, MyPoint MyPoint2***) {  
 this***.**MyPoint1** = MyPoint1;  
 ***this***.**MyPoint2** = MyPoint2;  
 ***}  
  
 public*** MyPoint getMyPoint1***() {  
 return* MyPoint1**;  
 ***}  
  
 public void*** setMyPoint1***(***MyPoint MyPoint1***) {  
 this***.**MyPoint1** = MyPoint1;  
 ***}  
  
 public*** MyPoint getMyPoint2***() {  
 return* MyPoint2**;  
 ***}  
  
 public void*** setMyPoint2***(***MyPoint MyPoint2***) {  
 this***.**MyPoint2** = MyPoint2;  
 ***}  
  
 public static double*** distance***(***MyPoint p1, MyPoint p2***) {  
 double*** result = Math.*sqrt****(***Math.*pow****(***p1.getX***()*** - p2.getX***()***, 2***)*** + Math.*pow****(***p1.getY***()*** - p2.getY***()***, 2***))***;  
 ***return*** result;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "MyLine{"** +  
 **"MyPoint1="** + **MyPoint1** +  
 **", MyPoint2="** + **MyPoint2** +  
 **'}'**;  
 ***}  
}***

有课第二题：

***package*** com.test;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/25 11:42  
 \*/****public class*** T2 ***{  
  
 public static void*** main***(***String***[]*** args***) {*** Time time1 = ***new*** Time***(***10, 10, 10***)***;  
 Time time2 = ***new*** Time***(***20, 10, 20***)***;  
 ***int*** distance = Time.*distance****(***time1, time2***)***;  
 System.***out***.println***(***time1 + **"与"** + time2 + **"相隔"** + distance + **"秒"*)***;  
 ***}  
  
}  
  
class*** Time ***{  
  
 private int* hour**;  
 ***private int* minute**;  
 ***private int* second**;  
  
 ***public*** Time***(int*** hour, ***int*** minute, ***int*** second***) {  
 this***.**hour** = hour;  
 ***this***.**minute** = minute;  
 ***this***.**second** = second;  
 ***}  
  
 public*** Time***() {  
 }  
  
 public int*** getHour***() {  
 return* hour**;  
 ***}  
  
 public void*** setHour***(int*** hour***) {  
 this***.**hour** = hour;  
 ***}  
  
 public int*** getMinute***() {  
 return* minute**;  
 ***}  
  
 public void*** setMinute***(int*** minute***) {  
 this***.**minute** = minute;  
 ***}  
  
 public int*** getSecond***() {  
 return* second**;  
 ***}  
  
 public void*** setSecond***(int*** second***) {  
 this***.**second** = second;  
 ***}  
  
 public static int*** distance***(***Time t1, Time t2***) {  
 int*** i = t1.getHour***()*** \* 60 \* 60 + t1.getMinute***()*** \* 60 + t1.getSecond***()***;  
 ***int*** j = t2.getHour***()*** \* 60 \* 60 + t2.getMinute***()*** \* 60 + t2.getSecond***()***;  
 ***return*** Math.*abs****(***i - j***)***;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "Time{"** +  
 **"hour="** + **hour** +  
 **", minute="** + **minute** +  
 **", second="** + **second** +  
 **'}'**;  
 ***}  
}***

有课第三题：

***package*** com.test;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/24 15:41  
 \*/****public class*** Ball ***{  
  
 private*** Point **currentPoint**;  
  
 ***public*** Ball***(***Point currentPoint***) {  
 this***.**currentPoint** = currentPoint;  
 ***}  
  
 public*** Ball***() {  
 }  
  
 public void*** move***(***Line line***) {  
 double*** x1 = line.getPoint1***()***.getX***()***, y1 = line.getPoint1***()***.getY***()***;  
 ***double*** x2 = line.getPoint2***()***.getX***()***, y2 = line.getPoint2***()***.getY***()***;  
 ***double*** k = ***(***y2 - y1***)*** / ***(***x2 - x1***)***;  
 ***double*** b = y1 - x1 \* k;  
 ***for (double*** i = x1; i <= x2; i++***) {*** System.***out***.println***(***i + **", "** + ***(***k \* i + b***))***;  
 ***}  
 }*** *@Override* ***public*** String toString***() {  
 return* "Ball{"** +  
 **"currentPoint="** + **currentPoint** +  
 **'}'**;  
 ***}  
  
  
 public static void*** main***(***String***[]*** args***) {*** Line line = ***new*** Line***(new*** Point***(***-10, -20***)***, ***new*** Point***(***20, 10***))***;  
 Ball ball = ***new*** Ball***()***;  
 ball.move***(***line***)***;  
 ***}  
}  
  
class*** Point ***{  
  
 private double* x**;  
 ***private double* y**;  
  
 ***public*** Point***(double*** x, ***double*** y***) {  
 this***.**x** = x;  
 ***this***.**y** = y;  
 ***}  
  
 public*** Point***() {  
 }  
  
 public double*** getX***() {  
 return* x**;  
 ***}  
  
 public void*** setX***(double*** x***) {  
 this***.**x** = x;  
 ***}  
  
 public double*** getY***() {  
 return* y**;  
 ***}  
  
 public void*** setY***(double*** y***) {  
 this***.**y** = y;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "Point{"** +  
 **"x="** + **x** +  
 **", y="** + **y** +  
 **'}'**;  
 ***}  
}  
class*** Line ***{  
  
 private*** Point **point1**;  
 ***private*** Point **point2**;  
  
 ***public*** Line***() {  
 }  
  
 public*** Line***(***Point point1, Point point2***) {  
 this***.**point1** = point1;  
 ***this***.**point2** = point2;  
 ***}  
  
 public*** Point getPoint1***() {  
 return* point1**;  
 ***}  
  
 public void*** setPoint1***(***Point point1***) {  
 this***.**point1** = point1;  
 ***}  
  
 public*** Point getPoint2***() {  
 return* point2**;  
 ***}  
  
 public void*** setPoint2***(***Point point2***) {  
 this***.**point2** = point2;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "Line{"** +  
 **"point1="** + **point1** +  
 **", point2="** + **point2** +  
 **'}'**;  
 ***}  
}***

有课第四题：

***package*** com.test;  
  
***import*** java.util.ArrayList;  
***import*** java.util.List;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/25 11:13  
 \*/****public class*** Market ***{  
  
 private*** String **name**;  
 ***private*** List***<***Goods***>* list** = ***new*** ArrayList***<>(***10***)***;  
 ***public static int*** *count* = 10;  
  
 ***public*** Market***() {*** List***<***Goods***>*** goodsList = ***new*** ArrayList***<>(***10***)***;  
 ***for (int*** i = 0; i < 10; i++***) {*** goodsList.add***(new*** Goods***(*"苹果"**, 5***))***;  
 ***}  
 }  
  
 public*** String getName***() {  
 return* name**;  
 ***}  
  
 public void*** setName***(***String name***) {  
 this***.**name** = name;  
 ***}  
  
 public*** List***<***Goods***>*** getList***() {  
 return* list**;  
 ***}  
  
 public void*** setList***(***List***<***Goods***>*** list***) {  
 this***.**list** = list;  
 ***}  
  
 public static void*** main***(***String***[]*** args***) {*** Market market = ***new*** Market***()***;  
 market.setName***(*"永辉超市"*)***;  
  
 Customer customer = ***new*** Customer***(*"张三"**, 1000***)***;  
 customer.toShopping***(***market***)***;  
 *//购买的物品* List***<***Goods***>*** goodsList = ***new*** ArrayList***<>(***5***)***;  
 ***for (int*** i = 0; i < 5; i++***) {*** goodsList.add***(new*** Goods***(*"苹果"**, 5***))***;  
 ***}*** customer.purchase***(***goodsList***)***;  
 ***}  
}  
  
class*** Customer ***{  
  
 private*** String **name**;  
 ***private double* remainMoney**;  
 ***private*** Market **market**;  
  
 ***public*** Customer***(***String name, ***double*** remainMoney***) {  
 this***.**name** = name;  
 ***this***.**remainMoney** = remainMoney;  
 ***}  
  
 public*** Customer***() {  
 }  
  
 public void*** toShopping***(***Market market***) {  
 this***.**market** = market;  
 System.***out***.println***(*name** + **"到达超市"*)***;  
 ***}  
  
 public void*** purchase***(***List***<***Goods***>*** list***) {  
 double*** consumption = 0;  
 Market.*count* = Market.*count* - list.size***()***;  
 ***for (***Goods goods : list***) {* remainMoney** -= goods.getPrice***()***;  
 consumption += goods.getPrice***()***;  
 ***}*** System.***out***.println***(this***.**name** + **"在"** + **market**.getName***()*** + **"完成购买，消费了："** + consumption + **"，剩下"** + ***this***.**remainMoney*)***;  
 ***}  
  
 public*** String getName***() {  
 return* name**;  
 ***}  
  
 public void*** setName***(***String name***) {  
 this***.**name** = name;  
 ***}  
  
 public double*** getRemainMoney***() {  
 return* remainMoney**;  
 ***}  
  
 public void*** setRemainMoney***(double*** remainMoney***) {  
 this***.**remainMoney** = remainMoney;  
 ***}  
}  
  
  
class*** Goods ***{  
  
 private double* price**;  
 ***private*** String **name**;  
  
 ***public*** Goods***(***String name, ***double*** price***) {  
 this***.**price** = price;  
 ***this***.**name** = name;  
 ***}  
  
 public*** Goods***() {  
 }  
  
 public double*** getPrice***() {  
 return* price**;  
 ***}  
  
 public void*** setPrice***(double*** price***) {  
 this***.**price** = price;  
 ***}  
  
 public*** String getName***() {  
 return* name**;  
 ***}  
  
 public void*** setName***(***String name***) {  
 this***.**name** = name;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "Goods{"** +  
 **"price="** + **price** +  
 **", name='"** + **name** + **'\''** +  
 **'}'**;  
 ***}  
}***

有课第五题

***package*** com.test;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/25 11:47  
 \*/****public class*** T5 ***{  
  
 public static void*** main***(***String***[]*** args***) {*** Card card = ***new*** Card***(***1000, **"123456789"*)***;  
 *//插卡* ATM atm = ***new*** ATM***(***card***)***;  
 *//取钱* ***double*** money = atm.getMoney***(***100***)***;  
 System.***out***.println***(*"请提取现金："** + money***)***;  
 *//存钱* atm.saveMoney***(***200***)***;  
 ***}  
}  
  
class*** Card ***{  
  
 private double* remainMoney**;  
 ***private*** String **num**;  
  
 ***public*** Card***(double*** remainMoney, String num***) {  
 this***.**remainMoney** = remainMoney;  
 ***this***.**num** = num;  
 ***}  
  
 public double*** getRemainMoney***() {  
 return* remainMoney**;  
 ***}  
  
 public void*** setRemainMoney***(double*** remainMoney***) {  
 this***.**remainMoney** = remainMoney;  
 ***}  
  
 public*** String getNum***() {  
 return* num**;  
 ***}*** *@Override* ***public*** String toString***() {  
 return* "Card{"** +  
 **"remainMoney="** + **remainMoney** +  
 **", num='"** + **num** + **'\''** +  
 **'}'**;  
 ***}  
  
 public void*** setNum***(***String num***) {  
 this***.**num** = num;  
 ***}  
}  
  
class*** ATM ***{  
  
 private*** Card **card**;  
  
 ***public*** ATM***(***Card card***) {  
 this***.**card** = card;  
 ***}  
  
 public double*** getMoney***(double*** getMoney***) {* card**.setRemainMoney***(*card**.getRemainMoney***()*** - getMoney***)***;  
 ***return*** getMoney;  
 ***}  
  
 public void*** saveMoney***(double*** save***) {* card**.setRemainMoney***(*card**.getRemainMoney***()*** + save***)***;  
 System.***out***.println***(*"您已经为："** + **card**.getNum***()*** + **"卡号存入了"** + save + **"，当前余额："** + **card**.getRemainMoney***())***;  
 ***}  
}***