public class InstrumentToSell extends Instrument {

private int price;

private String sellDate;

private int discountPercent;

private boolean isSold;

public InstrumentToSell(String instrumentName, int price, String sellDate, int discountPercent, boolean isSold) {

super(instrumentName);

this.price = price;

this.sellDate = "";

this.discountPercent = 0;

this.isSold = false;

}

// setter method or mutator method

public void setPrice(int price) {

if (this.isSold == false) {

this.price = price;

} else {

System.out.println("There is not possible way to chage the price");

}

}

public void setSellDate(String sellDate) {

this.sellDate = sellDate;

}

public void setDiscoundPercent(int discountPercent) {

this.discountPercent = discountPercent;

}

public void setIsSold(boolean isSold) {

this.isSold = isSold;

}

// getter method or accessor method

public int getPrice() {

return this.price;

}

public String getSellDate() {

return this.sellDate;

}

public int getDiscountPercent() {

return this.discountPercent;

}

public boolean getIssold() {

return this.isSold;

}

public void InstrumentToSell(String customerName, String customerPhoneNo, int PANNo, String sellDate,

int discountPercent) {

if (isSold == true) {

System.out.println("It is already sold.");

System.out.println("The name of the customer is " + customerName);

System.out.println("The phone number of the customer is " + customerPhoneNo);

System.out.println("The selling date to the customer is " + sellDate);

System.out.println("The PAN no of the customer is " + PANNo);

} else {

super.setCustomerName(customerName);

super.setCustomerMobileNo(customerPhoneNo);

super.setPANNo(PANNo);

this.discountPercent = discountPercent;

this.sellDate = sellDate;

this.isSold = true;

}

}

public void display() {

super.display();

if (isSold == true) {

double discountP = this.discountPercent;

double priceWithout = this.price;

double discountAmount = (priceWithout\*discountP)/100;

double totalPriceWithDiscount = priceWithout - discountAmount;

System.out.println("The customer name is " + super.getCustomerName());

System.out.println("The customer phone number is " + super.getCustomerMobileNo());

System.out.println("The date of sell is " + this.sellDate);

System.out.println("The price of the instrument with discount is " + totalPriceWithDiscount);

}

}

}