import java.io.File;

import java.io.FileNotFoundException;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.List;

import java.util.Scanner;

public class DataReader {

public static void main (String [] args) {

List<String> allTrades = new ArrayList<>();

File datei = new File("test-market.csv");

Scanner scan = null;

try {

scan = new Scanner(datei);

} catch (FileNotFoundException e) {

System.out.println("File not found.");

e.printStackTrace();

}

while(scan.hasNext()) {

String newTrade = scan.nextLine();

String[] splittedTrade = newTrade.split(";");

String dateAndTime = splittedTrade[0];

String[] splittedDateAndTime = dateAndTime.split(" ");

String date = splittedDateAndTime[0];

String time = splittedDateAndTime[1];

String companyTicker = splittedTrade[1];

String priceWithComma = splittedTrade[2].replace(",", ".");

double price = Double.parseDouble(priceWithComma);

int numberOfSecuritiesTraded = Integer.parseInt(splittedTrade[3]);

Trade trade = new Trade(date, time, companyTicker, price, numberOfSecuritiesTraded);

trade.addTradesToList(trade);

}

}

}

import java.util.ArrayList;

import java.util.List;

public class Trade{

String date;

String time;

String companyTicker;

double price;

int numberOfSecuritiesTraded;

List<Trade> listOfTrades = new ArrayList<Trade>();

public Trade(String date, String time, String companyTicker, double price, int numberOfSecuritiesTraded) {

this.date = date;

this.time = time;

this.companyTicker = companyTicker;

this.price = price;

this.numberOfSecuritiesTraded = numberOfSecuritiesTraded;

}

public void addTradesToList(Trade trade) {

listOfTrades.add(trade);

}

public String getDate() {

return date;

}

public void setDate(String date) {

this.date = date;

}

public String getTime() {

return time;

}

public void setTime(String time) {

this.time = time;

}

public String getCompanyTicker() {

return companyTicker;

}

public void setCompanyTicker(String companyTicker) {

this.companyTicker = companyTicker;

}

public double getPrice() {

return price;

}

public void setPrice(double price) {

this.price = price;

}

public int getNumberOfSecuritiesTraded() {

return numberOfSecuritiesTraded;

}

public void setNumberOfSecuritiesTraded(int numberOfSecuritiesTraded) {

this.numberOfSecuritiesTraded = numberOfSecuritiesTraded;

}

public List<Trade> getListOfTrades() {

return listOfTrades;

}

public void setListOfTrades(List<Trade> listOfTrades) {

this.listOfTrades = listOfTrades;

}

}