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import java.io.*;
import java.util.ArrayList;
import java.util.Arrays;

public class Basket implements Serializable {
    private String[] arrName;
    private int[] arrPrice;
    private int[] arrKol;

    static Basket loadFromBinFile(File file) {
        Basket basket = null;
        try (FileInputStream fileInputStream = new FileInputStream(file);
            ObjectInputStream objectInputStream = new
ObjectInputStream(fileInputStream)) {
            basket = (Basket) objectInputStream.readObject();
        } catch (Exception exception) {
            System.out.println(exception.getMessage());
        }
        return basket;
    }

    static Basket loadFromTxtFile(File textFile) {
        ArrayList<String> listStr = new ArrayList<>(3);
        Basket basket = null;
        try (BufferedReader reader = new BufferedReader(new
FileReader(textFile))) {
            String promVar;
            while ((promVar = reader.readLine()) != null) {
                listStr.add(promVar);
            }
            String[] promArrName = listStr.get(0).split(",");//массив
String наименований
            String[] promArrKol = listStr.get(1).split(",");//
промежуточный массив String количества
            int[] arrKol = new int[promArrKol.length];//интовый массив
цен

            //перегонка стрингов в инты
            for (int i = 0; i < promArrKol.length; i++) {
                arrKol[i] = Integer.parseInt(promArrKol[i]);
            }
            String[] promArrPrice =
listStr.get(2).split(",");//промежуточный массив String цен
            int[] arrPrice = new int[promArrPrice.length];//интовый
массив кол-ва

            //перегонка стрингов в инты
            for (int i = 0; i < promArrPrice.length; i++) {
                arrPrice[i] = Integer.parseInt(promArrPrice[i]);
            }
            basket = new Basket(promArrName, arrPrice);
            basket.arrKol = arrKol;
        } catch (IOException exception) {
            System.out.println(exception.getMessage());
        }

        return basket;
    }

    public Basket(String[] arrName, int[] arrPrice) {
        this.arrName = arrName;
        this.arrPrice = arrPrice;
        arrKol = new int[arrPrice.length];
    }
}

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    }

    public void addToCart(int productNum, int amount) {
        arrKol[productNum] += amount; //добавление количества товаров в
массив количества
    }

    //метод обработки и печати массивов
    public void printCart() {
        int summ = 0;
        for (int i = 0; i < arrKol.length; i++) {
            summ += arrKol[i] * arrPrice[i];
        }
        if (summ > 0) {

System.out.println("_____Корзина_____");
            for (int i = 0; i < arrKol.length; i++) {
                if (arrKol[i] > 0) {
                    System.out.println("|Наименование: " + arrName[i] +
"| Цена: " + arrPrice[i] + "| Кол-во: " + arrKol[i] +
                    "| Сумма за позицию: " + (arrKol[i] *
arrPrice[i]));
                }
            }

System.out.println("_____Ит
ого к оплате: " + summ);
        }
    }

    @Override
    public String toString() {
        String aN = "", aP = "", aK = "";
        for (String item : arrName) {
            aN += item + ",";
        }
        for (int item : arrPrice) {
            aP += item + ",";
        }
        for (int item : arrKol) {
            aK += item + ",";
        }
        return aN + "\n" + aK + "\n" + aP;
    }

    public void saveTxt(File textFile) {
        try (FileWriter writer = new FileWriter(textFile, false)) {
            writer.write(toString());
            writer.flush();
        } catch (IOException exception) {
            System.out.println(exception.getMessage());
        }
    }

    public void saveBin(File file) {
        Basket basket = new Basket(arrName, arrPrice);
        basket.arrKol=arrKol;
        try (FileOutputStream fileOutStr = new FileOutputStream(file);
            ObjectOutputStream objOutStr = new
ObjectOutputStream(fileOutStr)) {

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        objOutStr.writeObject(basket);
    } catch (Exception exception) {
        System.out.println(exception.getMessage());
    }
}
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