

C++ Advanced - Retake Exam - 25 June 2022

The following tasks should be submitted to the SoftUni Judge system.

1. Shopping List

Help Tom go to the supermarket. He has a list of Shopping Items with price and count of each of them.

Input

- On the **first line**, you are given an integer **number of Shopping items**.
- On the **next lines**, you are given:
 - Name of Shopping Items**
 - Price of Item**
 - Shopping Item's Count**

Note: There can only be one item with the same name.

Output

- Print the total sum of the products - **"The total sum is: {total sum} lv."**
- Sort the Shopping Items by their **final price**.
 - The final price is calculated by multiplying the Shopping Item's **count** by the Shopping Item's **price (finalPrice = count*price)**

Note: If there are two or more items with the same price, print them in the order of their entrance.

Examples

| Input | Output |
|---------|----------------------------|
| 5 | The total sum is: 17.4 lv. |
| Milk | Rice 4.5 |
| 2 | Cheese 4.1 |
| 2 | Milk 4 |
| Eggs | Eggs 2.4 |
| 0.4 | Carrots 2.4 |
| 6 | |
| Carrots | |
| 0.3 | |
| 8 | |
| Rice | |
| 1.5 | |
| 3 | |
| Cheese | |
| 4.1 | |

| Input | Output |
|----------|----------------------------|
| 6 | The total sum is: 21.5 lv. |
| Banana | Banana 6 |
| 0.6 | Cake 4.7 |
| 10 | Cream 4.4 |
| Cream | Soda 3 |
| 2.2 | Bread 2.8 |
| 2 | Cucumber 0.6 |
| Bread | |
| 1.4 | |
| 2 | |
| Soda | |
| 1 | |
| 3 | |
| Cucumber | |
| 0.3 | |

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| 1 | |
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| | |
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| 2 Cake 4.7 1 | |
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