# 03. Shopping Cart

*Peter has decided to invite some guests. For that he must do some shopping. But he will need some help because there are certain things he needs to remember. Would assist him in doing that?*

*Write a function called* ***shopping\_cart*** *which will receive* ***different number of arguments. You will need to buy products for the following three type of meals: Soup, Pizza and Dessert.*** You need to take **each argument** and make a **dictionary** with the **meal’s** **name** and the **products** **as a** **value** of the corresponding key. Every meal will have its own limit of products that can be bought for it:

***Soup: 3***

***Pizza: 4***

***Dessert: 2***

***Once you reach the limit of any of the meals the program finishes and you must sort the meals by their number of bought products in descending order. And the products must be sorted in ascending order. If you receive the same product for some of the meals more than once you must not buy it again. Be careful you could receive some products with uppercase letter! Within the shopping it is possible for you to receive the word “Stop” as well. If you receive it you must immediately stop with your shopping. The sorting criteria is the same as the mentioned above. If for some reason you receive the word “Stop” before buying even a single product you must return the following message: “No products in the cart!”.***

***Note: Submit only the function in the judge system***

### Input

* There will be **no input**, just parameters passed to your function

### Output

* **Return** the result, sorted as **described above** in the **format:**
  + **"{first\_meal\_type}:**

**- {first\_product\_of\_first\_meal\_type}**

**- {second\_product\_of\_first\_meal\_type}**

**- …**

**{second\_meal\_type}:**

**- {first\_product\_of\_second\_meal\_type}**

**{third\_meal\_type}:**

**…**

**- {last\_product\_of\_third\_meal\_type}"**

### Constrains

* There will be no meal without given product for it
* Every type of meal will have at least one product

### Examples

|  |  |
| --- | --- |
| **Test Code** | **Output** |
| print(shopping\_cart('Pizza', 'ham', 'Soup', 'carrots', 'Pizza', 'cheese', 'Pizza', 'flour', 'Dessert', 'milk', 'Pizza', 'mushrooms')) | Pizza:  - cheese  - flour  - ham  - mushrooms  Dessert:  - milk  Soup:  - carrots |
| print(shopping\_cart('Soup', 'carrots', 'Dessert', 'milk', 'Pizza', 'ham', 'Pizza', 'cheese', 'Dessert', 'eggs')) | Dessert:  - eggs  - milk  Pizza:  - cheese  - ham  Soup:  - carrots |
| print(shopping\_cart('Finish', 'Pizza', 'ham', 'Pizza', 'mushrooms', 'Soup', 'carrots', 'Dessert', 'milk')) | No products in the cart! |