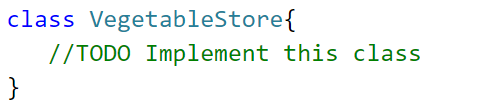
## Problem 2. Vegetable store



Write a **class Vegetable store**, which supports the described functionality below.

**Functionality**

**Constructor**

Should have these **3** properties:

* **owner - string**
* **location - string**
* **availableProducts - empty array**

**At the initialization** of the **VegetableStore** class, the **constructor** accepts the **owner** and **location.**

**Hint:** You can add more properties to help you finish the task.

### **loadingVegetables (vegetables)**

This method makes loading of the products in the store. The method takes 1 argument: **vegetables (array of strings)**.

* **Every element** into this array is information about vegetable in the format:

**"{type} {quantity} {price}"**

* They are separated by a single space. The **quantity** and **price** are per unit kilogram. **Example**: ["**Okra 2.5** **3.5**"**,** **"Beans** **10** **2.8", "Celery 5.5 2.2"…**]
* If the **type** of the current vegetable is already present in **availableProducts** array, add the new quantity to the old one and update the old price per kilogram **only if** the current one is **higher**.
* Otherwise, should **add** the vegetable, with properties: **{type, quantity, price}** to the **availableProducts array**.
* In all cases, you must **finally return a string** in the following format:

**`Successfully added {type1}, {type2}, …{typeN}`**

**Note**: When returning the **string**, keep in mind that the different **types** of **vegetables** **must** be:

* **Unique** -for instance**:** 
  + **"Successfully added Okra, Beans, Celery"** - is a correctly returned string
  + **"Successfully added Okra, Beans, Okra"** - is not a correctly returned string
* **Separated** by **comma** and **space (, )**

### **buyingVegetables (selectedProducts)**

With this method, customers can buy products from the store. The method takes 1 argument: **selectedProducts (array of strings)**.

* **Every element** in this array is information about the selected vegetables in the format:

**"{type} {quantity}"**

* For each element of the array **selectedProducts**, check:
  + If the **type** of the current vegetable is not present in **availableProducts** array, an error with the following message should be **thrown**:

**`{type} is not available in the store,** **your current bill is ${totalPrice}.`**

* + - **totalPrice -** is the total price of all customer's **purchases**, if there are **no** purchases yet the **value** should **be 0.00.**
  + If the **quantity** selected by the customer for a given vegetable **is greater** than the quantity recorded in the array **availableProducts**,an error with the following message should be **thrown**:

**`The quantity {quantity} for the vegetable {type} is not available in the store, your current bill is ${totalPrice}.`**

* + - **totalPrice -** is the total price of all customer's **purchases**, if there are **no** purchases yet the **value** should **be 0.00.**
  + Otherwise, if the above conditions are **not** met, you have to **calculate** the **price** for the given vegetable by **multiplying** the price per kilogram for the **given type** by the **quantity** desired by the customer. Then reduce the quantity recorded in the **availableProducts** array.
  + **Note:** **Add** a **variable** that will calculate the **total price** obtained from the individual prices of **each** vegetable in the array.
* Finally, you need to **return** the string in the following format:

**`Great choice! You must pay the following amount ${totalPrice}.`**

**Note:** The **totalPrice** must be rounded to the second decimal point and **before** the **price** must have a **dollar sign** (**$**).

### **rottingVegetable (type, quantity)**

With this method, the freshness of the vegetables in the store is preserved, removing the rotting vegetables. The method takes 2 arguments:

* **type (string)**
* **quantity (number)**
* If the submitted **type** is not present in the **availableProducts** array, an error with the following message should be **thrown**:

**`{type} is not available in the store.`**

* If the submitted **quantity is greater** than the quantity recorded in the **availableProducts** array, then the **value** of the quantity in the array becomes **zero,** and **return** the **following string:**

**`The entire quantity of the {type} has been removed.`**

* Otherwise, reduce the **quantity** recorded in the array **availableProducts** with the quantity obtained as a parameter, and **return** the string in the following format:

**`Some quantity of the {type} has been removed.`**

### **revision ()**

* This method **returns** **all** available **products** in the store in the following format:
* The first line shows the following message:

**"Available vegetables:"**

* On the new line, display information about each vegetable sorted in **ascending** order of **price**:

**`{type}-{quantity}-${price}`**

* The last line shows the following message:

**`The owner of the store is {owner}, and the location is {location}.`**

### **Example**

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| **Input 1** |
| let vegStore = new VegetableStore("Jerrie Munro", "1463 Pette Kyosheta, Sofia");  console.log(vegStore.loadingVegetables(["Okra 2.5 3.5", "Beans 10 2.8", "Celery 5.5 2.2", "Celery 0.5 2.5"])); |

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| **Output 1** |
| **Successfully added Okra, Beans, Celery** |

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| **Input 2** |
| let vegStore = new VegetableStore("Jerrie Munro", "1463 Pette Kyosheta, Sofia");  console.log(vegStore.loadingVegetables(["Okra 2.5 3.5", "Beans 10 2.8", "Celery 5.5 2.2", "Celery 0.5 2.5"]));  console.log(vegStore.buyingVegetables(["Okra 1"]));  console.log(vegStore.buyingVegetables(["Beans 8", "Okra 1.5"]));  console.log(vegStore.buyingVegetables(["Banana 1", "Beans 2"])); |

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| **Output 2** |
| **Successfully added Okra, Beans, Celery**  **Great choice! You must pay the following amount $3.50.**  **Great choice! You must pay the following amount $27.65.**  **Uncaught Error: Banana is not available in the store, your current bill is $0.00.** |

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| **Input 3** |
| let vegStore = new VegetableStore("Jerrie Munro", "1463 Pette Kyosheta, Sofia");  console.log(vegStore.loadingVegetables(["Okra 2.5 3.5", "Beans 10 2.8", "Celery 5.5 2.2", "Celery 0.5 2.5"]));  console.log(vegStore.rottingVegetable("Okra", 1));  console.log(vegStore.rottingVegetable("Okra", 2.5));  console.log(vegStore.buyingVegetables(["Beans 8", "Okra 1.5"])); |

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| **Output 3** |
| **Successfully added Okra, Beans, Celery**  **Some quantity of the Okra has been removed.**  **The entire quantity of the Okra has been removed.**  **Uncaught Error: The quantity 1.5 for the vegetable Okra is not available in the store, your current bill is $22.40.** |

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| **Input 4** |
| let vegStore = new VegetableStore("Jerrie Munro", "1463 Pette Kyosheta, Sofia");  console.log(vegStore.loadingVegetables(["Okra 2.5 3.5", "Beans 10 2.8", "Celery 5.5 2.2", "Celery 0.5 2.5"]));  console.log(vegStore.rottingVegetable("Okra", 1));  console.log(vegStore.rottingVegetable("Okra", 2.5));  console.log(vegStore.buyingVegetables(["Beans 8", "Celery 1.5"]));  console.log(vegStore.revision()); |

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| **Output 4** |
| **Successfully added Okra, Beans, Celery**  **Some quantity of the Okra has been removed.**  **The entire quantity of the Okra has been removed.**  **Great choice! You must pay the following amount $26.15.**  **Available vegetables:**  **Celery-4.5-$2.5**  **Beans-2-$2.8**  **Okra-0-$3.5**  **The owner of the store is Jerrie Munro, and the location is 1463 Pette Kyosheta, Sofia.** |