Hamleys is a famous toy shop in the city. They wanted to get the toy details based on the quantity. Those toys whose required quantity is less than the quantity set by the dealer are delivered on the same day, else they are delivered once the required quantity is available. You, being a software developer, help them in developing a Java program based on the requirement.

**Component Specification: ToyOrderMain**

|  |  |  |
| --- | --- | --- |
| **Type (Class)** | **Attributes** | **Methods** |
| **ToyOrderMain** | private Map<String, Integer> **toyMap** | Getter and setter methods for the attribute are included in the code skeleton. |

**Note:** key:toyName  value:quantity for toyMap attribute

**Requirement 1: Find the quantity of the given Toy**

|  |  |  |
| --- | --- | --- |
| **Type (Class)** | **Methods** | **Responsibilities** |
| **ToyOrderMain** | public int **findQuantity** (String toyName) | This method accepts toyName as an argument. If the toyName is present on the Map, it must return the quantity. Else return -1.  ***condition:****toyName is case insensitive.* |

**Requirement 2: Filter the toys with quantity less than or equal to the given quantity**

|  |  |  |
| --- | --- | --- |
| **Type (Class)** | **Methods** | **Responsibilities** |
| **ToyOrderMain** | public List<String> **findToysBasedOnTheGivenQuantity**(int quantity) | This method accepts quantity as an argument. It searches for the toyName with a quantity less than or equal to the given quantity, if it matches then add the toyName to a List and return the List. |

**Note:**

* In the Sample Input / Output provided, the highlighted text in bold corresponds to the input given by the user, and the rest of the text represents the output.
* Ensure to follow the object-oriented specifications provided in the question description.
* Ensure to provide the names for the classes, attributes, and methods as specified in the question description.
* Adhere to the code template, if provided.

**Sample Input/Output 1:**

Enter number of records to be added

**5**

Enter the toy details(toyName: quantity)

**Barbie:230**

**Teddy bear:210**

**Rocking horse:67**

**Puzzle:88**

**Toy car:190**

Enter the toy name to be searched

**Teddy bear**

Order placed for 210 Teddy bear

Enter the quantity to filter the toys

**100**

Toys that will be delivered on the same day are

Puzzle

Rocking horse

**Sample Input/Output 2:**

Enter number of records to be added

**5**

Enter the toy details(toyName: quantity)

**Blocks:230**

**Toy Aeroplane:210**

**Rocking horse:67**

**Puzzle:88**

**Rubber duck:190**

Enter the toy name to be searched

**Barbie**

Barbie is an invalid toy name

Enter the quantity to filter the toys

**60**

No toys were found for the given quantity