Pizza Hut

**Grade settings**: Maximum grade: 100  
**Disable external file upload, paste and drop external content**: Yes  
**Based on**: [Pizza Hut](https://cognizant.tekstac.com/mod/vpl/view.php?id=80049)  
**Run**: Yes **Evaluate**: Yes  
**Automatic grade**: Yes

Pizza Hut is a famous Pizza shop across the city. They wanted to get the order details based on the pizza type. The manager intimates a software developer to help in their process. You are being the software developer, develop a Java program based on the requirement.

**Component Specification: PizzaOrderMain Class**

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

***Note****:**Here the orderMap,  holds the Key as OrderId and Value as pizzaType.*

**Requirement 1: Find the number of orders based on the given pizzaType**

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| --- | --- | --- |
| **Type (Class)** | **Methods** | **Responsibilities** |
| **PizzaOrderMain** | public int **findTheNumberOfOrdersBasedOnThePizzaType**(String pizzaType) | This method accepts pizzaType as an argument. If the pizzaType matches the pizzaType present in the Map, it must count the orders and return the count. Else return -1.  ***Condition****:****pizzaType is a case-insensitive*** |

**Requirement 2: Filter the OrderIds based on the pizzaType.**

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| **Type (Class)** | **Methods** | **Responsibilities** |
| **PizzaOrderMain** | public List<Integer> **findOrderIdsBasedOnPizzaType**(String pizzaType) | This method filters the orderMap and returns the list of OrderIds with the same pizzaType .  ***Condition****:****pizzaType is a case-insensitive*** |

**You are provided with the main method as code template and it is excluded from evaluation.**

**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 orders to be added

**4**

Enter the orders (Order Id: Pizza Type)

**1028:ChicagoPizza**

**3643:MexicanPizza**

**8293:CaliforniaPizza**

**2938:GreekPizza**

Enter the Pizza type to be searched

**greekPIZZA**

The orders based on greekPIZZA are 1

Enter the Pizza type to identify the Order Id

**chicagoPizza**

Orders based on the chicagoPizza are

1028

**Sample Input/Output 2:**

Enter number of orders to be added

**2**

Enter the orders (Order Id: Pizza Type)

**2392:MexicanPizza**

**2772:GreekPizza**

Enter the Pizza type to be searched

**CaliforniaPizza**

No orders were found for CaliforniaPizza

Enter the Pizza type to identify the Order Id

**GreekPizza**

Orders based on the GreekPizza are

2772

**Sample Input/Output 3:**

Enter number of orders to be added

**2**

Enter the orders (Order Id: Pizza Type)

**2392:MexicanPizza**

**2772:GreekPizza**

Enter the Pizza type to be searched

**MexicanPizza**

The orders based on MexicanPizza are 1

Enter the Pizza type to identify the Order Id

**SicilianPizza**

No Order Id were found for the pizza SicilianPizza