Angel’s Cabin(---RETIRED---)

Grade settings: Maximum grade: 100
Disable external file upload, paste and drop external content: Yes
Based on: Angel’s Cabin(---RETIRED---)
Run: Yes **Evaluate**: Yes
Automatic grade: Yes

Angel's Cabin is a popular Bouquet store throughout the city. They wanted to count the bouquets sold based on the given range and find the orderId based on the number of bouquets sold. The manager intimates a software developer to help in their process. You, being the software developer, develop a Java program based on the requirement.

Component Specification: BouquetShopMain Class

Type (Class)	Attributes	Methods
BouquetShopMain	private Map<String, Integer> **orderMap**	Getters and setters methods for the attribute are included in the code skeleton.

Note: *Here the orderMap, holds the Key as orderId and Value as bouquetCount.*

Requirement 1: Find the total count of bouquets sold based on the given range.

Type (Class)	Methods	Responsibilities
BouquetShopMain	public int **findTotalCountOfBouquetsSoldBasedOnTheGivenRange**(int startCount, int endCount)	This method accepts two parameters, startCount, and endCount. It filters the orders and calculates the sum of the bouquetCount in the given range and returns the result. Else return -1. ***Condition:*** *Both startCount*

		and endCount are inclusive

Requirement 2: Find the OrderIds based on the bouquetCount.

Type (Class)	Methods	Responsibilities
BouquetShopMain	public List<String> **findOrderIdsBasedOnBouquetsSold**()	This method filters the orderMap and returns the list of orderId's that satisfy the below condition ***Condition:*** *All orders whose bouquetCount is greater than or equal to 500 are added to the list.*

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

3

Enter the orders (Order Id: Bouquet count)

JHKJ:350

JHGJ:9

GJJK:800

Enter the start and end count

350

800

The total count of bouquets are 1150

Order Id based on the bouquet count are

GJJK

Sample Input/Output 2:

Enter number of orders to be added

2

Enter the orders (Order Id: Bouquet count)

HSGD:5

AJSJ:560

Enter the start and end count

200

300

No bouquets were found

Order Id based on the bouquet count are

AJSJ

Sample Input/Output 3:

Enter number of orders to be added

2

Enter the orders (Order Id: Bouquet count)

SJH:236

SJD:435

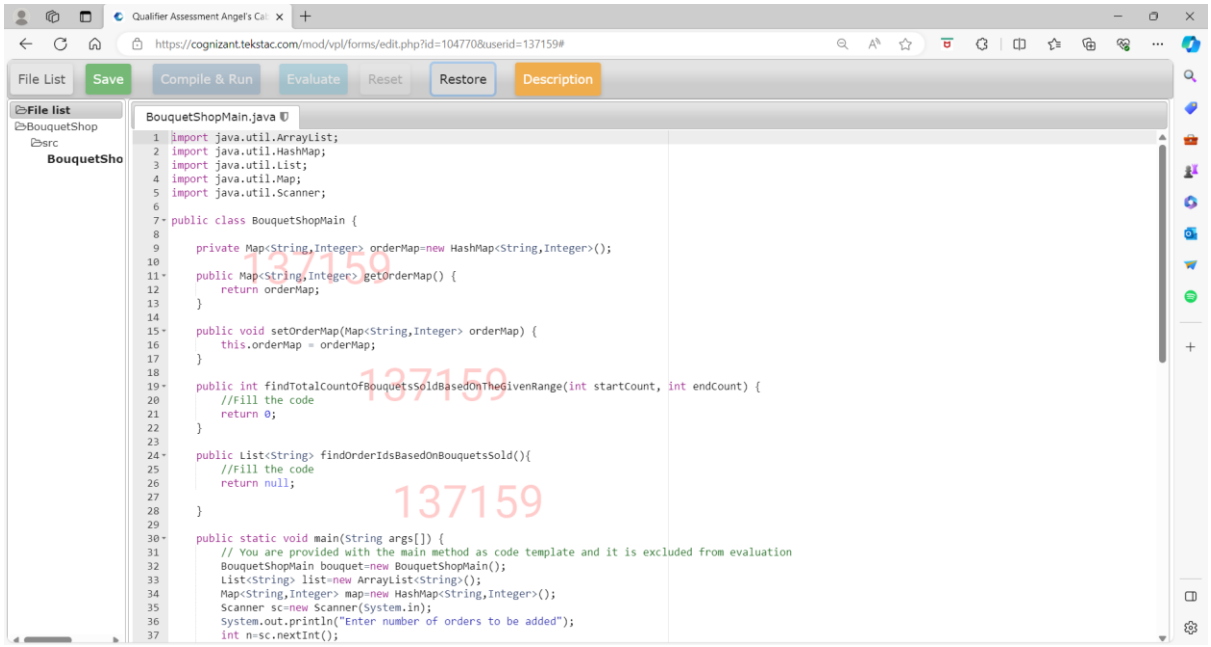
Enter the start and end count

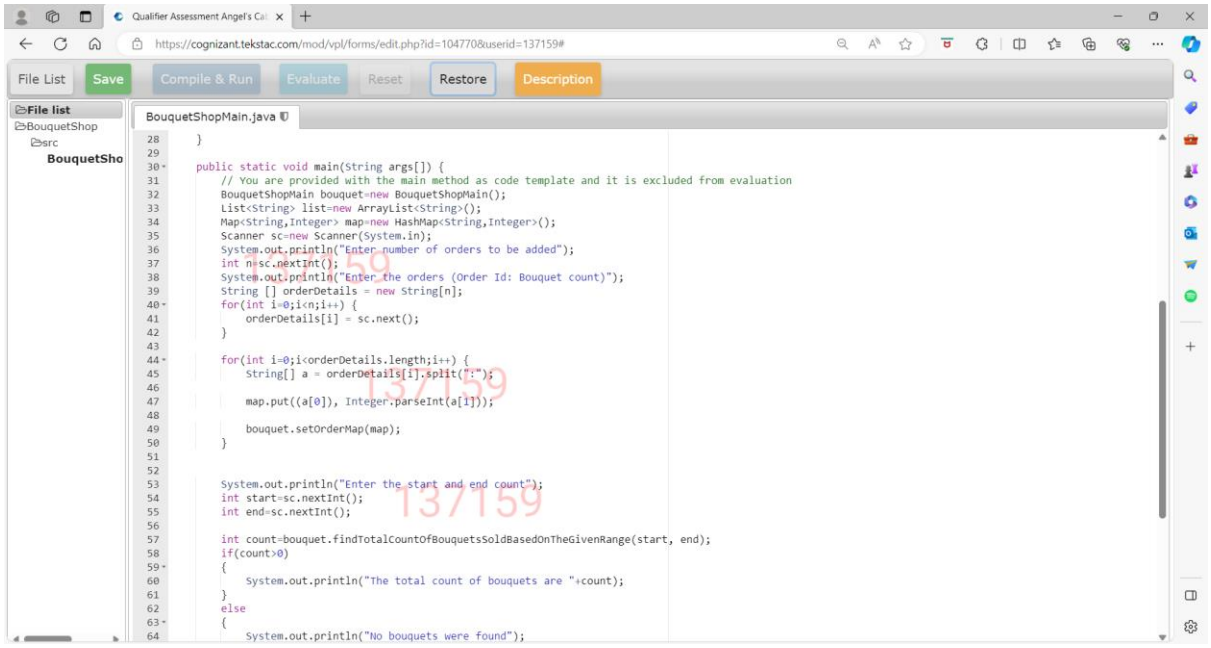
200

250

The total count of bouquets are 236

No Order Id were found




Qualifier Assessment Angel's Cal
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File List
Save
Compile & Run
Evaluate
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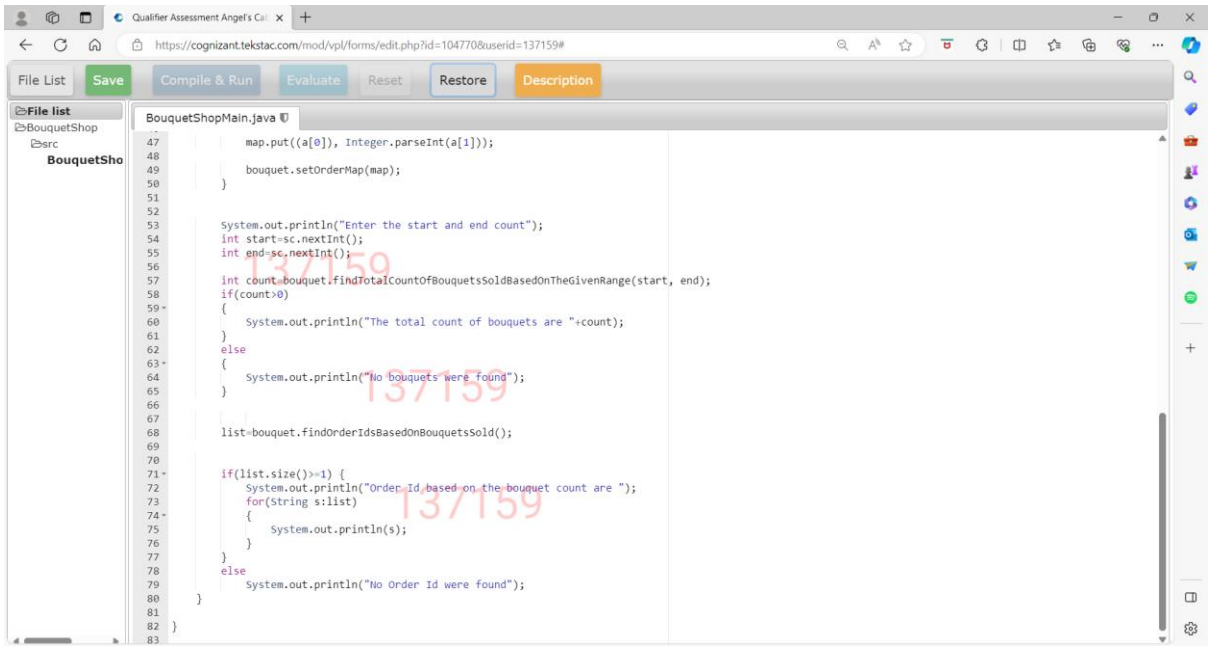
Description
File list
BouquetShop
src
BouquetSho
BouquetShopMain.java
28 }
29
30 public static void main(String args[]) {
31 // You are provided with the main method as code template and it is excluded from evaluation
32 BouquetShopMain bouquet=new BouquetShopMain();
33 List<String> list=new ArrayList<String>();
34 Map<String,Integer> map=new HashMap<String,Integer>();
35 Scanner sc=new Scanner(System.in);
36 System.out.println("Enter number of orders to be added");
37 int n=sc.nextInt();
38 System.out.println("Enter the orders (Order Id: Bouquet count)");
39 String [] orderDetails = new String[n];
40 for(int i=0;i<n;i++) {
41 orderDetails[i] = sc.next();
42 }
43
44 for(int i=0;i<orderDetails.length;i++) {
45 String[] a = orderDetails[i].split(":");
46
47 map.put((a[0]), Integer.parseInt(a[1]));
48
49 bouquet.setOrderMap(map);
50 }
51
52
53 System.out.println("Enter the start and end count");
54 int start=sc.nextInt();
55 int end=sc.nextInt();
56
57 int count=bouquet.findTotalCountOfBouquetsSoldBasedOnTheGivenRange(start, end);
58 if(count>0)
59 {
60 System.out.println("The total count of bouquets are "+count);
61 }
62 else
63 {
64 System.out.println("No bouquets were found");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54 int start=sc.nextInt();
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57 int count=bouquet.findTotalCountOfBouquetsSoldBasedOnTheGivenRange(start, end);
58 if(count>0)
59 {
60 System.out.println("The total count of bouquets are "+count);
61 }
62 else
63 {
64 System.out.println("No bouquets were found");
65 }
66
67
68 list=bouquet.findOrderIdsBasedOnBouquetsSold();
69
70
71 if(list.size()>=1) {
72 System.out.println("Order Id based on the bouquet count are ");
73 for(String s:list)
74 {
75 System.out.println(s);
76 }
77 }
78 else
79 System.out.println("No Order Id were found");
80 }
81
82 }
83