Big Sky Woodworking(---RETIRED---)

Grade settings: Maximum grade: 100
Disable external file upload, paste and drop external content: Yes
Based on: Big Sky Woodworking(---RETIRED---)
Run: Yes **Evaluate**: Yes
Automatic grade: Yes

Big Sky Woodworking is a well-known Carpentry across the city. They wanted to find the count and get the order ID's based on the wood Type. 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: WoodMain Class

Type (Class)	Attributes	Methods
WoodMain	private Map<String, String> **woodMap**	Getter and setter methods for the attribute are included in the code skeleton.

***Note**: Here the woodMap, holds the Key as orderId and Value as woodType.*

Requirement 1: Find the number of orderIds based on the given woodType.

Type (Class)	Methods	Responsibilities
WoodMain	public int **findCountOfOrderIdsBasedOnTheWoodType**(String woodType)	This method accepts woodType as an argument. If the woodType matches the woodType present in the Map, it must count the orderIds and return the same. ***Condition**:* • *woodType is a case-insensitive* • *If the woodType doesn't match the woodType present in the*

		Map, return -1.

Requirement 2: Filter the orderIds based on the woodType.

Type (Class)	**Methods**	**Responsibilities**
WoodMain	public List<String> **findOrderIdsBasedOnTheWoodType**(String woodType)	This method filters the orderIds and returns the list of order Ids that have the same woodType. ***Condition***: *woodType 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 records to be added

3

Enter the records (Order Id: Wood Type)

HSJK2878:Sandal

HGSU1762:Maple

HSGN1278:Cherry

Enter the Wood type to be searched

maple

The Order Ids based on maple are 1

Enter the Wood type to identify the Order Ids

sandal

Order Ids based on the sandal are

HSJK2878

Sample Input/Output 2:

Enter number of records to be added

2

Enter the records (Order Id: Wood Type)

JGSH8712:Maple

SJJK6771:Cherry

Enter the Wood type to be searched

Sandal

No Order Ids were found for Sandal

Enter the Wood type to identify the Order Ids

maple

Order Ids based on the maple are

JGSH8712

Sample Input/Output 3:

Enter number of records to be added

2

Enter the records (Order Id: Wood Type)

JGSH8712:Maple

SJJK6771:Cherry

Enter the Wood type to be searched

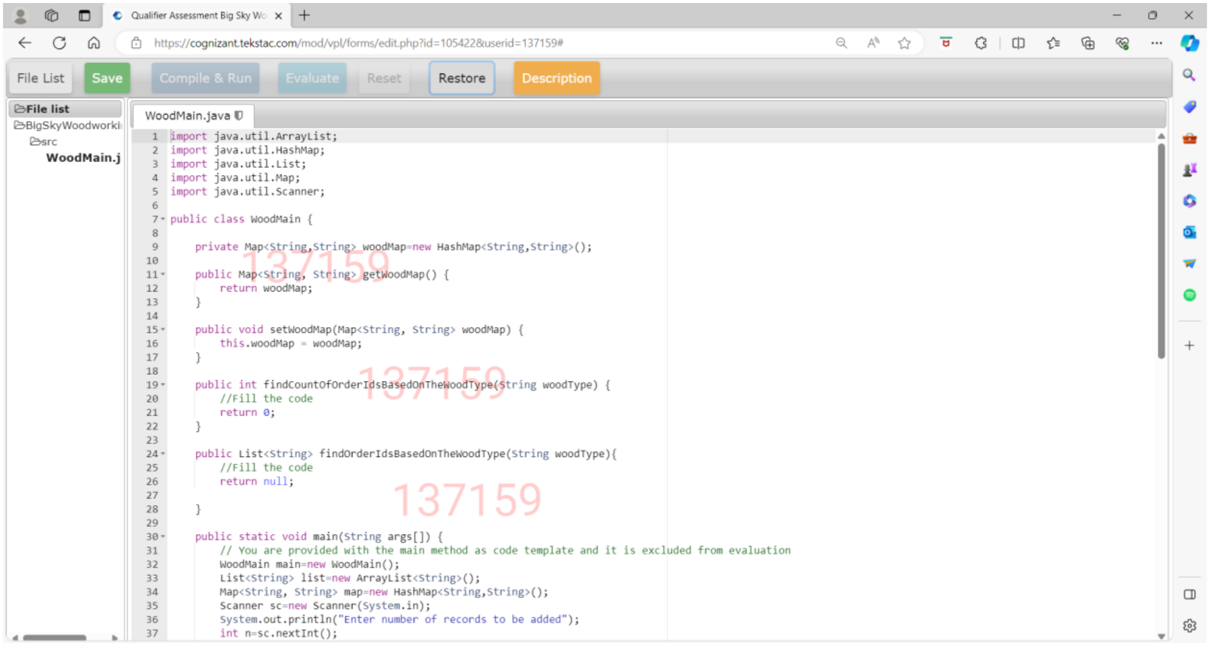
maple

The Order Ids based on maple are 1

Enter the Wood type to identify the Order Ids

sandal

No Order Ids were found for the sandal



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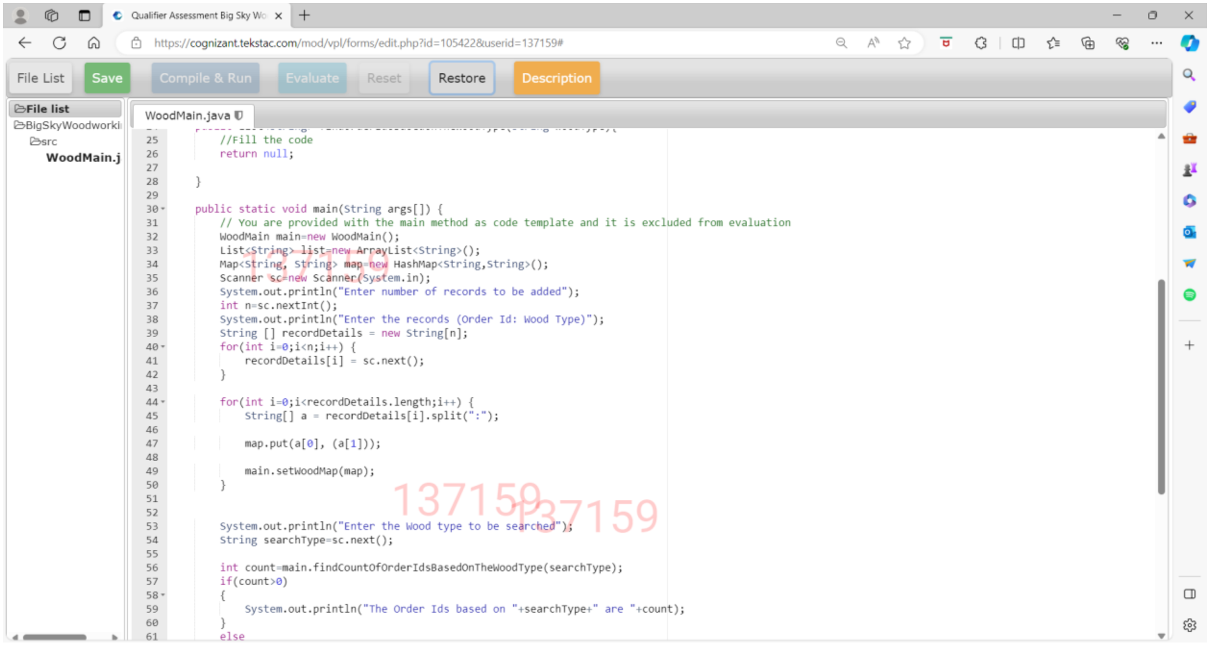
File List
Save
Compile & Run
Evaluate
Reset
Restore
Description
File list
BigSkyWoodworki
src
WoodMain.j
WoodMain.java

```java
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Scanner;

public class WoodMain {

    private Map<String,String> woodMap=new HashMap<String,String>();

    public Map<String, String> getWoodMap() {
        return woodMap;
    }

    public void setWoodMap(Map<String, String> woodMap) {
        this.woodMap = woodMap;
    }

    public int findCountOfOrderIdsBasedOnTheWoodType(String woodType) {
        //Fill the code
        return 0;
    }

    public List<String> findOrderIdsBasedOnTheWoodType(String woodType){
        //Fill the code
        return null;

    }

    public static void main(String args[]) {
        // You are provided with the main method as code template and it is excluded from evaluation
        WoodMain main=new WoodMain();
        List<String> list=new ArrayList<String>();
        Map<String, String> map=new HashMap<String,String>();
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter number of records to be added");
        int n=sc.nextInt();
```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Save
Compile & Run
Evaluate
Reset
Restore
Description
File list
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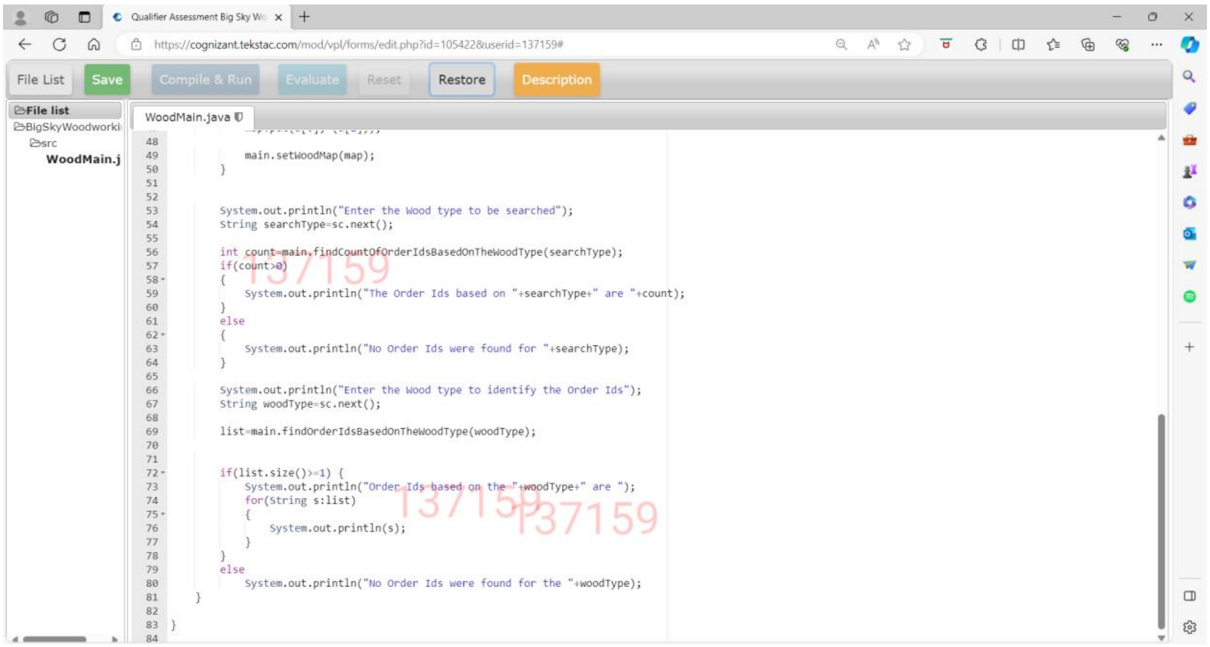
```java
        //Fill the code
        return null;

    }

    public static void main(String args[]) {
        // You are provided with the main method as code template and it is excluded from evaluation
        WoodMain main=new WoodMain();
        List<String> list=new ArrayList<String>();
        Map<String, String> map=new HashMap<String,String>();
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter number of records to be added");
        int n=sc.nextInt();
        System.out.println("Enter the records (Order Id: Wood Type)");
        String [] recordDetails = new String[n];
        for(int i=0;i<n;i++) {
            recordDetails[i] = sc.next();
        }

        for(int i=0;i<recordDetails.length;i++) {
            String[] a = recordDetails[i].split(":");

            map.put(a[0], (a[1]));

            main.setWoodMap(map);
        }


        System.out.println("Enter the Wood type to be searched");
        String searchType=sc.next();

        int count=main.findCountOfOrderIdsBasedOnTheWoodType(searchType);
        if(count>0)
        {
            System.out.println("The Order Ids based on "+searchType+" are "+count);
        }
        else
```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```java

            main.setWoodMap(map);
        }


        System.out.println("Enter the Wood type to be searched");
        String searchType=sc.next();

        int count=main.findCountOfOrderIdsBasedOnTheWoodType(searchType);
        if(count>0)
        {
            System.out.println("The Order Ids based on "+searchType+" are "+count);
        }
        else
        {
            System.out.println("No Order Ids were found for "+searchType);
        }

        System.out.println("Enter the Wood type to identify the Order Ids");
        String woodType=sc.next();

        list=main.findOrderIdsBasedOnTheWoodType(woodType);


        if(list.size()>=1) {
            System.out.println("Order Ids based on the "+woodType+" are ");
            for(String s:list)
            {
                System.out.println(s);
            }
        }
        else
            System.out.println("No Order Ids were found for the "+woodType);
    }

}

```