

Coding Activity: Bake Me A Wish

Description

Submission

Code Editor

Grading view

Bake Me A Wish is a famous Cake shop across the city. They wanted to get the order details based on the cake cost. The manager intimates a software developer to help in their process. You are being the software developer, developing a Java program based on the requirement.

Component Specification: CakeOrder Class (Class)

Type (Class)	Attributes	Methods
CakeOrder	private Map<String, Double> 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 cakeCost.

Requirement 1: Add the cake order details to the orderMap.

Type	Methods	Responsibilities
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Sample Input/Output 1:

Enter number of cake orders to be added

5

Enter the cake order details (Order Id: CakeCost)

ORDER142:780

ORDER353:190

ORDER937:780

ORDER829:560

ORDER459:700

Enter the cost to search the cake orders

600

Cake Orders above the specified cost

Order ID: ORDER142, Cake Cost: 780.0

Order ID: ORDER937, Cake Cost: 780.0

Order ID: ORDER459, Cake Cost: 700.0

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Order ID: ORDER142, Cake Cost: 780.0

Order ID: ORDER937, Cake Cost: 780.0

Order ID: ORDER459, Cake Cost: 700.0

Sample Input/Output 2:

Enter number of cake orders to be added

2

Enter the cake order details (Order Id: CakeCost)

ORDER203:120

ORDER990:300

Enter the cost to search the cake orders

300

No cake orders found

password Generation Jump to Forensic Report

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DNA Worldwide is a well-known forensic lab across the United States. They wanted to get the forensic report details based on the report filed to date. The manager intimates a software developer to help in their process. You are being the software developer, developing a Java program based on the requirement.

Component Specification: ForensicReport Class

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

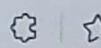
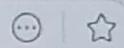
Note: Here the reportMap , holds the Key as reportingOfficerName and value as reportFiledDate.

Requirement 1: Add the report details to the reportMap.

Type (Class)	Methods	Responsibilities
ForensicReport	public void addReportDetails(String reportingOfficerName, Date reportFiledDate)	This method accepts reportingOfficer and reportFiledDate as an argument. It should add these details to the reportMap.

Requirement 2: Filter the report officers based on the reportFiledDate.





Import favorites

Requirement 2: Filter the report officers based on the reportFiledDate.

Type (Class)	Methods	Responsibilities
ForensicReport	public List<String> getOfficersWhoFiledReportsOnDate(Date reportFiledDate)	This method takes reportFiledDate as an input parameter, filters the reports, and returns a list of reporting officer names who filed reports on the given date.

In the main method of the UserInterface class, first obtain the number of reports from the user, then prompt for the report details. Use the addReportDetails method to pass the report details and store them in the reportMap. Next, get the reportFiledDate from the user to search for reports on the specified date, and invoke the getOfficersWhoFiledReportsOnDate method with the reportFiledDate. If no reporting officers' names are available, print "No reporting officer filed the report"; otherwise, print the officers' names as shown in the sample output.

Note:

- Date format has to be (yyyy-MM-dd).
- 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.
- Please do not use System.exit(x) to terminate the code.

Sample Input/Output 1:



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- Adhere to the code template, if provided.
- Please do not use System.exit(x) to terminate the code.

Sample Input/Output 1:

Enter number of reports to be added

5

Enter the Forensic reports (Reporting Officer: Report Filed Date)

Jack:2022-09-23

Max:2020-06-29

Peter:2019-07-11

Harry:2018-04-18

Peter:2018-01-16

Enter the filed date to identify the reporting officers

2020-06-29

Reports filed on the 2020-06-29 are by

Max

Sample Input/Output 2:



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Reports filed on the 2020-06-29 are by

Max

Sample Input/Output 2:

Enter number of reports to be added

2

Enter the Forensic reports (Reporting Officer: Report Filed Date)

Harry:2018-04-18

Peter:2018-01-16

Enter the filed date to identify the reporting officers

2016-12-29

No reporting officer filed the report

Bake Me A Wish

Jump to...

Heaven

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Coding Activity: Heaven Homes

Description Submission Code Editor Grading view

Heaven Homes is a famous Apartment across the city. They wanted to get the Apartment details based on the rent of the apartment. The manager intimates a software developer to help in their process. You are being the software developer, developing a Java program based on the requirement.

Component Specification: Apartment Class (Model Class)

Type (Class)	Attributes	Methods
Apartment	private Map<String, Double> apartmentDetailsMap	Getters and setters methods for the attribute are included in the code skeleton.

Note: Here the apartmentDetailsMap, holds the Key as apartmentNumber and Value as rent.

Requirement 1: Add the apartment details to the apartmentDetailsMap.

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Requirement 1: Add the apartment details to the apartmentDetailsMap.

Type (Class)	Methods	Responsibilities
Apartment	public void addApartmentDetails(String apartmentNumber, double rent)	This method accepts two parameters, apartmentNumber and rent. It should add the apartment details to the apartmentDetailsMap .

Requirement 2: Filter the apartments based on the minimumRent and maximumRent and calculate the sum of the apartment rents in that range.

Type (Class)	Methods	Responsibilities
Apartment	public double findTotalRentOfApartmentsInTheGivenRange(double minimumRent, double maximumRent)	This method accepts two parameters, minimumRent and the maximumRent. It filters and calculates the sum of the apartment rents within the specified range (both inclusive) and returns the result else returns 0.

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minimumRent, double maximumRent)	apartment rents within the specified range (both inclusive) and returns the result else returns 0.
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In the main method of the **UserInterface** class, first obtain the number of apartment details from the user. Then prompt for apartment details and store these details by invoking the **addApartmentDetails** method. Next, prompt the user for a rent range, invoke the **findTotalRentOfApartmentsInTheGivenRange** method by passing the rent range, and display the total rent amount calculated within the specified range as shown in the sample output.

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 details to be added



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- 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 details to be added

4

Enter the details (Apartment number: Rent)

A389:7500

B468:8000

C329:22000

B238:5600

Enter the range to filter the details

7500

22000

Total Rent in the range 7500.0 to 22000.0 USD:37500.0

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Enter the range to filter the details

7500

22000

Total Rent in the range 7500.0 to 22000.0 USD:37500.0

Sample Input/Output 2:

Enter number of details to be added

2

Enter the details (Apartment number: Rent)

C902:4500

G236:9000

Enter the range to filter the details

11000

17000

No apartments found in this range

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