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**Find customer by id and state**

Create a class named as **Customer**, which contains following private variable/ attributes,

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Member Field name** | **Type** | | id | Long | | name | String | | gender | Character (M/F) | | email | String | | contactNumber | String | | createdOn | Date (time in 24 hrs clock) dd/MM/yyyy HH:mm:ss | | address | Address | |

Mark all the attributes as private

Create / Generate appropriate Getters & Setters.

Add a default constructor and a parameterized constructor to take in all attributes.

Implement the following methods in the Customer class:

|  |  |  |
| --- | --- | --- |
| **No** | **Method Name** | **Method Description** |
| 1 | public Customer findCustomerById(List<Customer> customerList, Long id) | In this method, that takes up an id and returns a matching customer object. If the object is not found then return null. |
| 2 | public List<Customer> findCustomerListByState(List<Customer> customerList, String state) | In this method, given a state as a parameter, print the list of customers who belong to the state. |

Create a class named as **Address**, which contains following private variable/ attributes,

|  |  |
| --- | --- |
| **Member Field name** | **Type** |
| street | String |
| city | String |
| state | String |
| country | String |
| zipCode | Integer |

Include appropriate getters and setters.

Add a default constructor and a parameterized constructor to take in all attributes.

The customer details will be populated in a static block in this class(provide in the template code).  
Refer Sample Input and Output.  
Use the following format for specified output.  
**"%-15s %-20s %-15s %-15s %s\n", "Name", "Email", "City", "Country", "Zipcode"**  
  
**Problem Specification:**  
If the customer with the id is not found then print "**No Customer with that id**" without quotes.  
If none of the customer belongs to the state then print "**No customer belongs that state**" without quotes.  
  
**Sample Input and Output 1:**

Menu

1. Find customer by id

2. Find customer by states

Enter the choice:

**1**

Enter the Id to find customer:

**5**

Customer Name: Tedmond

Gender: M

Email: [tedmond@a.com](mailto:tedmond@a.com)

Contact Number: +88-7844-8854799658

Street: Port Townsend

City: Tacoma

State: Washington

Country: USA

Zip code: 98412

**Sample Input and Output 2:**

Menu

1. Find customer by id

2. Find customer by states

Enter the choice:

**2**

Enter the state:

**Texas**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Email | Contact no | Street | City | Country | Zipcode |
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