Create a class **ResortGuest** with the below attributes:

guestId – int
guestName – String
dateOfBooking – String (in the format dd-mon-yyyy)
noOfRoomsBooked – int
mealOption – String
totalBill – double

The above attributes should be private. Write getters setters and parameterized constructors as required.

Create class **MyClass** with main method.
Implement two static methods – **findNumberOfRoomsBookedInMonth** and **searchResortGuestByMealOpted** in MyClass class.

findNumberOfRoomsBookedInMonth method: This method will take two input parameters – array of ResortGuest objects and a String parameter. The method will return the total number of rooms booked from array of ResortGuest objects for the given month(String parameter passed.). If no rooms are booked for the given month in the array of ResortGuest objects, then the method should return 0.

searchResortGuestByMealOpted method: This method will take two input paramters – array of ResortGuest objects and a String parameter. This method will return ResortGuest object with second highest totalBill, from the array of ResortGuest objects where mealOption(meal option which can be "veg", "non-veg", "vegan") attribute matches with the given mealOption(String parameter passed).
If no ResortGuest with the given meal option is present in the array of ResortGuest objects, then the method should return null.

Note:

No two ResortGuest object would have the same ResortGuestId.

No two ResortGuest object would have the same totalBill.

The Array either has at least two objects with specified meal option OR no object with specified meal option.

All the searches should be case insensitive.

dateOfBooking is stored in the format dd-mon-yyyy(eg 12-jan-2020)

The above mentioned static methods should be called from the main method.

For findNumberOfRoomsBookedInMonth method: The main method should print the total number of booked rooms as it is if the returned value is greater than 0, else is should print **"No rooms booked"**

For searchResortGuestByMealOpted method: The main method should print the ResortGuestID from the returned ResortGuest object if the returned value is not null.

If the returned value is null, then it should print **"No such meal".**

Before calling these static methods in main, use Scanner object to read the values of four ResortGuest objects referring attributes in the above mentioned attribute sequence.

Next, read the value of two String parameters for capturing the month and meal option.

Explanation

We need to develop a java code which creates two classes i.e MyClass and ResortGuest.

In solution class, we need to write main() method and initialize all variables in this method.

Create two static methods in the MyClass class i.e.

findNumberOfRoomsBookedInMonth and searchResortGuestByMealOpted

Apply the required logic in these static methods by following all the constraints in the question and return the results to the main() method.

Finally, display all the results what we got to the output screen.