Assignment #26

# Customer Table Booking - Requirement 6

In this requirement, build a feature in which your friend will be able to see the amount of income gained on a daily basis.

1. Create a Booking Class with the following private attributes:

|  |  |
| --- | --- |
| Member Field Name | Type |
| id | Long |
| customerName | String |
| tableNumber | Integer |
| membersPresent | Integer |
| billamount | Double |
| bookingTime | java.util.Date |

1. Mark all the attributes as private, Create / Generate appropriate Getters & Setters,Add a default constructor and a parameterized constructor to take in all attributes in the given order: **Booking(Long id, String customerName, Integer tableNumber, Integer membersPresent, Double billamount, Date bookingTime)**
2. Create the following static method of**Booking** class,

|  |  |
| --- | --- |
| Method Name | Description |
| static Map<Date,Double> calculateDayBilling(List<Booking> bookings) | This method will accept a list of booking objects as an argument. Create a map which contains the booking time as key(java.util.Date) and total amount for the Booking(Double) as value. In this method iterate through the booking list and build a map having booking time as key and the total amount for particular day as value and return it. |

The input format of Booking details is separated by comma in the below order,  
(id, customerName, tableNumber, membersPresent, billamount, bookingTime)

Print the map details in the below format.  
Print format:  
**System.out.format("%-20s %s\n","Date","Amount");**

**Note:**The final details are printed in the main method. Display the details in ascending order of days. Display the amount correct to one decimal.  
  
**Sample INPUT & OUTPUT:**  
Enter the number of booking details:  
5  
10,John,10,8,1200,12-01-2018  
20,Peter,20,8,1300,13-01-2018  
30,Starc,30,4,1200,13-01-2018  
40,Mark,10,4,900,14-01-2018  
50,Jack,30,2,500,14-01-2018  
Date                         Amount  
12-01-2018           1200.0  
13-01-2018           2500.0  
14-01-2018           1400.0