

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

2. 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)**
3. Create the following static method of **Booking** class,

Method Name	Description
static Map<Date,Double> calculateDayBilling(List<Booking> bookings)	<p>This method will accept a list of booking objects as an argument.</p> <p>Create a map which contains the booking time as key(java.util.Date) and total amount for the Booking(Double) as value.</p> <p>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.</p>

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
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12-01-2018	1200.0
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13-01-2018	2500.0
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14-01-2018	1400.0
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