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

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)	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