**Cricket Kit Contribution - Requirement 4**

Lets write couple of methods to calculate the bill amount of the items purchased.  
The Items can be purchased either directly in Store or using Online portals.  
In the Online portals, we have options of delivering it either in a 1-Day mode or a normal delivery.  
Lets implement the below specifications.  
  
**Requirement 4:**  
a)Create a Class "Item" with the following attributes: 

|  |  |
| --- | --- |
| **Member Field Name** | **Type** |
| id | Long |
| name | String |
| cost | Double |
| quantity | Integer |

b) Mark all the attributes as private  
  
c) Create / Generate appropriate Getters & Setters  
  
d) Add a default constructor and a parameterized constructor to take in all attributes in the given order: Item(Long id, String name, Double cost, Integer quantity)  
  
e) Add the following methods in Item Class

|  |  |
| --- | --- |
| **Method name** | **Description** |
| static Double calculateTotalBill(List<Item> itemList) | calculate the total amount of all the items and return the total amount  [Total amount = sum of all item's (cost \* quantity) ] |
| static Double calculateTotalBill(List<Item> itemList, Integer deliveryType) | calculate the total amount of all the items with delivery charge and return the total amount(Double). |

If deliveryType is 1, it's a one-day delivery.  
For 1 day delivery, the delivery charge is 15% of total cost.  
  
If deliveryType is 2, then the delivery mode is normal delivery. For normal delivery, the delivery charge is 8% of total cost.  
  
[Total amount = sum of all item's (cost \* quantity)  + delivery charge]  
Note: While printing round off the total amount to 2 decimal points.  
The input format  consists of item details seperated by comma in the below order,  
(id,name,cost,quantity)  
  
**Sample INPUT & OUTPUT 1:**  
  
Enter the number of items:  
**3  
1,Fan,2500.0,3  
2,AC,31999.99,1  
3,LED,1250,7**  
1.Store  
2.Online  
Enter the choice:  
**1**  
Total amount:48249.99  
  
**Sample INPUT & OUTPUT 2:**  
  
Enter the number of items:  
**3**  
**1,Fan,2500.0,3  
2,AC,31999.99,1  
3,LED,1250,7**  
1.Store  
2.Online  
Enter the choice:  
**2**  
1.One day delivery  
2.Normal delivery  
Enter delivery type:  
**1**  
Total amount:55487.49  
  
**Sample INPUT & OUTPUT 3:**  
  
Enter the number of items:  
**3  
1,Fan,2500.0,3  
2,AC,31999.99,1  
3,LED,1250,7**  
1.Store  
2.Online  
Enter the choice:  
**2**  
1.One day delivery  
2.Normal delivery  
Enter delivery type:  
**2**  
Total amount:52109.99