**Customer Invoice Details**

Write a program to handle the invoice details of different customers using classes. Get the invoice details of various Customers and display the customer details for which the invoices were cleared. The program should then output the total invoice value for a specific invoice creator.

1. Create a class named **Invoice** with the following private member variables /attributes.

* **User customer**
* **Double total**
* **String status**
* **String createdBy**

Include appropriate getters, setters and constructors.

1. Create a class named **User** with the following private member variables /attributes.

* **String name**
* **String state**
* **Sting country**

Include appropriate getters, setters and constructors.

Override the **toString()**method to display the customer details in the format specified in the output.

1. Create a class named InvoiceBO and include the following methods

|  |  |  |
| --- | --- | --- |
| S.No | Method Name | Method Description |
| 1 | Public void displayUserDetailsByStatus(String status,Invoice[]invoiceArray) | In this method, display all the customer details with status ‘Cleared’. |
| 2 | Public double getTotalInvoiceValue(String userName,Invoice[]invoiceArray) | In this method, return the sum of amount value of all the invoices created by a specific invoice creator (createdBy). |

1. Create a Main class to test the above classes.

**[Note:Strictly adhere to the object oriented specifications given as a part of the problem statement. Use the same class names, attribute names, and method names.]**

**Input format:**

For getting the invoice details get the details in the format **(CutomerName,state, country,totalAmount,status,createdBy)**separated by comma(,).

If there is no invoice available for a certain creator display a message as **“No invoive avialble”.**

**Output format:**

Customer details should be display in the format.

**System.out.format(“%-15s%-15s%-15s%”,“Name”,State”,“Country”):**

Round off the total invoice amount value with two decimal places.

**Note:[All rext in bold correspondsto input and rest corresponds to output.]**

**Sample Input and Output 1:**

Enter the number of invoices :

**4**

Enter the invoice 1 details :

**John,Tamilnadu,India,12500.50,Cleared,shankar**

Enter the invoice 2 details :

**Francis,Kerala,India,32500.00,Not cleared,Shankar**

Enter the invoice 3 details :

**Kishore,Punjab,India,45263.50,Cleared,Johnson**

Enter the invoice 4 details :

**Julie,Gujarat,Inia,52312.20,Not cleared,Williams**

Customer details with status cleared invoices:

Name State Country

John Tamilnadu India

Kishore Punjab India

Enter the invoice creator name:

**Shankar**

The total invoice value:

47700.50

**Sample Input and Output 2:**

Enter the number of invoices :

**4**

Enter the invoice 1 details :

**Raj,Sri nagar,India,52670.00,Not cleared,Ravi**

Enter the invoice 2 details :

**Emi,Kerala,India,52200.00,Not cleared, Shankar**

Enter the invoice 3 details :

**Julie,Mexico,USA,52000.69,Cleared,Williams**

Enter the invoice 4 details :

**Ram,Delhi,Inia,52312.20,Not cleared,Sasi**

Customer details with status cleared invoices:

Name State Country

Julie Mexico USA

Enter the invoice creator name:

**Viji**

The total invoice value:

No invoice available

**Don’ts :**

1. Do not create packages for classes. Strictly adhere to the program structure given in the template code .