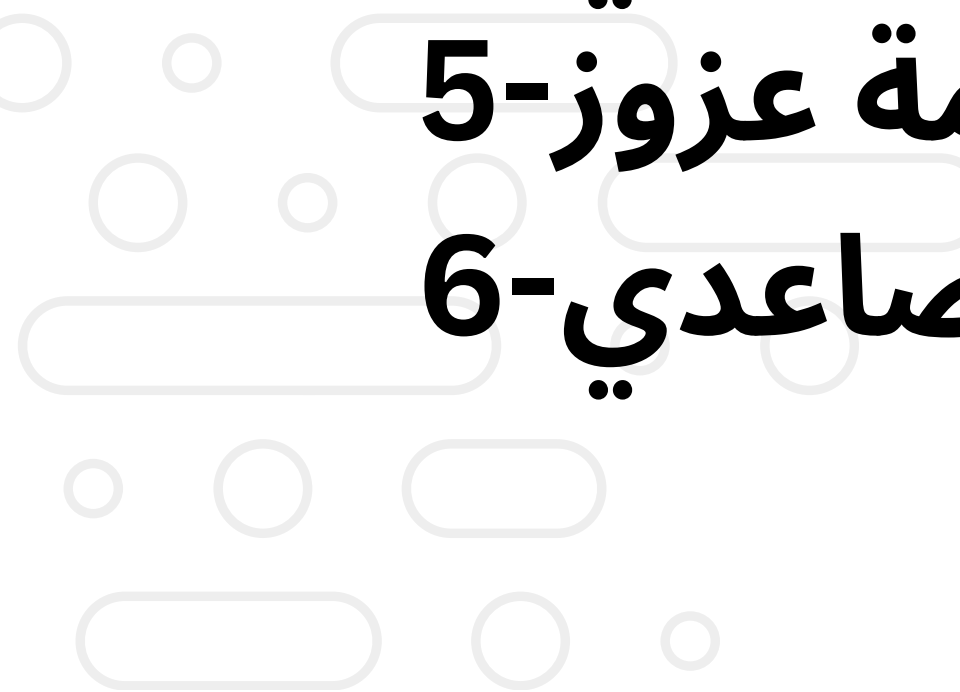



Raha company



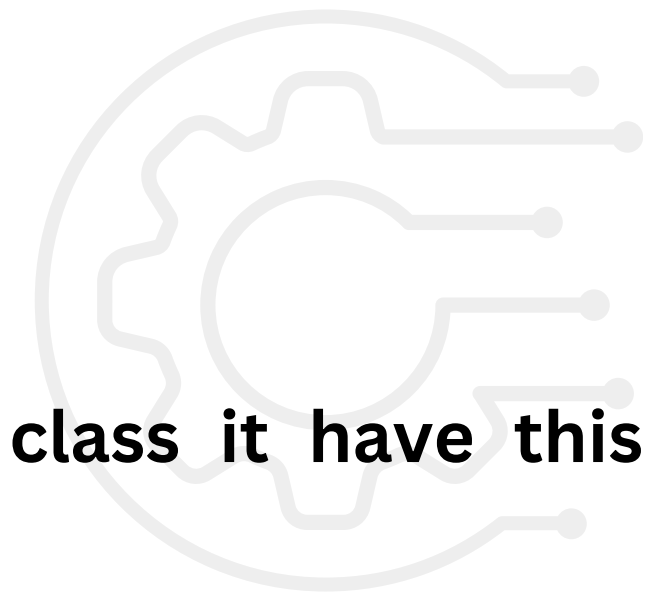
Group members:

- 1- فرح ابراهيم العتيبي
 - 2- ريم احمد الحربي
 - 3- ريماس عبد الستار ابوخليل
 - 4- اروي سلطان السلمي
 - 5- نجاة اسامة عزوز
 - 6- لمى بندر الصاعدي
- 
- 

Description of the project

Our project is about application system raha company for domestic maids. Firstly, we ask the user to either log in or create an account if they haven't already. Then, we provide them with a list of services, which are either hourly maids or resident maids. The user can choose one of them. Let's assume the user chooses an hourly maid. After that, they can select one of the available packages: a single visit or a monthly subscription. With the monthly subscription, the maid visits every week for six days. As for resident maids, there's a variety of subscription contracts available, allowing the user to freely choose the payment method, either in installments or full payment. There are two ways for the user to pay for their order: cash or credit card. The user's order will be stored in an external file, including the order invoice and all the necessary information

Class Maid



It provides the general characteristics of both ResidentMaid class and HourMaid class it have this attributes

1-int Nationality

2-int price

3-int Years_Experience

and a list that have all available

Nationality

private final String[] Nationality_list

with size 3

and have Default constructor Initializes nationality, price, and years of experience to 0.
and parametrized constructor also have all setter and getter for to access to attributes for
the methods it has FillPrint_Nationality_list to deal with fill and display all nationality
and toString to print the class.

Class ResidentMaid

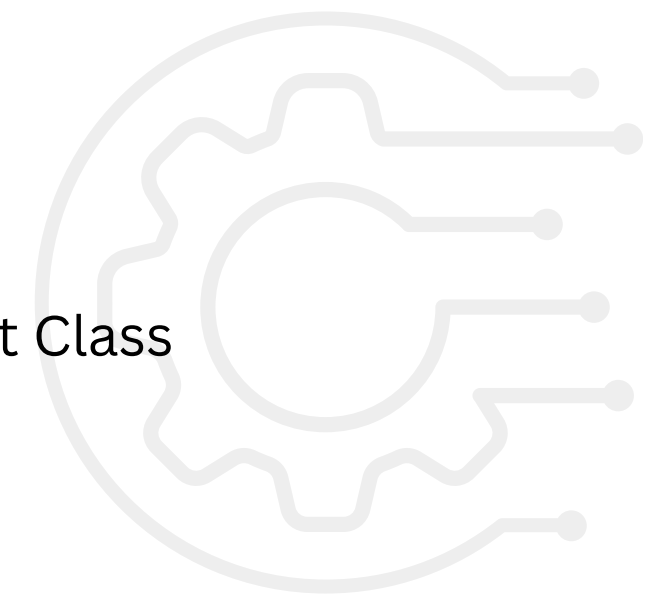


The ResidentMaid class allows the users to choose the duration of services and the pay type they prefer

Class UserInfo

It appears to the user when he opens the application, and he can choose to create a new account if he does not have a previous account and enter his information, such as his name, age, email, phone number, location, and password. If he has a previous account, he can log in using his email and password, and he can also log out if he wants when finished.

ClassCreditCard



CreditCard class that extend Payment Class to represents a credit card payment method and it extend Payment Class

1- instance variables:

creditCardNum: store the credit card number

cardHolderName: store the card holder name

cvv :store the cvv

2- The class has two constructors:

- The default constructor sets all instance variables to default values
- The parameterized constructor takes four arguments: credit card number, cardholder's name, CVV, and a price. and sets values

3- getter and setter methods for the instance variables

4-makePayment method: is overridden from the superclass Payment, prints a message indicating that a payment was made with the credit card number and the amount paid.

5- toString method :is overridden from the Object class. It returns a string representation of the CreditCard object

6-equals method :is overridden to compare two CreditCard objects for equality. It checks if the credit card number of the current object is equal to the credit card number of the object passed as a parameter.

Class Cash

Cash class that extends Payment class and represents a payment made in cash.

instance variable:

pricePaid: store the amount of cash paid

The class has two constructors:

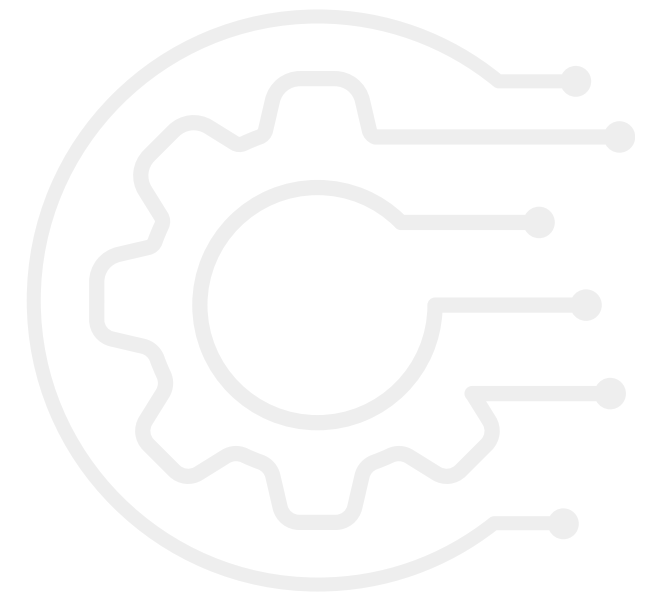
- The default constructor sets the pricePaid variable to 0.0
- The parameterized constructor takes two arguments: the amount of cash paid (pricePaid) and the total price of the service and sets these values

getter and setter methods for the pricePaid variable

The makePayment method:is overridden from the superclass Payment, calculates the remaining amount and prints a message indicating the amount paid, the service price, and the remaining amount.

toString method :is overridden from the Object class. It returns a string representation of the CreditCard object

equals method :is overridden to compare two Cash objects for equality. It checks if pricePaid of the current object is equal to the pricePaid of the object passed as a parameter.



Class Payment



CreditCard class that extend Payment Class to represents a credit card payment method and it extend Payment Class

1- instance variables:

creditCardNum: store the credit card number

cardHolderName: store the card holder name

cvv :store the cvv

2- The class has two constructors:

- The default constructor sets all instance variables to default values
- The parameterized constructor takes four arguments: credit card number, cardholder's name, CVV, and a price. and sets values

3- getter and setter methods for the instance variables

4-makePayment method: is overridden from the superclass Payment, prints a message indicating that a payment was made with the credit card number and the amount paid.

5- toString method :is overridden from the Object class. It returns a string representation of the CreditCard object

6-equals method :is overridden to compare two CreditCard objects for equality. It checks if the credit card number of the current object is equal to the credit card number of the object passed as a parameter.

Class HourMaid



The HourMaid class extends the Maid class. It has the following attributes:

1-String Duration

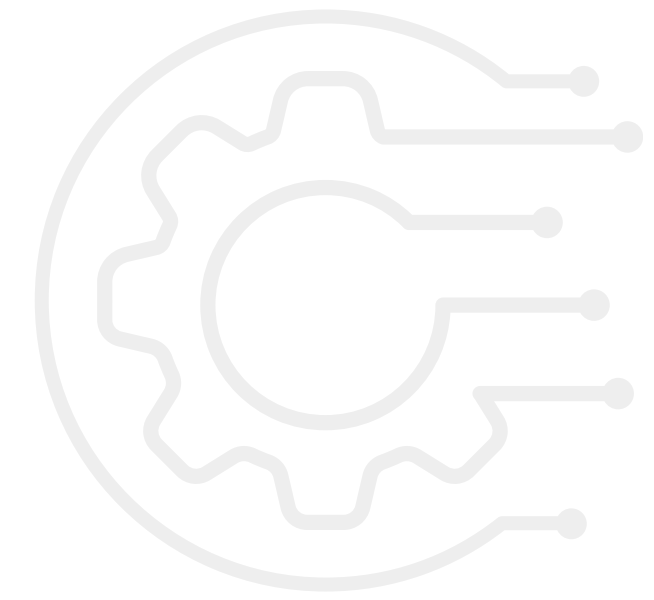
2-String Package

3-String[] hourlyservice

4-String[] vist_duration

The class has two constructors: a default constructor and a parameterized constructor. It also includes setter and getter methods for the Duration and Package attributes. Additionally, it provides methods to display all available durations and hourly services. Finally, it overrides the toString method to print the class information.

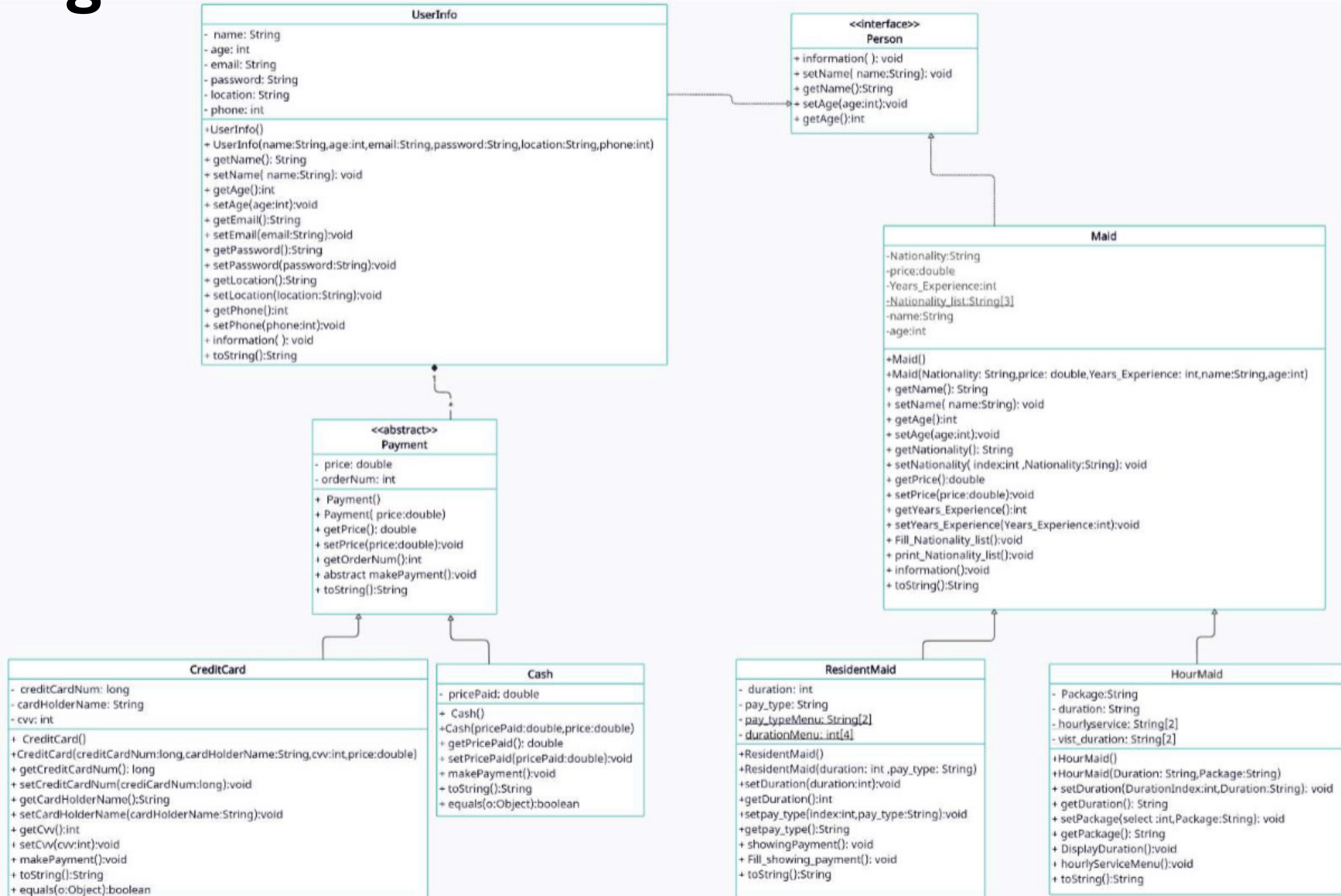
Person interface



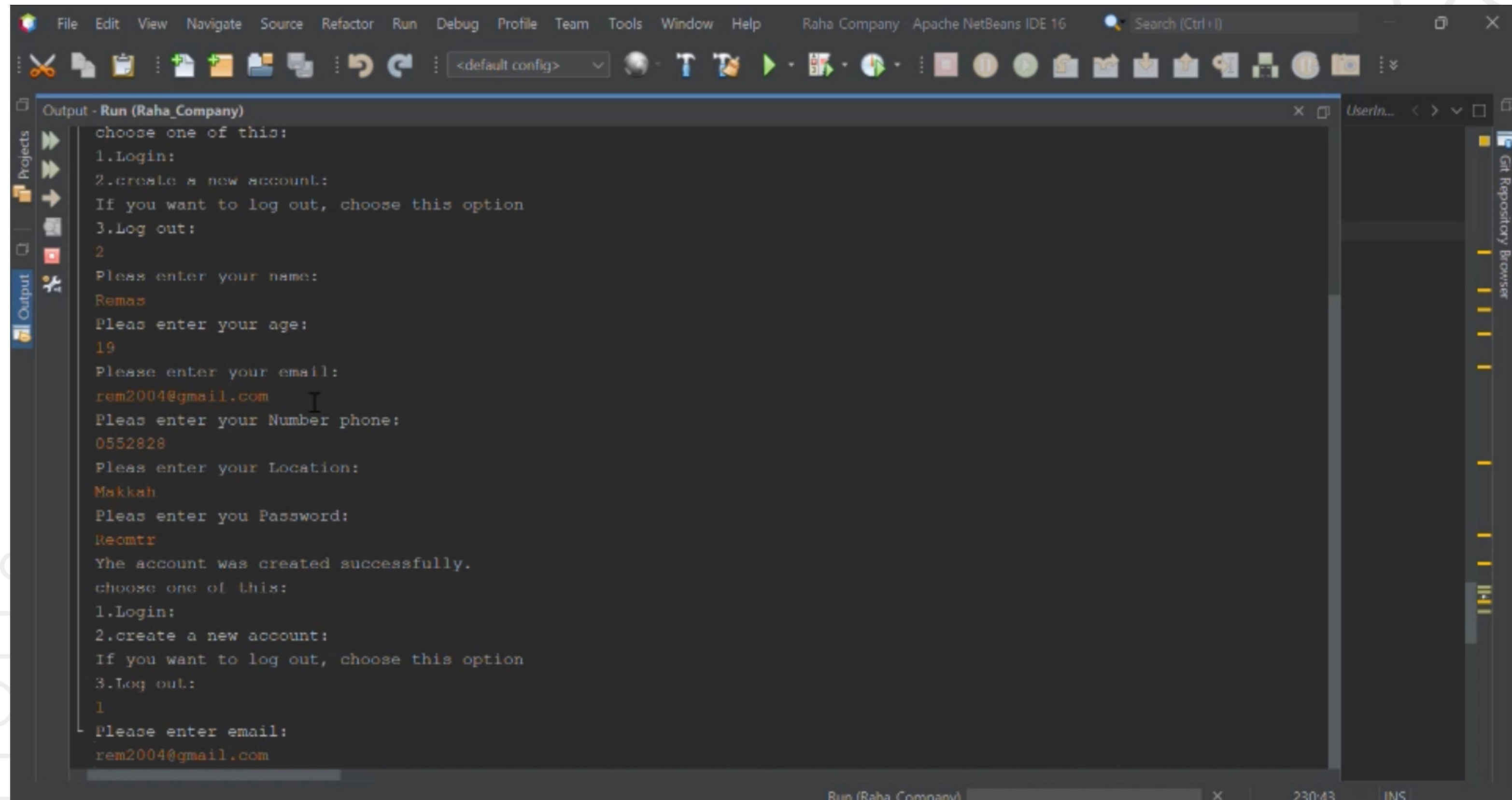
It contains 3 abstract methods set and gate name and set and age and one more Information its for print just geneal information for security , each of thia methods has a specific functionality process in the classes that implemented by it Maid and UserInfo.



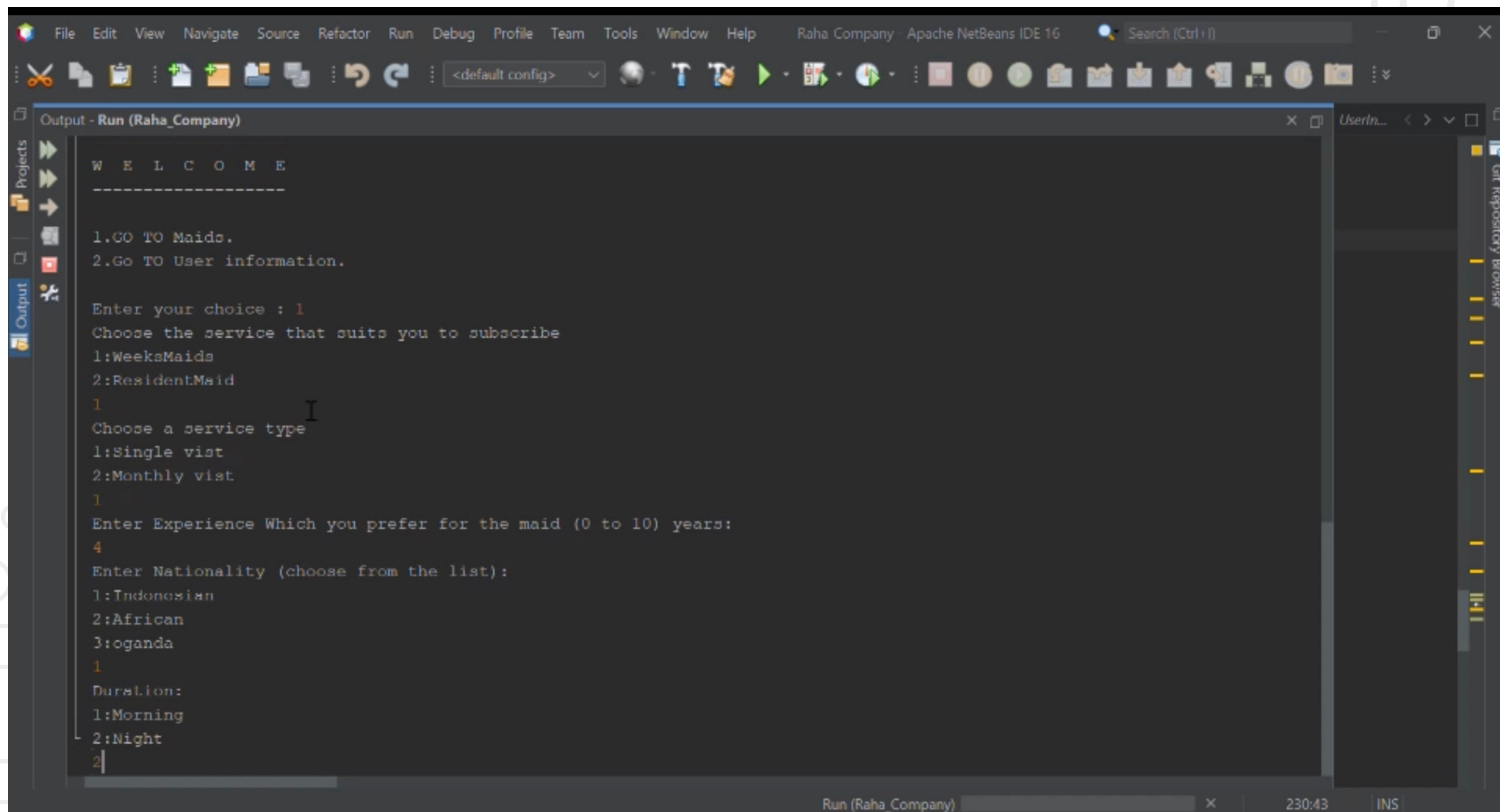
Class diagrams



The user here created an account and logged in and chose to go to Maid and chose a WeekMaid service of the type of single visit and with four years of experience of Indonesian nationality she comes at night on Monday. The value of the service appeared to her and she chose to pay by credit card and it was printed for her a message was paid from the credit card



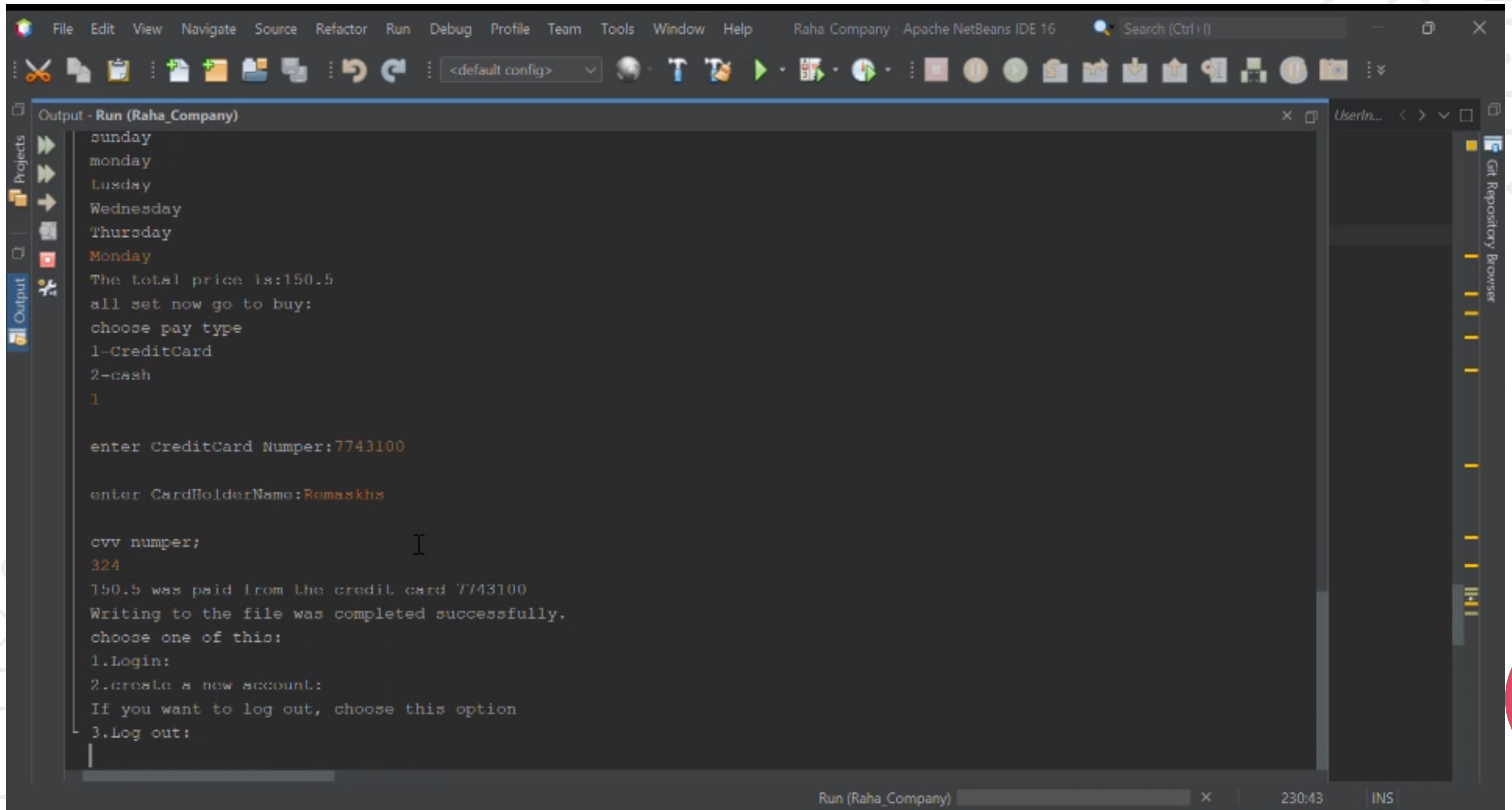
```
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Raha Company Apache NetBeans IDE 16 Search (Ctrl+I)
... [Icons] ... <default config> [Icons] ...
Output - Run (Raha_Company)
choose one of this:
1.Login:
2.create a new account:
If you want to log out, choose this option
3.Log out:
2
Please enter your name:
Remas
Please enter your age:
19
Please enter your email:
rem2004@gmail.com
Please enter your Number phone:
0552828
Please enter your Location:
Makkah
Please enter you Password:
Reomtr
The account was created successfully.
choose one of this:
1.Login:
2.create a new account:
If you want to log out, choose this option
3.Log out:
1
Please enter email:
rem2004@gmail.com
UserIn... < > v [Icons]
Git Repository Browser
Run (Raha_Company) x 230:43 INS
```

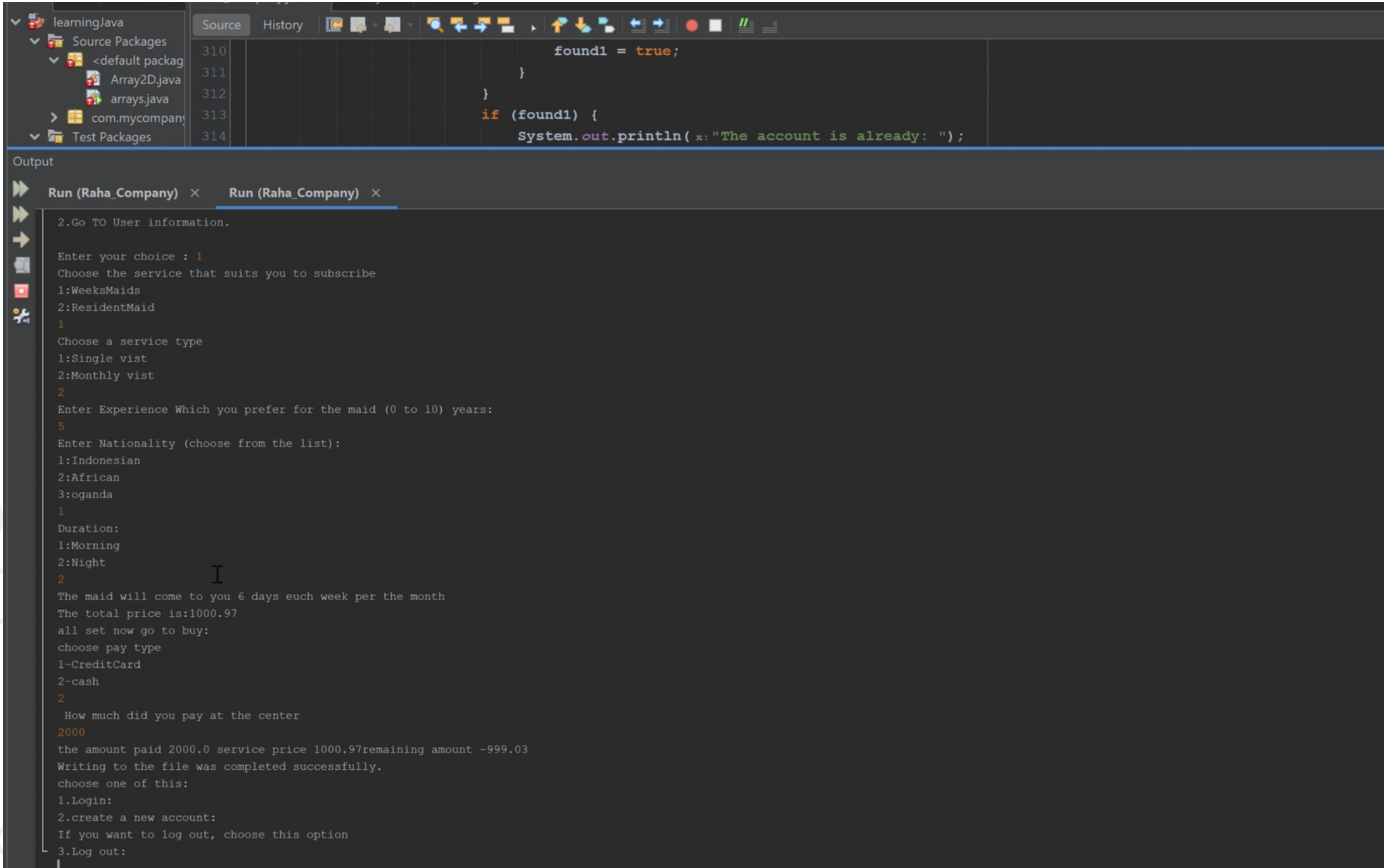
```
W E L C O M E
-----

1.GO TO Maids.
2.Go TO User information.

Enter your choice : 1
Choose the service that suits you to subscribe
1:WeeksMaids
2:ResidentMaid
1
Choose a service type
1:Single vist
2:Monthly vist
1
Enter Experience Which you prefer for the maid (0 to 10) years:
4
Enter Nationality (choose from the list):
1:Indonesian
2:African
3:oganda
1
Duration:
1:Morning
2:Night
2
```




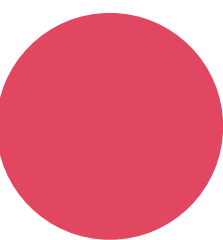
Here she chose a WeekMaid service of the type of monthly visit, with five years of experience, of Indonesian nationality, she comes at night, 6 days a week per the month. The value of the service appeared to her and she made the choice to pay in cash. She paid an amount and the rest was returned to her.





The screenshot shows an IDE with a Java project named 'learningJava'. The source code is in a file named 'arrays.java' under the package 'com.mycompany'. The code includes a loop that iterates over an array, and an 'if' statement that checks if an account is already found. The output window shows the execution of the program, which prompts the user to enter various details for a service, including choice, experience, nationality, duration, and payment type. The output also displays the calculated total price and the remaining amount after payment.

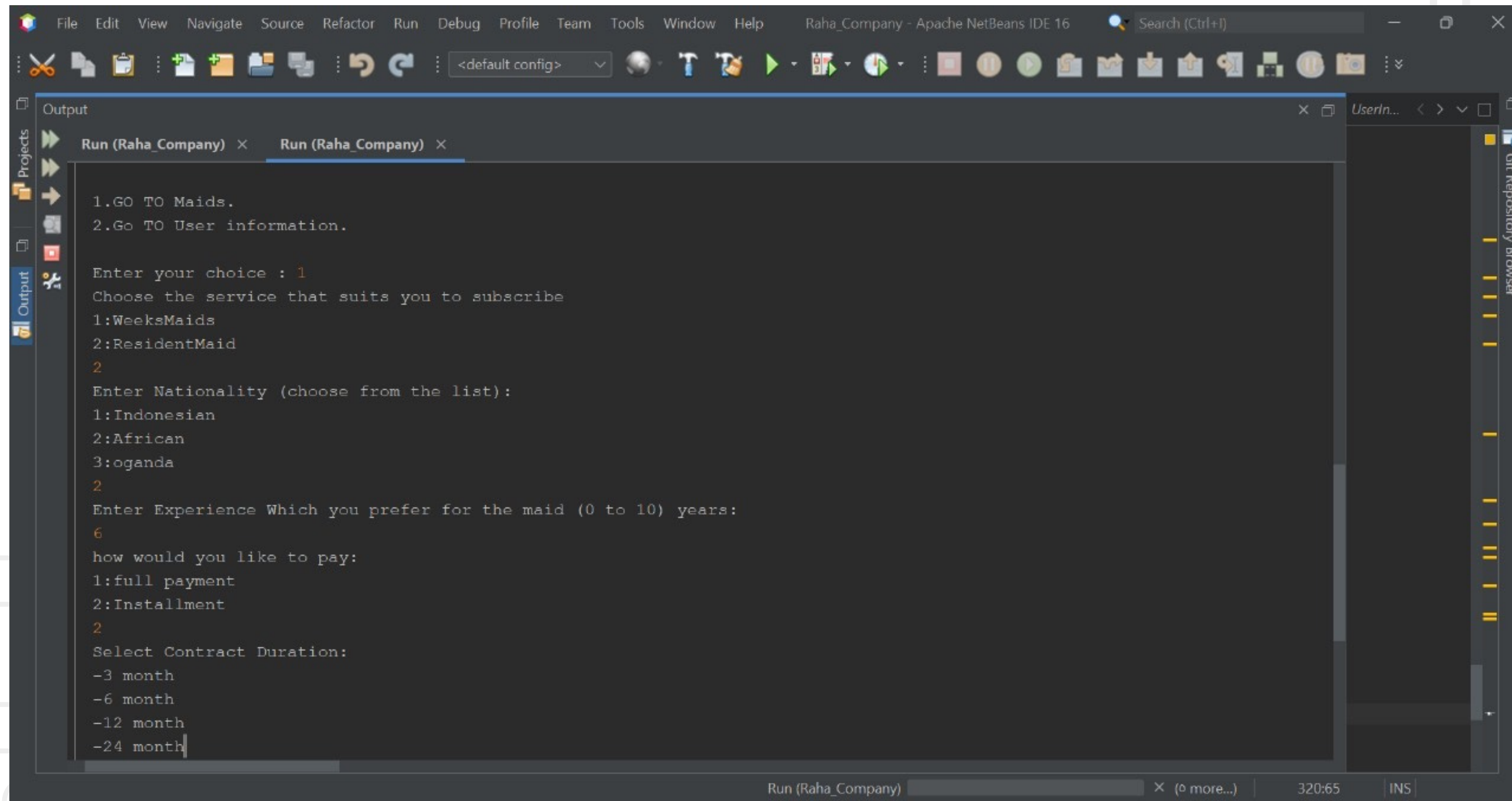
```
Source History
310 found1 = true;
311 }
312 }
313 if (found1) {
314     System.out.println( x: "The account is already: ");

Output
Run (Raha_Company) x Run (Raha_Company) x
2.Go TO User information.
Enter your choice : 1
Choose the service that suits you to subscribe
1:WeeksMaids
2:ResidentMaid
1
Choose a service type
1:Single vist
2:Monthly vist
2
Enter Experience Which you prefer for the maid (0 to 10) years:
5
Enter Nationality (choose from the list):
1:Indonesian
2:African
3:oganda
1
Duration:
1:Morning
2:Night
2
The maid will come to you 6 days each week per the month
The total price is:1000.97
all set now go to buy:
choose pay type
1-CreditCard
2-cash
2
How much did you pay at the center
2000
the amount paid 2000.0 service price 1000.97remaining amount -999.03
Writing to the file was completed successfully.
choose one of this:
1.Login:
2.create a new account:
If you want to log out, choose this option
3.Log out:
```

Here she chose the service of a resident maid of Indonesian nationality with six years of experience. She chose payment Installment, chose the service for a period of 6 months. The value of the service appeared to her and she chose payment in cash. She paid an amount and She received a message about how much she paid and how much remains to be paid.

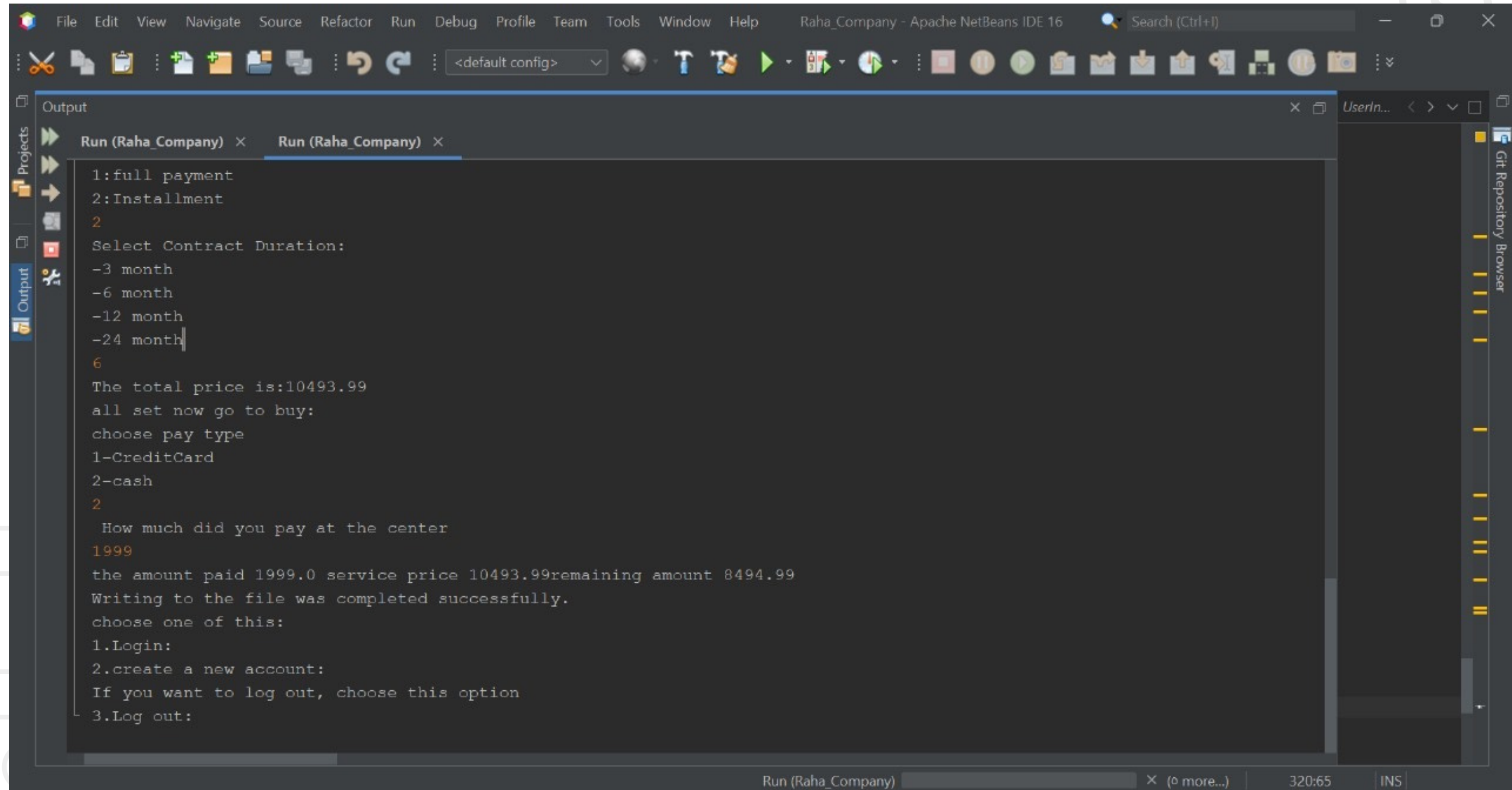




```
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Raha_Company - Apache NetBeans IDE 16 Search (Ctrl+I)
<default config>
Output
Run (Raha_Company) x Run (Raha_Company) x
1.GO TO Maids.
2.Go TO User information.

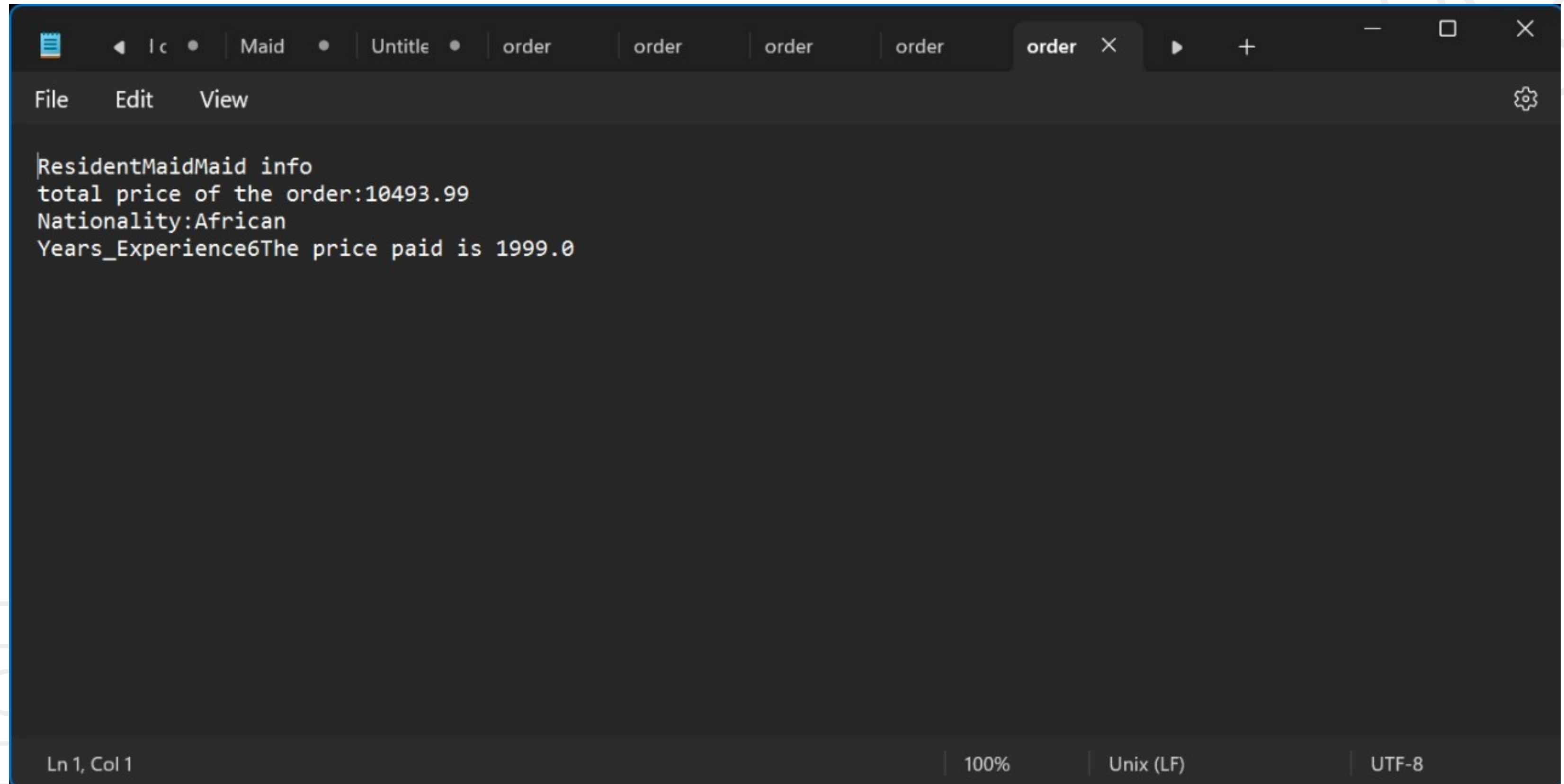
Enter your choice : 1
Choose the service that suits you to subscribe
1:WeeksMaids
2:ResidentMaid
2
Enter Nationality (choose from the list):
1:Indonesian
2:African
3:oganda
2
Enter Experience Which you prefer for the maid (0 to 10) years:
6
how would you like to pay:
1:full payment
2:Installment
2
Select Contract Duration:
-3 month
-6 month
-12 month
-24 month
```

Run (Raha_Company) x (0 more...) 320:65 INS



```
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Raha_Company - Apache NetBeans IDE 16 Search (Ctrl+I)
<default config>
Output
Run (Raha_Company) x Run (Raha_Company) x
1:full payment
2:Installment
2
Select Contract Duration:
-3 month
-6 month
-12 month
-24 month
6
The total price is:10493.99
all set now go to buy:
choose pay type
1-CreditCard
2-cash
2
How much did you pay at the center
1999
the amount paid 1999.0 service price 10493.99remaining amount 8494.99
Writing to the file was completed successfully.
choose one of this:
1.Login:
2.create a new account:
If you want to log out, choose this option
3.Log out:
```

Sample picture of the file read

A screenshot of a code editor window with a dark theme. The window has a title bar with several tabs, the last of which is 'order'. The menu bar includes 'File', 'Edit', and 'View'. The main text area contains the following text:

```
ResidentMaidMaid info  
total price of the order:10493.99  
Nationality:African  
Years_Experience6The price paid is 1999.0
```

The status bar at the bottom shows 'Ln 1, Col 1', '100%', 'Unix (LF)', and 'UTF-8'. There are decorative elements in the background: a red circle in the top-left, a grey gear and circuit diagram in the top-right, and a red circle in the bottom-right.

THANK YOU