

User Entity

Create a class named User with the following attributes

name of type String

mobileNumber of type String

email of type String

address of type Address

creditCardNumber of type String

Include appropriate getters, setters and constructors.

Include methods to

1. Search for user details using mobile number. If no records exist, print "No records found".
2. Search for user details using mobile number and then change the email id of the above user to new id provided. If no records exist, print "No records found".
3. List the names of users in which the given string is a substring. List the users sorted in alphabetical order. If no records exist, print "No records found".
4. List the names of users from a particular district. List the users sorted in alphabetical order. If no records exist, print "No records found".

Write a main method to test the above class.

Input and Output Format:

Refer sample input and output.

All text in bold corresponds to input and the rest corresponds to output.

Sample Input and Output:

Enter the number of user details to be inserted

2

Enter details of user 1

Enter name

Ram

Enter mobile number

9987612345

Enter email address

ram.am@amphisoft.in

Enter address details

Enter door number

2

Enter street name

LMC

Enter city name

Ooty

Enter district name

Nilgiris

Enter state name

Tamilnadu

Enter pin code

641044

Enter credit card number

FG5423

Enter details of user 2

Enter name

Sita

Enter mobile number

9237668345

Enter email address
sita.am@amphisoft.in

Enter address details

Enter door number

2

Enter street name

Red Cross

Enter city name

Sathyamangalam

Enter district name

Erode

Enter state name

Tamilnadu

Enter pin code

641354

Enter credit card number

AG1234

Menu

1) Search for user details using mobile number.

2) Search for user details using mobile number and then change the email id of the above user to new id provided.

3) List the names of users in which the given string is a substring.

4) List the names of users from a particular district.

Any other choice : Exit

Enter your choice

1

Enter the mobile number

9894049708

No records found

Enter your choice

1

Enter the mobile number

9237668345

User Details:

Name : Sita

Email : sita.am@amphisoft.in

Credit Card Number : AG1234

Enter your choice

2

Enter the mobile number

9237668345

Enter the new email id

sita.amph@amphisoft.in

Enter your choice

1

Enter the mobile number

9237668345

User Details:

Name : Sita

Email : sita.amph@amphisoft.in

Credit Card Number : AG1234

Enter your choice

3

Enter the substring

ta

List of user names that contain the substring ta

Sita

Enter your choice

4

Enter the district name

Nilgiris

List of users from Nilgiris

Ram

Enter your choice

5

Application Terminated