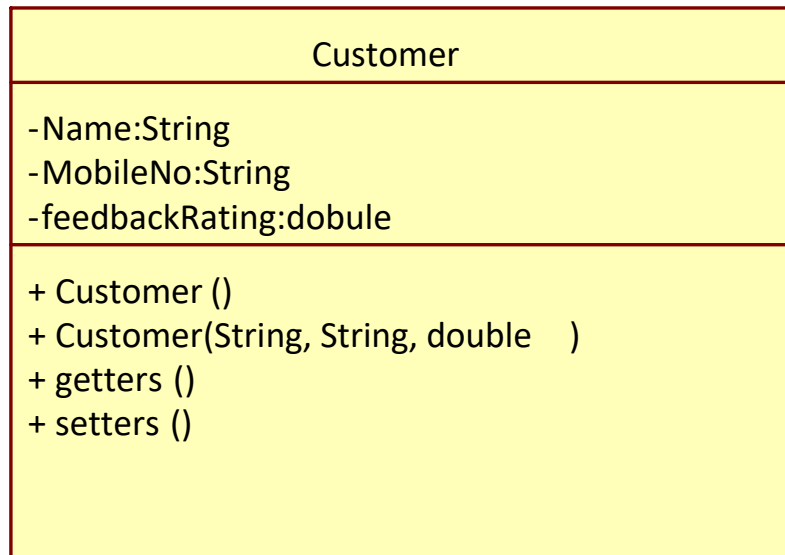




Design and implement applications using basic OOP paradigms.

A coffee shop would like to find out the customer feedback rating about its services. The customer class shown below:



Example: Assume that the shop will collect feedback from 'N' customers. Following are the sample customer feedback values.

Customer 1: 3 out of 5

Customer 2: 4 out of 5

Customer 3: 2.5 out of 5

Write an application which creates array of 'N' customer objects to store feedback values of these



```
package oops;

import java.util.Scanner;

public class FeedbackRating {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner input = new Scanner(System.in);
        System.out.print("Enter the number of customer : ");
        int n = input.nextInt();
        Customer[] customers = new Customer[n];

        initializeObjects(customers);
        setFeedback(customers);
        getFeedback(customers);

        input.close();
    }

    public static void initializeObjects(Customer[] customers) {
        for(int i = 0; i < customers.length; i++) {
            customers[i] = new Customer();
        }
    }

    public static void setFeedback(Customer[] customers) {

        Scanner input = new Scanner(System.in);
        for(int i = 0; i < customers.length; i++) {
            System.out.println("Enter the customer name: ");
            String name = input.next();
            System.out.println("Enter the customer mobile number: ");
            String mobileNo = input.next();
            System.out.println("Enter the customer feedback rating out of 5:");

            double feedbackRating = input.nextDouble();

            customers[i].setName(name);
            customers[i].setMobileNo(mobileNo);
            customers[i].setFeedbackRating(feedbackRating);
        }
        input.close();
    }

    public static void getFeedback(Customer[] customers) {

        for(int i = 0; i < customers.length; i++) {
            System.out.println("Customer " + (i+1) + " : " +
            customers[i].getFeedbackRating() +" out of 5");
        }
    }
}
```



```
}  
  
class Customer {  
    private String name;  
    private String mobileNo;  
    private double feedbackRating;  
  
    public String getName() {  
        return name;  
    }  
  
    public void setName(String name) {  
        this.name = name;  
    }  
    public String getMobileNo() {  
        return mobileNo;  
    }  
  
    public void setMobileNo(String mobileNo) {  
        this.mobileNo = mobileNo;  
    }  
  
    public double getFeedbackRating() {  
        return feedbackRating;  
    }  
  
    public void setFeedbackRating(double feedbackRating) {  
        this.feedbackRating = feedbackRating;  
    }  
  
    public Customer() {  
        this.name = "Not yet initialized";  
        this.mobileNo = "Not yet initialized";  
        this.feedbackRating = 0;  
    }  
  
    public Customer(String name, String mobileNo, double feedbackRating) {  
        this.name = name;  
        this.mobileNo = mobileNo;  
        this.feedbackRating = feedbackRating;  
    }  
  
}
```

output:

```
Enter the number of customer : 3  
Enter the customer name:  
arun  
Enter the customer mobile number:  
1234567890  
Enter the customer feedback rating out of 5:  
2.6
```



Enter the customer name:

anil

Enter the customer mobile number:

0123456789

Enter the customer feedback rating out of 5:

4

Enter the customer name:

akhil

Enter the customer mobile number:

0989765421

Enter the customer feedback rating out of 5:

5

Customer 1 : 2.6 out of 5

Customer 2 : 4.0 out of 5

Customer 3 : 5.0 out of 5