

Assignment 3:

1) Customer feedback problem:

Source Code:

```
import java.util.Scanner;
import java.util.ArrayList;
public class Customer {
    private String name;
    private String mobileNo;
    private double feedbackRating;

    public Customer(String name, String mobileNo, double feedbackRating){
        this.name = name;
        this.mobileNo = mobileNo;
        this.feedbackRating = 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 static void main(String[] args){
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the number of customers: ");
        int N = sc.nextInt();

        ArrayList<Customer> customers = new ArrayList<>(N);
        for(int i = 0; i < N; i++)
        {
            System.out.print("Enter name: ");
            String name = sc.next();
            System.out.print("Enter mobile no: ");
            String mobile = sc.next();
            System.out.print("Enter feedback rating: ");
            double rating = sc.nextDouble();
            Customer c1 = new Customer(name, mobile, rating);
            customers.add(c1);
        }
    }
}
```

```
        sc.close();
        for(Customer c: customers){
            System.out.println(c.getName()+" : "+ c.getFeedbackRating()+" out of 5");
        }
    }
}
```

Output:

Enter the number of customers:

2

Enter name: Akshit

Enter mobile no: 9465675515

Enter feedback rating: 4.6

Enter name: Amisha

Enter mobile no: 9876543211

Enter feedback rating: 4

Akshit: 4.6 out of 5

Amisha: 4.0 out of 5