

Main.java

```
1 //2017.Final
2
3 import java.io.BufferedReader;
9
10 public class Main {
11     public static void main(String[] args) {
12         List<Customer> customers = new ArrayList<Customer>();
13
14         // This is all for Question 1 d
15         try (BufferedReader br = new BufferedReader(new FileReader("1.txt"))) {
16             String line = br.readLine();
17             while (line != null) {
18                 Scanner l = new Scanner(line);
19                 int id = l.nextInt();
20                 int cred = l.nextInt();
21                 String name = l.nextLine();
22                 l.close();
23                 Customer c = new Customer(id, cred, name.trim());
24                 customers.add(c);
25                 line = br.readLine();
26             }
27
28             } catch (IOException e) {
29                 e.printStackTrace();
30             }
31
32             for (Customer c : customers) {
33                 System.out.println(c);
34             }
35             // This is all for question 2 c
36             List<Movie> movies = new ArrayList<Movie>();
37
38             try (BufferedReader br = new BufferedReader(new FileReader("2.txt"))) {
39                 String line = br.readLine();
40                 while (line != null) {
41                     Scanner l = new Scanner(line);
42                     int id = l.nextInt();
43                     int cred = l.nextInt();
44                     String name = l.nextLine();
45                     l.close();
46                     Movie m = new Movie(id, cred, name.trim());
47                     movies.add(m);
48                     line = br.readLine();
49                 }
50             } catch (IOException e) {
51                 e.printStackTrace();
52             }
53
54             for (Movie m : movies) {
55                 System.out.println(m);
56             }
57
58             // This is all for question 3 f
59             RentalService rs = new RentalService();
60             for (Movie m : movies) {
61                 rs.addMovie(m);
62             }
63             for (Customer c : customers) {
64                 rs.addCustomer(c);
65             }
66             try (BufferedReader br = new BufferedReader(new FileReader("3.txt"))) {
67                 String line = br.readLine();
```

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```
68         while (line != null) {
69             Scanner l = new Scanner(line);
70             int Cid = l.nextInt();
71             int Mid = l.nextInt();
72             l.close();
73             rs.rentMovie(Cid, Mid);
74             line = br.readLine();
75         }
76     } catch (IOException e) {
77     }
78 }
79 }
80 }
81 }
```