

```

1 public class Rental {
2
3     public static final int DEFAULT_CUSTOMER_ID = 0000;
4     public static final int DEFAULT_DAYS_LATE = 0;
5
6     private Movie rented;
7     private int customerID;
8     private int daysLate;
9
10    public Rental() {
11
12        this.rented = new Movie();
13        this.customerID = DEFAULT_CUSTOMER_ID;
14        this.daysLate = DEFAULT_DAYS_LATE;
15    }
16
17    public Rental(Movie toRent, int customerID, int daysLate) {
18
19        this.rented = toRent.copyFilm(); //deep copy
20        this.customerID = customerID;
21        this.daysLate = daysLate;
22    }
23
24    public String toString() {
25
26        return "Rental Movie: " + this.rented + "\nDays Late: " + this.getDaysLate() + "\nCustomer ID: " + this.customerID;
27    }
28
29    public void setDaysLate(int daysLate) {
30
31        this.daysLate = daysLate;
32    }
33
34    public void setCustomerID(int customerID) {
35
36        this.customerID = customerID;
37    }
38
39    public void setMovie(Object rented) {
40
41        Movie toRent = (Movie) rented;
42        this.rented = toRent;
43    }
44
45    public int getDaysLate() {
46
47        return this.daysLate;
48    }
49
50    public int getCustomerID() {
51
52        return this.customerID;
53    }
54
55    public Movie getMovie() {
56
57        return this.rented.copyFilm();
58    }
59
60    public double calcRentalLateFee() {
61
62        return this.getMovie().calcLateFees(this.getDaysLate());
63    }
64
65 }
66
67 public static double lateFeesOwed(Rental[] toCalc) {
68
69     double totalLateFee;
70     totalLateFee = 0.00;
71
72     for (int i = 0; i < toCalc.length; i++) {
73
74         if (toCalc[i].getDaysLate() > 0) {
75
76             totalLateFee = totalLateFee + toCalc[i].calcRentalLateFee();
77         }
78     }
79
80     return totalLateFee;
81 }
82
83 }
84
85 }

```