```
1
    * TicketMachine models a naive ticket machine that issues
    * flat-fare tickets.
    * The price of a ticket is specified via the constructor.
    * It is a naive machine in the sense that it trusts its users
    * to insert enough money before trying to print a ticket.
    * It also assumes that users enter sensible amounts.
    * @author David J. Barnes and Michael KATlling
9
    * @version 2011.07.31
10
11
12
    * Modified by Artem Los
    * artem@artemlos.net
13
    * /
14
   public class TicketMachine
15
16
17
       // The price of a ticket from this machine.ticketMal
       private int price;
18
       // The amount of money entered by a customer so far.
19
       private int balance;
20
       // The total amount of money collected by this machine.
21
       private int total;
22
23
24
25
        * creates a machine with a default price of 4711.
26
27
       public TicketMachine()
29
        {
           price = 4711;
30
31
       }
32
33
34
        * Create a machine that issues tickets of the given price.
35
        * Note that the price must be greater than zero, and there
36
37
        * are no checks to ensure this.
        */
38
       public TicketMachine(int cost)
40
41
            price = cost;
42
           balance = 0;
            total = 0;
43
       }
44
45
        /**
46
47
        * clearing total
        * this method is an mutator since it
48
        * alters a variable.
49
```

```
*/
50
        public void empty()
51
52
            total = 0;
53
        }
54
56
        /**
57
         * Sets a new price for the tickets.
58
59
        public void setPrice(int newPrice)
60
61
            price = newPrice;
62
63
        }
64
65
         * Return the price of a ticket.
67
        public int getPrice()
68
69
            return price;
70
71
        }
72
73
         * Return the amount of money already inserted for the
74
         * next ticket.
75
76
        public int getBalance()
77
78
        {
79
            return balance;
80
        }
81
82
        * Receive an amount of money from a customer.
83
84
        public void insertMoney(int amount)
85
86
            balance = balance + amount;
87
        }
89
        /**
90
91
         * Print a ticket.
         * Update the total collected and
92
         * reduce the balance to zero.
93
         */
94
        public void printTicket()
95
96
            // Simulate the printing of a ticket.
97
            System.out.println("#############");
98
```

```
Class TicketMachine - naive-ticket-machine (continued)
                                                                             3/3
            System.out.println("# The BlueJ Line");
            System.out.println("# Ticket");
100
101
            System.out.println("# " + price + " cents.");
            System.out.println("#############");
102
            System.out.println();
103
104
            // Update the total collected with the balance.
105
            total = total + balance;
106
            // Clear the balance.
107
108
           balance = 0;
       }
109
110
       public int getTotal()
111
112
113
            return total;
114
115
116
```