

```
1  //import java.math.BigDecimal;
2  import java.lang.Math;
3
4  public class VendingMachine {
5
6      private double balance;
7      private double drinkCost;
8
9      public VendingMachine() {}
10
11     public double drinkCost(int choice)
12     {
13         switch(choice)
14         {
15             case 1: this.drinkCost = 3.00;
16                     break;
17             case 2: this.drinkCost = 1.00;
18                     break;
19             case 3: this.drinkCost = 5.00;
20                     break;
21         }
22         //System.out.println(this.drinkCost);
23         return this.drinkCost;
24     }
25
26     public double balance() {
27         return this.balance;
28     }
29
30
31     public void insertCoins(double coinVal)
32     {
33
34         Math.round(this.balance += coinVal);
35         System.out.println("\nCurrent Amount: \n"+this.balance);
36     }
37
38     public double checkChange()
39     {
40         double change = Math.round(this.drinkCost - this.balance);
41
42         if(change > 0)
43         {
44             return change;
45         }
46         else if(change < 0)
47         {
48             return Math.abs(change);
49         }
50         else
51             return 0;
52     }
53
54     public void printReceipt()
55     {
56         System.out.println("Change: "+this.checkChange());
57     }
58
59 }
60
```