

GroceryDiscountClass.java

```
1 package groceryDiscount;
2
3 import java.util.Scanner;
4 import java.text.NumberFormat;
5
6 public class GroceryDiscountClass {
7
8     public static void main(String[] args) {
9         // TODO Auto-generated method stub
10
11         Scanner input = new Scanner(System.in);
12         NumberFormat currency = NumberFormat.getCurrencyInstance();
13
14         //Variables for grocery discount
15         double amountSpentAtStore = 0;
16
17         double couponWorth = 0;
18
19         double totalAfterCoupon = 0;
20
21         final double lessThanTen = 0.00;
22
23         final double betweenTenAndSixty = 0.08;
24
25         final double betweenSixtyOneAndOneHundredAndFifty = 0.10;
26
27         final double betweenOneHundredAndFiftyOneAndTwoHundredAndTen = 0.12;
28
29         final double overTwoHundredAndTen = 0.14;
30
31         //the inputs from user
32         System.out.print("Enter the cost of your groceries in dollars: ");
33         amountSpentAtStore = input.nextDouble();
34
35         //calculations
36         if (amountSpentAtStore < 10 && amountSpentAtStore >= 0)
37         {
38             couponWorth = lessThanTen * amountSpentAtStore;
39             System.out.printf("You were awarded a discount of ", currency.format(couponWorth),
40 "(0% of your total purchase)");
41         }
42         else if (amountSpentAtStore >= 10 && amountSpentAtStore <= 60)
43         {
44             couponWorth = betweenTenAndSixty * amountSpentAtStore;
45             System.out.printf("You were awarded a discount of ", currency.format(couponWorth),
46 "(10% of your total purchase)");
47         }
48         else if (amountSpentAtStore >= 60 && amountSpentAtStore <= 150)
49         {
50             couponWorth = betweenSixtyOneAndOneHundredAndFifty * amountSpentAtStore;
51         }
52         else if (amountSpentAtStore >= 150 && amountSpentAtStore <= 210)
53         {
54             couponWorth = betweenOneHundredAndFiftyOneAndTwoHundredAndTen * amountSpentAtStore;
55         }
56         else if (amountSpentAtStore > 210)
```

GroceryDiscountClass.java

```
56     {
57         couponWorth = overTwoHundredAndTen* amountSpentAtStore;
58     }
59     else
60     {
61         System.out.println("Please enter your total bill between $0.00 or more: ");
62     }
63
64     System.out.printf("the coupon amount: %f ", couponWorth);
65
66 }
67
68 }
69
```