

File Name : Item.java

```
public class Item{
    String id;
    String name;
    double maximumRetailPrice;
    float discountPercentage;
    double discountPrice;
    int quantity;
    String manufactureDate;
    String expiryDate;
    double totalPrice;

    void calculateDiscountPrice(){
        discountPrice = maximumRetailPrice * (discountPercentage / 100.0);
        totalPrice = quantity * (maximumRetailPrice - discountPrice);
    }
    void print(){
        System.out.printf("%-30s:%-10s\n","Item Id",id);
        System.out.printf("%-30s:%-10s\n","Product Name",name);
        System.out.printf("%-30s:%-10.2f\n","Maximum Price",maximumRetailPrice);
        System.out.printf("%-30s:%-10d\n","Quantity",quantity);
        System.out.printf("%-30s:%-10s\n","Manufacturing Date",manufactureDate);
        System.out.printf("%-30s:%-10s\n","Expiry Date",expiryDate);
        System.out.printf("%-30s:%-10.2f\n","Discount Percentage",discountPercentage);
        System.out.printf("%-30s:Rs. %-10.2f\n","Discount Price",discountPrice);
        System.out.printf("%-30s:Rs. %-10.2f\n","Total Price",totalPrice);
    }
}
```

File Name : Solution.java

```
public class Solution{
    public static void main(String[] args) {
        Item item1;
        item1 = new Item();
        item1.id = "P01";
        item1.name = "soap";
        item1.maximumRetailPrice = 75.00;
        item1.discountPercentage = 10.0f;
        item1.quantity = 10;
        item1.manufactureDate = "24-06-2016";
        item1.expiryDate = "24-06-2018";
        item1.calculateDiscountPrice();
        item1.print();
    }
}
```