NAME:E.B.SUWATHI[15L247]

ECE-B

JAVA ASSIGNMENT DAY3

Item.java

```java
public class Item {
    String id;
    String name;
    String manufactureDate;
    String expiryDate;
    double maxRetailPrice;
    double discountPrice;
    float discountPercent;
    double netPrice;
    int quantity;
    void calculateDiscountPrice() {

        discountPrice = ( maxRetailPrice * quantity ) - ((maxRetailPrice *
discountPercent ) / 100);
        }
    void print() {
        System.out.printf("\nITEM ID"+"%30s",id);
        System.out.printf("\nITEM NAME"+"%32s",name);
        System.out.printf("\nITEM QUANTITY"+"%20s",quantity);
        System.out.printf("\nITEM MFD DATE"+"%29s",manufactureDate);
        System.out.printf("\nITEM EXPIRY DATE"+"%26s",expiryDate);
        System.out.printf("\nITEM MAX RETAIL PRICE"+"%20s",("Rs.
"+maxRetailPrice));
         System.out.printf("\nDISCOUNT PERCENT"+"%21s",discountPercent+"%");
        System.out.printf("\nDISCOUNT PRICE"+"%37s",("RS."+discountPrice));
    }

}
```

Solution.java

```java
public class Solution {
    public static void main(String[] args) {
        Item item1;
        item1 = new Item();
        System.out.println("\n        ********* ITEM1  DETAILS ********");
        item1.id = "12398";
        item1.name = "chocolate";
        item1.manufactureDate = "04-05-2016";
        item1.expiryDate = "01-06-2016";
        item1.maxRetailPrice=395.50f;
        item1.discountPercent=4.5f;
        item1.quantity=4;
        item1.calculateDiscountPrice();
        item1.print();
        System.out.println("\n\n     ********* ITEM2  DETAILS ********");
        Item item2;
        item2 = new Item();
        item2.id = "1P9H7";
        item2.name = "icecreams";
        item2.manufactureDate = "02-02-2016";
        item2.expiryDate = "01-06-2016";
        item2.maxRetailPrice=250.25;
        item2.discountPercent=10.2f;
        item2.quantity=6;
        item2.calculateDiscountPrice();
        item2.print();
    }
}
```

OUTPUT:

```
C:\Users\students\Documents\swathi>javac Solution.java

C:\Users\students\Documents\swathi>java Solution

        ********* ITEM1  DETAILS ********

ITEM ID                         12398
ITEM NAME                       chocolate
ITEM QUANTITY                   4
ITEM MFD DATE                   04-05-2016
ITEM EXPIRY DATE                01-06-2016
ITEM MAX RETAIL PRICE           Rs. 395.5
DISCOUNT PERCENT                 4.5%
DISCOUNT PRICE                          RS.1564.2025

        ********* ITEM2  DETAILS ********

ITEM ID                         1P9H7
ITEM NAME                       icecreams
ITEM QUANTITY                   6
ITEM MFD DATE                   02-02-2016
ITEM EXPIRY DATE                01-06-2016
ITEM MAX RETAIL PRICE           Rs. 250.25
DISCOUNT PERCENT                10.2%
DISCOUNT PRICE                  RS.1475.974500477314
C:\Users\students\Documents\swathi>
```