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();

}

}