**QUESTION NO. 1**

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \*File Name: Question1  
 \*Purpose: To compute the tax and tip on a restaurant bill  
 \*Programmer: Sagun Pandey  
 \*Last Updated Date: 03/08/2016  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  
 import java.util.Scanner;  
 public class RestaurantBill  
 {  
 public static void main(String[] args)  
 {  
 double charge;  
 double tax = 0.0625;  
 double tipRate = 0.15;  
 double totalWithTax;  
 double taxAmount;  
 double tipAmount;  
 double grandTotal;  
   
 Scanner keyboard = new Scanner(System.in);  
   
 System.out.println("What is the charge for your meal?");  
 charge = keyboard.nextDouble();  
   
 taxAmount = charge \* tax;  
 totalWithTax = charge + taxAmount;  
 tipAmount = totalWithTax \* tipRate;  
 grandTotal = totalWithTax + tipAmount;  
   
 System.out.println("meal: $" + charge);  
 System.out.println("tax: $" + taxAmount);  
 System.out.println("meal + tax: $" + totalWithTax);  
 System.out.println("total cost(tip included): $" + grandTotal);  
   
   
 }  
 }

**QUESTION NO. 2**

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \*File Name: Question2  
 \*Purpose: To extract the dollars and cents from a price given as a double floating-point value  
 \*Programmer: Sagun Pandey  
 \*Last Updated Date: 03/08/2016  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  
import java.util.Scanner;  
public class Dollars  
{  
 public static void main(String[] args)  
 {  
   
 double price;  
 Scanner keyboard = new Scanner(System.in);  
 System.out.println("Enter any number ");  
  
   
 price= keyboard.nextDouble();  
 int dollars = (int)price;  
   
 double result = (price - dollars)\*100 + 0.5;  
 int cents = (int)result;  
   
   
 System.out.println("Dollars is " + dollars + " and Cents is " + cents);  
   
 }  
}   
   
   
   
   
   
**QUESTION NO. 3**

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \*File Name: Question3  
 \*Purpose: To calculate the value of the discount  
 \*Programmer: Sagun Pandey  
 \*Last Updated Date: 03/08/2016  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  
import java.util.Scanner;  
public class Movies  
{  
 public static void main(String[] args)  
 {  
   
 int movieRentals;  
 int noOfMembers;  
 double amount;  
 double discount;  
   
 Scanner keyboard = new Scanner(System.in);  
   
 System.out.println("Enter the movie rentals ");  
 movieRentals = keyboard.nextInt();  
 System.out.println("Enter the numbers of members referred to the video club ");  
 noOfMembers= keyboard.nextInt();  
   
 amount= movieRentals+noOfMembers;  
 discount = Math.min(amount,75);   
   
   
 System.out.println("The disocunt is equal to "+ discount + "%");  
   
 }  
}