abstract class DesertItem {  
}

public class Candy extends DesertItem{  
 int quant;  
 public int addCandies(int candies){  
 quant+=candies;  
 return quant;  
 }  
 public int getCost()  
 {  
 return quant\*60;  
 }  
}

public class Cookie extends DesertItem{  
 int quant;  
 public int addCookies(int candies){  
 quant+=candies;  
 return quant;  
 }  
 public int getCost()  
 {  
 return quant\*60;  
 }  
}

public class IceCream extends assignment207{  
 int quant;  
 public int addIceCreams(int candies){  
 quant+=candies;  
 return quant;  
 }  
 public int getCost()  
 {  
 return quant\*10;  
 }  
  
  
}

import java.util.Scanner;  
  
public class assignment207 {  
 public static void main(String[] args) { assignment207 obj= new assignment207();  
 obj.selectRoles();  
 }  
 private void selectRoles(){  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Select Roles: \n1.Owner\n2.Customer");  
 int x=0;1  
 x=in.nextInt();  
 if(x==1)  
 roles("Owner");  
 else  
 roles("Customer");  
 in.close();  
 }  
 private void roles(String role){  
 if(role.equals("Owner"))  
 addItems();  
 else  
 placeOrder();  
 }  
 private void addItems() {  
 System.*out*.println("Add Items: \n1.Candy\n2.Cookie\n3.IceCream");  
 Scanner in = new Scanner(System.*in*);  
 int x=in.nextInt();  
 addItemsOperation(x);  
 in.close();  
 }  
 private void addItemsOperation(int choice) {  
 if(choice==1)  
 {  
 Candy x= new Candy();  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Quantity to be added:");  
 int candies=in.nextInt();  
 x.addCandies(candies);  
 System.*out*.println("Total Quantity "+x.quant);  
 in.close();  
 }  
 else if(choice ==2)  
 {  
 Cookie x= new Cookie();  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Quantity to be added:");  
 int candies=in.nextInt();  
 x.addCookies(candies);  
 System.*out*.println("Total Quantity "+x.quant);  
 in.close();  
 }  
 else  
 {  
 IceCream x= new IceCream();  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Quantity to be added:");  
 int candies=in.nextInt();  
 x.addIceCreams(candies);  
 System.*out*.println("Total Quantity "+x.quant);  
 in.close();  
 }  
 }  
 private void placeOrder() {  
 System.*out*.println("Add Items: \n1.Candy\n2.Cookie\n3.IceCream");  
 Scanner in = new Scanner(System.*in*);  
 int x=in.nextInt();  
 placeOrderOperation(x);  
 in.close();  
 }  
 private void placeOrderOperation(int choice) {  
 if(choice==1)  
 {  
 Candy x= new Candy();  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Quantity to be added:");  
 int candies=in.nextInt();  
 x.addCandies(candies);  
 System.*out*.println("Total Amount: "+x.getCost());  
 in.close();  
 }  
 else if(choice ==2)  
 {  
 Cookie x= new Cookie();  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Quantity to be added:");  
 int candies=in.nextInt();  
 x.addCookies(candies);  
 System.*out*.println("Total Amount: "+x.getCost());  
 in.close();  
 }  
 else  
 {  
 IceCream x= new IceCream();  
 Scanner in = new Scanner(System.*in*);  
 System.*out*.println("Quantity to be added:");  
 int candies=in.nextInt();  
 x.addIceCreams(candies);  
 System.*out*.println("Total Amount: "+x.getCost());  
 in.close();  
 }  
  
 }  
}