

1.

```
lab4_fatGram.java  lab4_softwareSales.java x  Squares.java  totalSales.java  Clock.java
1  import java.util.Scanner;
2
3  public class lab4_softwareSales{
4      public static void main(String[] args){
5
6          Scanner keyboard = new Scanner(System.in);
7
8          final double BASE_PRICE = 99;
9          double totalPrice = 0, discount = 0, packageCost = 0;
10
11         int packagesBought;
12
13         System.out.print("Please enter the number of pacakages bought. \n>>");
14         packagesBought = keyboard.nextInt();
15
16         if(packagesBought < 10){
17             packageCost = packagesBought * BASE_PRICE;
18             totalPrice = packageCost;
19         }
20         else if(packagesBought >= 10 && packagesBought <= 19){
21             packageCost = packagesBought * BASE_PRICE;
22             discount = packageCost * .2;
23             totalPrice = packageCost - discount;
24         }
25         else if(packagesBought >= 20 && packagesBought <= 49){
26             packageCost = packagesBought * BASE_PRICE;
27             discount = packageCost * .3;
28             totalPrice = packageCost - discount;
29         }
30         else if(packagesBought >= 50 && packagesBought <= 99){
31             packageCost = packagesBought * BASE_PRICE;
32             discount = packageCost * .4;
33             totalPrice = packageCost - discount;
34         }
35         else if(packagesBought > 100){
36             packageCost = packagesBought * BASE_PRICE;
37             discount = packageCost * .5;
38             totalPrice = packageCost - discount;
39         }
40
41         System.out.print("You are buying " + packagesBought + " packages.\n");
42         System.out.print("You recieved a discount of $" + discount + ".\n");
43         System.out.print("Your total cost is $" + totalPrice + ".\n");
44     }
45 }
46 }
47
48
(xenial)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab4_softwareSales
Please enter the number of pacakages bought.
>>46
You are buying 46 packages.
You recieved a discount of $1366.2.
Your total cost is $3187.8.
(xenial)mlgskelly@localhost:~/Scripting/Java/Labs$
```

2.

```
lab4_fatGram.java x Squares.java totalSales.java Clock.java
1 import java.util.Scanner;
2
3 public class Lab4_fatGram{
4     public static void main(String[] args){
5
6         Scanner keyboard = new Scanner(System.in);
7         double calories, fatGrams, percentage, caloriesFromFat;
8
9         System.out.print("Please enter the number of calories.\n>>");
10        calories = keyboard.nextDouble();
11
12        System.out.print("Please enter the number of fat grams.\n>>");
13        fatGrams = keyboard.nextDouble();
14
15        caloriesFromFat = fatGrams * 9.0;
16        percentage = caloriesFromFat / calories;
17
18        if (percentage <= .3){
19            System.out.print("Your food item is low in fat!\n");
20        }
21
22    }
23 }
24
```

(xenial)mlgskelly@localhost: ~/Scripting/Java/Labs

```
(xenial)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab4_fatGram
Please enter the number of calories.
>>200
Please enter the number of fat grams.
>>3
Your food item is low in fat!
(xenial)mlgskelly@localhost:~/Scripting/Java/Labs$
```