Lab Report 10

# Problem

In this lab, we will have to create a program to calculate the amount of chocolate bars any amount of money will get the user. Each bar has a coupon. Every six coupons will give an extra bar. The program must print the number of bars gotten and coupons left.

# Proposed Solution

Start

User enters the amount of dollars used

Calculate the amount of extra bars by dividing the money by 6

End

Print the total bars and coupons left

Combine the extra bars and the money to get the total number of bars bought

Combine the total bars and do the calculation (%6) to get the number of coupons left

# Tests and Results

I tested the program using the example and a bunch of other numbers and it all calculated accordingly

# Problems Encountered

The only problem I ran in to for a short time was me realizing that I needed to include the coupons of the extra chocolate bars.

# Conclusions and Discussion

You could use a loop for this program in order to get the amount of bars gotten and coupons left.

# Additional Questions

1. In the proposed solution section, draw a flowchart to represent your solution.

2. Is this code problem free? If yes, write the generated output, if not, identify the error:

int j = 7, m = 5;

while ( j != 0) { (the program is an infinite loop! j will never equal 0)

System.out.println(j­-m);

}