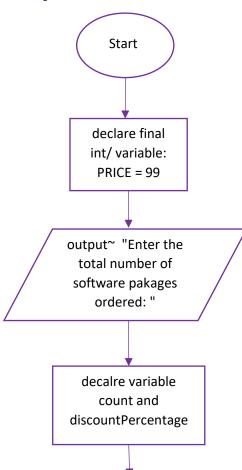
# Lab Report

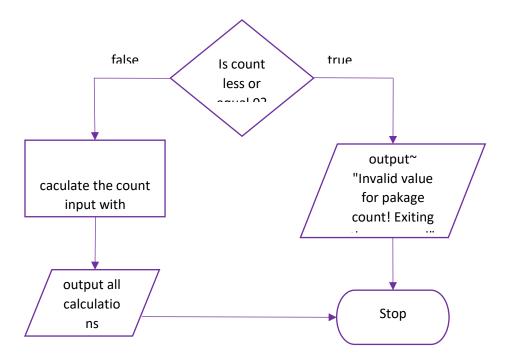
## Jamya Prince

### **Problem**

Output a program that correctly calculates the discount of packages that were entered and shows before and after the discount for the end of the program.

# **Proposed Solution**





### **Tests and Results**

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```

If a negative number is entered, the program will exit

### **Problems Encountered**

I had problems with the else If statements because I was putting semicolons at the end of them and it was creating a syntax error, so I removed them.

#### **Conclusions and Discussion**

After coding the program correctly and the discount math is correctly programmed, it should output a program and prompted to enter a number of packages and then the discounts, before and after, and total. Also, if negative numbers are entered, the program should exit. I think this way of doing the program was the easiest way, I don't really know any other ways.

#### **Additional Questions**

1. Can a keyword be used as the name of an identifier?

# No, because they are a part of syntax

2. List any 2 keywords or reserved words.

## Double, else

3. What is short-circuit evaluation? Why is it useful?

Short- circuit evaluation is like && and ||, it's helpful because it won't cause run-time error