### CISLab A - Cash Register (pseudocode)

You're working as a software engineer for Fred Meyer. Fred comes to you and wants you to write a program for the cash registers. You just got hired, so he's making it easy on you.

The program gets the customer's age. Then, for each item:

* The program gets the item's price.
* If the customer is 65 or older, subtract a dollar from the item's price.
* It adds the item's price to the total.
* It prints the item price.

After all the items are processed, it prints out the total and a message that says, "Thank you, loyal shopper!". And oh yeah, one more thing I forgot to tell you - it gets and prints the current date before it gets the customer's age.

**HINT:**Declare the date variable as **Dim CurrentDate as Date**.

Download the [**Lab A Starter file**](http://spot.pcc.edu/~mpassala/CIS122/Blackboard/Solutions/Lab%20A/CIS%20122%20Lab%20A.docx) I have provided for you (right-click and save to your Lab A folder), and complete the program.

1. Write the pseudocode for the algorithm, using standard pseudocode words like Get, Print, etc.
2. Be sure to declare all necessary variables, along with their types (String, Number, Integer, Decimal, Boolean, Date).
3. Variables names must be meaningful. They must be all letters, no spaces. The first letter of each word in the name must be capitalized, e.g. ItemPrice.
4. Write out the code to do any calculations, for example: VariableX = VariableX + VariableY (Don't just write "Add Price to Total")
5. Use If Statements and loops where appropriate.

**Hint:** The If statement in this program should NOT have an Else. So, do not put one in.

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## Instructions

This is a starter file for your assignment. Some of it is already there, some of it is not. Wherever you see **???**, that means there is one or more lines for **you** to fill in. Complete this document and submit it.

**'Variables**

Dim CurrentDate as Date

Dim ItemPrice as Decimal

Dim Age as Integer

Dim ItemNum as Integer

Dim Total as Decimal

**Get CurrentDate**

**Print CurrentDate**

Get Age

**'Code**

Display “Enter number of items: ”

Get ItemNumber

While  **ItemNum > 0**

**ItemNum = ItemNum -1**

Display “Enter Item Price: “

Get ItemPrice

If **Age >= 65**

**ItemPrice = ItemPrice – 1**

End If

Print ItemPrice

**Total = Total + ItemPrice**

End While

Print Total

**Print “Thank you, loyal shopper!”**