Name: Lab4\_Knowlton

Author: Matthew Knowlton

Lab Number: 4

Date: 14 February 2022

BEGIN

INIT name

INIT scanner as a new scanner

PRINT “Please enter a name.”

GET name from scanner

PRINT “Welcome to CS 1101 Coffee Shop, name!”

PRINT the menu with prices

INIT selection

INIT item

INIT quantity

INIT price

INIT subtotal

INIT discount

INIT tax

INIT total

PRINT “Please select an item off of the menu.”

GET selection from scanner

CASE selection OF

CONDITION 1

SET item to Americano

SET price to 1.50

CONDITION 2

SET item to Latte

SET price to 3.50

CONDITION 3

SET item to Cappucino

SET price to 3.25

CONDITION 4

SET item to Espresso

SET price to 2.00

CONDITION 5

SET item to Coffee Cake

SET price to 5.00

CONDITION 6

SET item to Muffin Pastry

SET price to 3.00

CONDITION 7

SET item to Lemon Bread

SET price to 2.25

DEFAULT

SET item to blank

SET price to 0

ENDCASE

IF item is not blank THEN

PRINT “You have selected item”

ELSE

PRINT “Selection not found”

ENDIF

PRINT “Please enter a quantity.”

GET quantity from scanner

SET subtotal to price times quantity

PRINT “Total before tax and discount: subtotal”

IF subtotal is greater than 10 THEN

SET discount to subtotal times 0.1

ELSE

SET discount to 0

ENDIF

PRINT “Discount: discount”

SET subtotal to subtotal minus discount

PRINT “Price after discount: subtotal”

SET tax to subtotal times 0.07

PRINT “Tax: tax”

SET total to subtotal plus tax

PRINT “Total: total”

END