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//SDEV 120

//4/15/2020

//Programming Challenge , page 253

//Income Tax Calculator

//This program is called Income Tax Buddy. This is the beta.

Main Module

Declare income as Integer

Declare UserName as string

Declare TaxRate as float

Write “Hello, please enter your first name.”

Input UserName

Write “Thank you “ + UserName + “ for downloading Income Tax Buddy.”

Call Input/Error Module

Call Process Module

Call Output Module

//

End Main Program

//

//This module needs the user to enter their total taxable income to be used later in the process //module

Input/Error Module

Write “Please enter your total taxable income as a whole number. Please be sure it is “ Write “positive.”

Input income

If income > 0 And income = Integer Then

Write “Thank you, “ + UserName + “, you wrote “ + income + “.”

Else

Write “I’m sorry, you entered an incorrect number. Please avoid using Write “decimals, and be sure to enter a positive number.”

End If

//

End Input/Error Module

//

// The process module will check the amount of income against the tax table and determine what // class rate the user is taxed at.

Process Module

//

If income < 50,000 Then

Set TaxDue = (0 + (.05 \* income)

Else

If 50,000 < income < 99,999 Then

Set TaxDue = (2,500 + (.07 \* income)

Else

If income > 99,999 Then

Set TaxDue = (6,000 + (.09 \* income)

End If

End If

End If

//

End Process Module

//

//Display a repeat of the information provided, and the results to the user.

Output Module

Write “” + UserName + “ , you input “ + income + ” and your taxes due are “ + TaxDue

Write “+ “.”

Write “Thank you for using Income Tax Buddy!”

End Output Module