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//SDEV 120

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//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 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 Module

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

Input income

If income > 0 Then

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

Else

Write “Sorry. You must enter a positive number.”

End If

End Input 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

//

// In this module I was unsure whether case structure or if-then-else would work better. I //wrote the program in both styles but decided to go with case structure because I have //never done it for an assignment before and I wanted the practice.

Select Case of income

Case income < 50,000

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

Break

//

Case 50,000 < income < 99,999

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

Break

//

Case income > 99,999

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

Break

//

End Case

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