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//SDEV 120

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//Programming Challenge 8, page 253

//Shipping Cost Calculator

//

//This program is called Shipping Calculator

Main Module

Declare CartTotal , TotalCost as Float

Declare UserName , Country as String

Write “Thank you for downloading Shipping Calculator! Please enter your name.”

Input UserName

Call Input/Error Module

Call Process Module

Call Output Module

End Main Program

//

//This module will require two things from the user, their Country of Residence, and their cart //total

Input/Error Module

Write “Thank you “ + UserName + “, please enter your country of residence.”

Input Country

If Country = USA Then

Write “You wrote “ + Country + “.”

If Country = Canada Then

Write “You wrote “ + Country + “.”

Else

Write “Sorry, we only ship to USA and Canada at this time.”

Write “Please enter your cart total.”

Input CartTotal

Write “Thank you, “ + UserName + “.”

End Input Module

//

//The processing module will compare the country of residence and cart total with several //conditions and choose the one that the user meets. Then their cost with shipping will be //calculated

Process Module

//Selecting the user’s cost tier

Select Case of Country

Case USA

//

If CartTotal < 50.00 Then

Set TotalCost = CartTotal + 6.00

//

If 50.01 < CartTotal and CartTotal < 100.00 Then

Set TotalCost = CartTotal + 9.00

//

If 100.01 < CartTotal and CartTotal < 150.00 Then

Set TotalCost = CartTotal + 12.00

Else

Set TotalCost = CartTotal + 0.00

EndIf

EndIf

EndIf

//

Break

Case Canada

//

If CartTotal < 50.00 Then

Set TotalCost = CartTotal + 8.00

//

If 50.01 < CartTotal and CartTotal < 100.00 Then

Set TotalCost = CartTotal + 12.00

//

If 100.01 < CartTotal and CartTotal < 150.00 Then

Set TotalCost = CartTotal + 15.00

Else

Set TotalCost = CartTotal + 0.00

EndIf

EndIf

EndIf

//

Break

End Case

End Process Module

//

//This is where it all comes together, and we show the user what the results are.

Output Module

Write “Your total cost with shipping to “ + Country + ” is “ + TotalCost + ”.”

Write “Thank you, “ + UserName + “, for shopping with us, and using Shipping Calculator! Have a nice day!”

End Output Module