//Module main()

//variable hold input from user

Declare Real purchase

//module informs user

Call showMessage()

//ask user for ‘purchase’ cost

Display “What is the cost of your purchase? $”

Input purchase

//module takes the input and calculates taxes and total

Call showTax(purchase)

End Module

Module showMessage()

Display “This a program that computes the different taxes and the total of a purchase.”

End Module

Module showTax(Real purchase)

//declare variables to hold output for taxes and totals

Declare Real stateTax

Declare Real countyTax

Declare Real totalTax

Declare Real purchaseTotal

//calculate all taxes and totals

Set stateTax = purchase \* 0.02

Set countyTax = purchase \* 0.04

Set totalTax = stateTax + countyTax

Set purchaseTotal = purchase + totalTax

//print calculations to user

Display “The item you purchased cost $”, purchase

Display “The state tax is $”, stateTax

Display “The county tax is $”, countyTax

Display “The total tax is $”, totalTax

Display “The total of your purchase is $”, purchaseTotal

End Module