Module main ()

// Declare local variables

Declare Real totalSales

Declare Real countyTax

Declare Real stateTax

Declare Real totalTax

// Function calls

Call inputData(totalSales)

Call calcCounty(totalSales, countyTax)

Call calcState(totalSales, stateTax)

Call calcTotal(stateTax, countyTax)

Call dispTax(stateTax, countyTax, totalTax)

End Module

// this module takes in the required user input

Module inputData(Real Ref totalSales)

Display "Enter the total sales for the month."

Input totalSales

End Module

// this module calculates county tax

// totalSales can be a value parameter because it is not

// changed in the module.

// countyTax must be a reference parameter because it is

// changed in the module

Module calcCounty(Real totalSales, Real Ref countyTax)

countyTax = totalSales \* .02

­­­­­­­­­­­End Module

// this module calculates state tax

// totalSales can be a value parameter because it is not

// changed in the module.

// stateTax must be a reference parameter because it is

// changed in the module

Module calcState(Real totalSales, Real Ref stateTax)

stateTax = totalSales \* .04

End Module

// this module calculates total tax

// stateTax and countyTax can be value parameters because they

// are not changed in the module

Module calcTotal(Real stateTax, Real countyTax)

totalTax = stateTax + countyTax

End Module

// this module prints the total, county, and state tax

Module dispTax(Real stateTax, Real countyTax, Real totaltax)

Display “The state tax is $“, stateTax

Display “The county tax is $”, countyTax

Display “The total tax is $”, totalTax

End Module