**Programming Exercise 2-6**

# Variable declarations

purchase = 0.0

stateTax = 0.0

countyTax = 0.0

totalTax = 0.0

totalSale = 0.0

# Constants for the state and county tax rates

STATE\_TAX\_RATE = 0.05

COUNTY\_TAX\_RATE = 0.025

# Get the amount of the purchase.

purchase = float(input("Enter the amount of the purchase: "))

# Calculate the state sales tax.

stateTax = purchase \* STATE\_TAX\_RATE

# Calculate the county sales tax.

countyTax = purchase \* COUNTY\_TAX\_RATE

# Calculate the total tax.

totalTax = stateTax + countyTax

# Calculate the total of the sale.

totalSale = purchase + totalTax

# Print information about the sale.

print ("Purchase Amount:", format(purchase, '.2f'))

print ("State Tax:", format(stateTax, '.2f'))

print ("County Tax:", format(countyTax, '.2f'))

print ("Total Tax:", format(totalTax, '.2f'))

print ("Sale Total:", format(totalSale, '.2f'))

B

Display “Total Tax: “, totalTax

Display “Sale Total: “, totalSale

Declare Real purchase, stateTax, countyTax, totalTax, totalSale

Constant Real STATE\_TAX\_RATE = 0.05

Constant Real COUNTY\_TAX\_RATE = 0.025

Display “Enter the amount of the purchase.”

Input purchase

Set stateTax = purchase \* STATE\_TAX\_RATE

A

Display “Purchase Amount: “, purchase

Set totalSale = purchase + totalTax

Set totalTax = stateTax + countyTax

Set countyTax = purchase \* COUNTY\_TAX\_RATE

Display “State Tax: “, stateTax

Display “County Tax: “, countyTax

Start

A

B

End