**Programming Exercise 2-4**

# Variables to hold the prices of each item, the subtotal,

# and the total.

item1 = 0.0

item2 = 0.0

item3 = 0.0

item4 = 0.0

item5 = 0.0

subtotal = 0.0

tax = 0.0

total = 0.0

# Constant for the sales tax rate.

TAX\_RATE = 0.07

# Get the price of each item.

item1 = float(input("Enter the price of item #1: "))

item2 = float(input("Enter the price of item #2: "))

item3 = float(input("Enter the price of item #3: "))

item4 = float(input("Enter the price of item #4: "))

item5 = float(input("Enter the price of item #5: "))

# Calculate the subtotal.

subtotal = item1 + item2 + item3 + item4 + item5

# Calculate the sales tax.

tax = subtotal \* TAX\_RATE

# Calculate the total.

total = subtotal + tax

# Print the values.

print ("Subtotal: ", format(subtotal, '.2f'))

print ("Sales Tax: ", format(tax, '.2f'))

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

A

Input item2

Display “Enter the price of item #2.”

Input item1

Display “Enter the price of item #1.”

Constant Real TAX\_RATE = 0.07

Start

Declare Real item1, item2, item3, item4, item5, subtotal, tax, total

A

Input item4

Display “Enter the price of item #3.”

Input item3

Display “Enter the price of item #4.”

Display “Enter the price of item #5.”

Input item5

B

Set subtotal = item1 + item2 + item3 + item4 + item5

B

Set tax = subtotal \* TAX\_RATE

Set total = subtotal + tax

Display “Subtotal: $”, subtotal

Display “Sales Tax: $”, tax

Display “Total: $”, total

End