**Programming Exercise 2-8**

# Declare variables for food charges, tip, tax, and total.

food = 0.0

tip = 0.0

tax = 0.0

total = 0.0

# Constants for the tax rate and tip rate.

TAX\_RATE = 0.07

TIP\_RATE = 0.18

# Get the food charges.

food = float(input("Enter the charge for food: "))

# Calculate the tip.

tip = food \* TIP\_RATE

# Calculate the tax.

tax = food \* TAX\_RATE

# Calculate the total.

total = food + tip + tax

# Print the tip, tax, and total.

print ("Tip: $", format(tip, '.2f'))

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

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

End

Display “Total: $”, total

Display “Tax: $”, tax

Display “Tip: $”, tip

Set total = food + tip + tax

Set tax = food \* TAX\_RATE

A

A

Set tip = food \* TIP\_RATE

Input food

Display “Enter the charge for food.”

Constant Real TIP\_RATE = 0.18

Start

Declare Real food, tax, tip, total

Constant Real TAX\_RATE = 0.07