

Programming Exercise 2-6

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# 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 = 0.04
COUNTY_TAX_RATE = 0.02

# 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'))
```

