#This program demonstrates how to create a simple class using Python

#Define the class Commission

class Commission:

#constructore

def \_\_init\_\_(self, NewSales):

self.\_\_sales = NewSales

self.\_\_rate = 0.0

self.\_\_commission = 0.00

#determines the commission rate based on sales

def DetermineRate(self):

if self.\_\_sales <= 3000:

self.\_\_rate = 0.03

elif self.\_\_sales <= 5000:

self.\_\_rate = 0.05

elif self.\_\_sales <= 10000:

self.\_\_rate = 0.08

else:

self.rate = 0.10

#Calcualtes the commission

def DetermineCommission(self):

self.\_\_commission = self.\_\_sales \* self.\_\_rate

#Allows main() to grab rate, commission and sales from the class

def GetRate(self):

return self.\_\_rate

def GetCommission(self):

return self.\_\_commission

def GetSales(self):

return self.\_\_sales

def main():

#declare variables

SalesAmount = 0.0

#Ask the user for their monthly sales

SalesAmount = float(input("Enter your sales amount for this month: $"))

#Create the new CommCalc object based off of the Commission class

CommCalc = Commission(SalesAmount)

#Run the Determine Rate and Determine Commission methods in Commission

CommCalc.DetermineRate()

CommCalc.DetermineCommission()

#Print out Sales, Rate and Commission to the user

print("Your total Sales for this month was: $", format(CommCalc.GetSales(), ',.2f'))

print("Your Commission Rate is: ", (CommCalc.GetRate() \* 100), "%")

print("Your Earned Commission is: $", format(CommCalc.GetCommission(), ',.2f'))

#Call main

main()