CHALLENGE 3

# Challenge3.py

#

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# date: September 2016

from decimal import Decimal

minutes = int(input("Enter the number of minutes used this month\n\n"))

texts = int(input("Enter the number of texts sent this month\n\n"))

base\_rate = 1500

additional\_minutes\_cost = 25

additional\_texts\_cost = 15

allowed\_minutes = 50

allowed\_texts = 50

cost\_of\_extra\_minutes = 0

cost\_of\_extra\_texts = 0

call\_centre\_fee = 44

tax = 0

subtotal = 0

print("Your base fee is: $",base\_rate/100,"\n")

if minutes > allowed\_minutes:

    cost\_of\_extra\_minutes = (minutes - allowed\_minutes) \* additional\_minutes\_cost

    print("Your addtional minutes fee is: ", cost\_of\_extra\_minutes/100 ,"\n")

if texts > allowed\_texts:

    cost\_of\_extra\_texts = (texts - allowed\_texts) \* additional\_texts\_cost

    print("Your additional texts fee is: ", cost\_of\_extra\_texts/100,"\n")

print("Your 111 call centre fee is: $",call\_centre\_fee/100,"\n")

subtotal = base\_rate + cost\_of\_extra\_minutes + cost\_of\_extra\_texts + call\_centre\_fee

tax = subtotal \* 0.05

print("Taxes: $", round(tax/100,2),"\n")

print("Subtotal: $", subtotal/100,"\n")

print("Total Charges: $",round((subtotal + tax)/100,2),"\n")

# Testing

'''

print("My assertions are:"

      "minutes = 40, texts = 55, output = additional\_texts\_cost = 0.75, tax = 0.81, Total Charges: $17.00"

      "minutes = 55, texts = 40, output = additional\_minutes\_cost = 1.25, tax = 0.83, Total Charges: $17.52"

      "minutes = 40, texts = 40, output =  tax = 0.77, Total Charges: $16.21"

      "minutes = 55, texts = 55, output = additional\_minutes\_cost = 1.25, additional\_texts\_cost = 0.75, tax = 0.87, Total Charges: $18.31")

'''