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Created on Tue Feb 8 15:34:24 2022
    What the code does?
    1. The customer name
customerName = str(input("Name of costomer: ")).capitalize()
previousReading = float(input("Previous meter reading,kwh: "))
currentReading = float(input("Current meter reading,kwh: "))
# passing info to the amountToBePaid function
def amountToBePaid(customerName,previousReading,currentReading):
  # check if current reading is less than the previous reading
  if currentReading < previousReading:
    error msg = f"Hello {customerName}, your current meter reading "
    error msg = error msg + "can not be less than the previous meter reading!"
    print(error_msg)
  else:
    electricityConsumed = currentReading - previousReading
    if electricityConsumed > 200:
       category = "a commercial user"
       if electricityConsumed <= 201:
         amount To Pay = 0.9*electricity Consumed
         twoPersent = (2/100)*amountToPay #additional 2%
         totalAmountToBePaid = twoPersent + amountToPay
       else:
         amountToPay = (0.9*201) + 1.5*(electricityConsumed - 201)
         twoPersent = (2/100)*amountToPay #additional 2%
         totalAmountToBePaid = twoPersent + amountToPay
    elif electricityConsumed > 100:
       category = "an industrial user"
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if electricityConsumed <= 120:
         amountToPay = 0.5*electricityConsumed
         twoPersent = (2/100)*amountToPay #additional 2%
         totalAmountToBePaid = twoPersent + amountToPay
      else:
         amountToPay = (0.5*120) + 0.75*(electricityConsumed - 120)
         twoPersent = (2/100)*amountToPay #additional 2%
         totalAmountToBePaid = twoPersent + amountToPay
    else:
      # domestic since all the above conditions faild
      category = "a domestic user"
      if electricityConsumed <= 60:
         amountToPay = 0.3*electricityConsumed
         twoPersent = (2/100)*amountToPay #additional 2%
         totalAmountToBePaid = twoPersent + amountToPay
      else:
         amountToPay = (0.3*60) + 0.5*(electricityConsumed - 60)
         twoPersent = (2/100)*amountToPay #additional 2%
         totalAmountToBePaid = twoPersent + amountToPay
    msgToCustomer = f"\n Hello {customerName},based on your comsumption,"
    msgToCustomer = msgToCustomer + f'' \{electricityConsumed\} kwh, you've \ been'' \} \\
    msgToCustomer = msgToCustomer + f'' categorised as {category} and "
    msgToCustomer = msgToCustomer + "you're to pay a total amount of"
    msgToCustomer = msgToCustomer + f" {totalAmountToBePaid:.2f} GHC"
    print(msgToCustomer)
# calling the amountToBepPaid function to do the needful
amountToBePaid(customerName, previousReading, currentReading)
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