1. **Write a program that prompts the user to input number of calls and calculate the monthly telephone bills as per the following rule:**

● Minimum Rs. 200 for up to 100 calls.

● Plus Rs. 0.60 per call for next 50 calls.

● Plus Rs. 0.50 per call for next 50 calls.

● Plus Rs. 0.40 per call for any call beyond 200 calls.

def calculate\_telephone\_bill(num\_calls):

base\_charge = 200 # Minimum charge for up to 100 calls

cost\_per\_call\_1 = 0.60 # Cost for the next 50 calls

cost\_per\_call\_2 = 0.50 # Cost for the next 50 calls

cost\_per\_call\_3 = 0.40 # Cost for any call beyond 200 calls

if num\_calls <= 100:

total\_cost = base\_charge

elif num\_calls <= 150:

total\_cost = base\_charge + (num\_calls - 100) \* cost\_per\_call\_1

elif num\_calls <= 200:

total\_cost = base\_charge + 50 \* cost\_per\_call\_1 + (num\_calls - 150) \* cost\_per\_call\_2

else:

total\_cost = base\_charge + 50 \* cost\_per\_call\_1 + 50 \* cost\_per\_call\_2 + (num\_calls - 200) \* cost\_per\_call\_3

return total\_cost

if \_\_name\_\_ == "\_\_main\_\_":

num\_calls = int(input("Enter the number of calls: "))

monthly\_bill = calculate\_telephone\_bill(num\_calls)

print("Monthly Telephone Bill: Rs.", monthly\_bill)

A screenshot of a computer

Description automatically generated