2.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 cal\_telephone\_bill(no\_of\_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 no\_of\_calls <= 100:

total\_cost = base\_charge

elif no\_of\_calls>100 and no\_of\_calls <= 150:

total\_cost = base\_charge + (no\_of\_calls - 100) \* cost\_per\_call\_1

elif no\_of\_calls>150 and no\_of\_calls <= 200:

total\_cost = base\_charge + 50 \* cost\_per\_call\_1 + (no\_of\_calls - 150) \* cost\_per\_call\_2

else:

total\_cost = base\_charge + 50 \* cost\_per\_call\_1 + 50 \* cost\_per\_call\_2 + (no\_of\_calls - 200) \* cost\_per\_call\_3

return total\_cost

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

no\_of\_calls = int(input("Enter the number of calls: "))

monthly\_bill = cal\_telephone\_bill(no\_of\_calls)

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

for 100 calls:

Enter the number of calls: 100

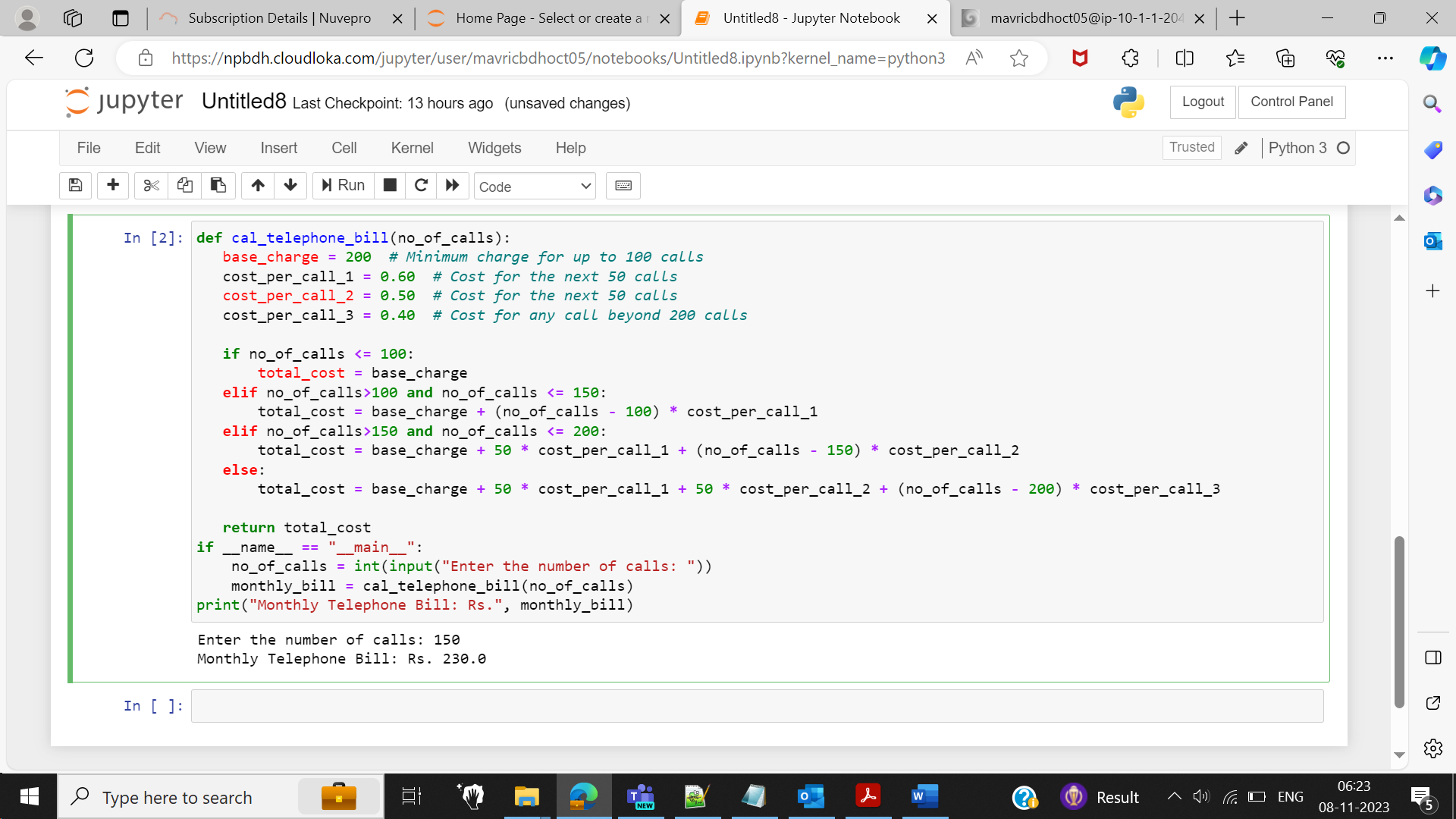
Monthly Telephone Bill: Rs. 200

A screenshot of a computer

Description automatically generated

Enter the number of calls: 150

Monthly Telephone Bill: Rs. 230.0



Enter the number of calls: 200

Monthly Telephone Bill: Rs. 255.0

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