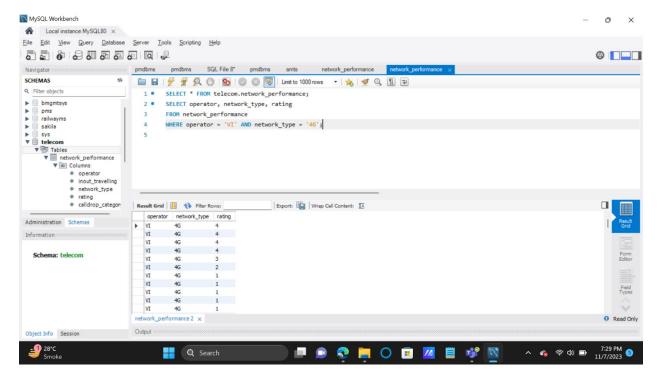
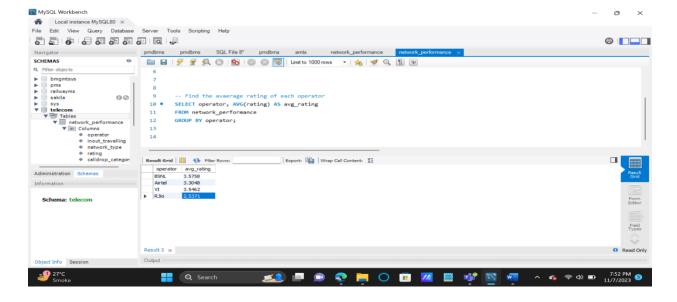
### **Primary Objectives:**

The primary objective of this SQL project is to analyze and understand the network performance of various operators in different regions. The "network performance" table likely contains data collected from network performance tests, surveys, or monitoring tools. The goal of the project is to derive valuable insights and make data-driven decisions to improve network performance, customer satisfaction, and network reliability.

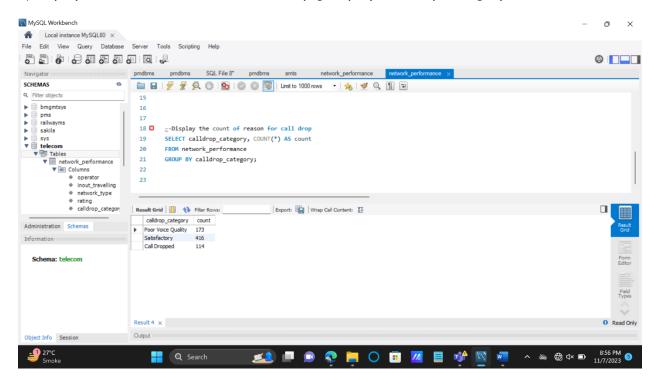
1)Display the network type having 4G and rating of the VI operator



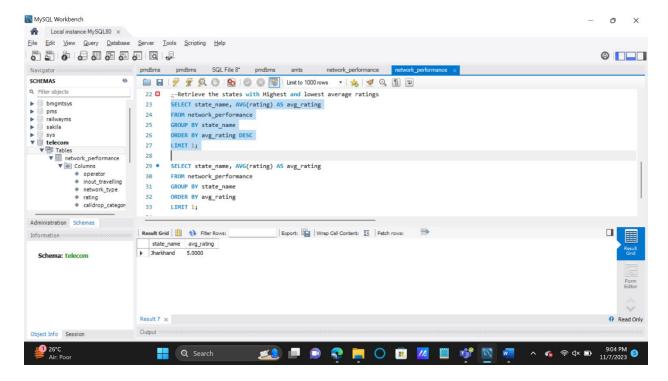
2) Find the average rating of each Telecom operator.



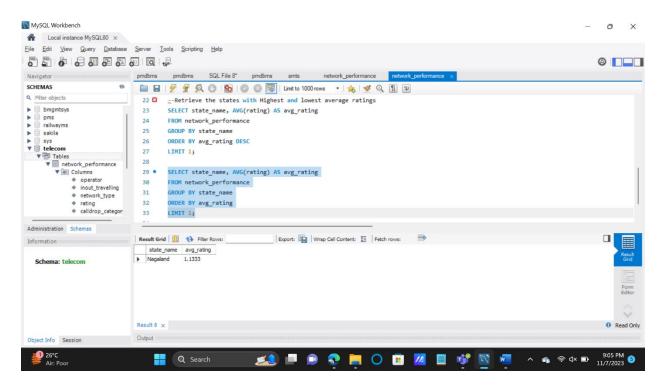
3)Display the count of reason for call drop group by call drop category.



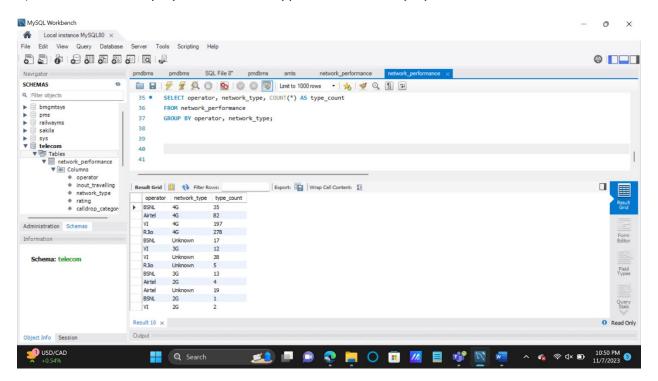
4) Retrieve the states Highest and Lowest average ratings



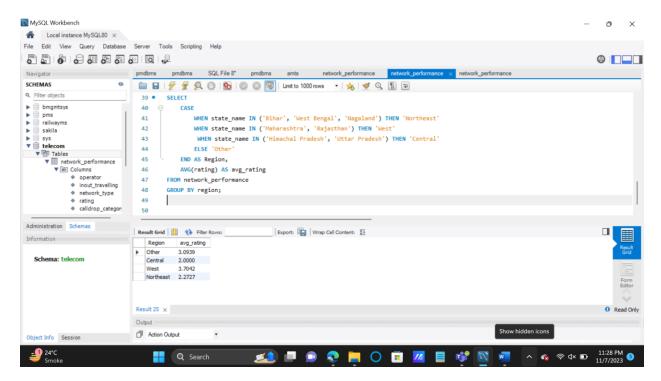
#### Lowest average ratings - Nagaland



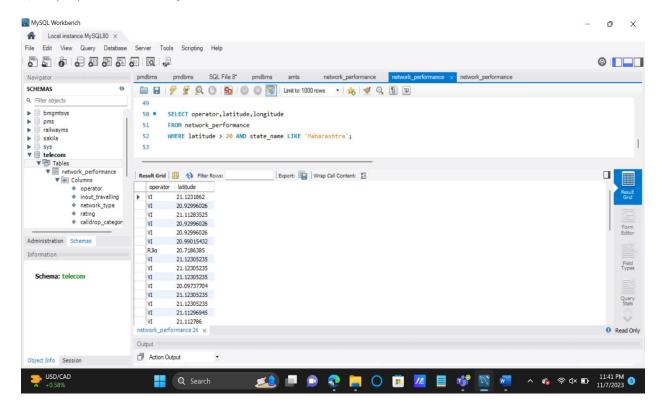
### 5)Calculate and display the Network type distribution by operator



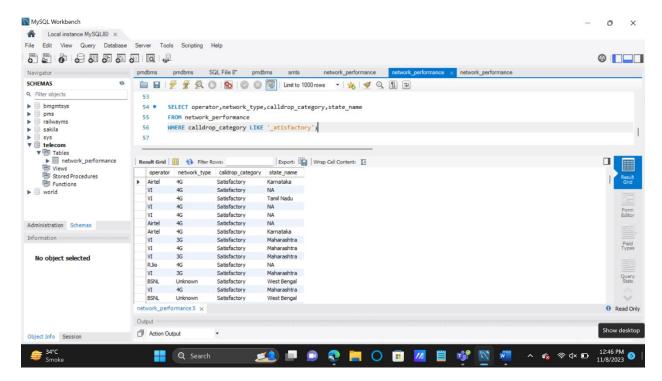
6)Using case function classify the states into regions and find the average ratings which will help to determine which region is having less average so that assessment can be done.



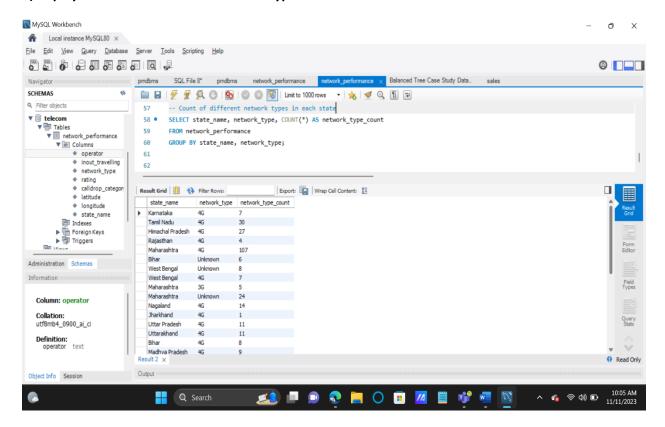
7)Display the latitude greater than 20 in the state of Maharashtra



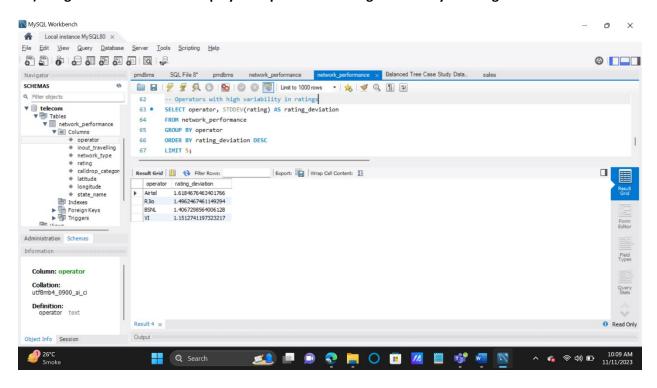
8)Return the operator, network type and state name with a call drop category starting with any character, followed by "atisfactory"



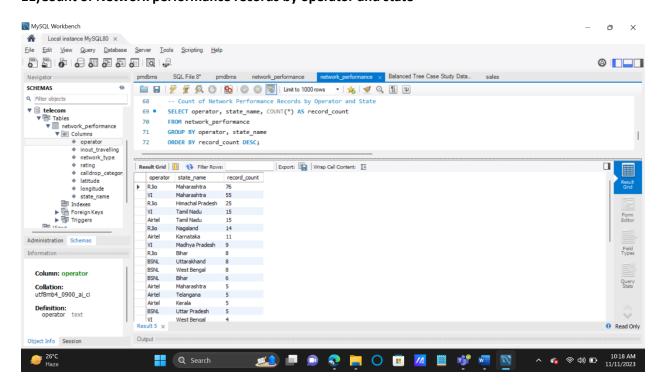
9)Display the count of different network type in each state.



### 10) Using standard deviation display the operators with high variability in ratings



## 11)Count of Network performance records by operator and state



# **Key Takeaways:**

- Operators with the highest and lowest network performance ratings.
- States with the best and worst network performance.
- Network types that are most common and their associated performance.
- Operators with the highest call drop rates and their performance improvement needs.
- Geographical clusters of network issues based on latitude and longitude data.
- The distribution of call drop categories and their impact on user satisfaction.