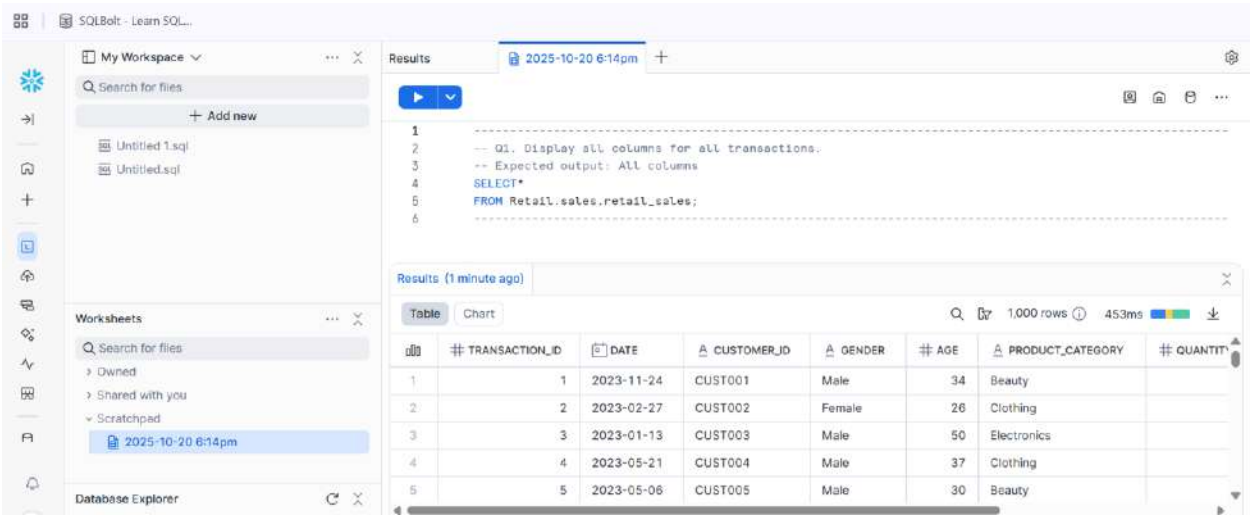
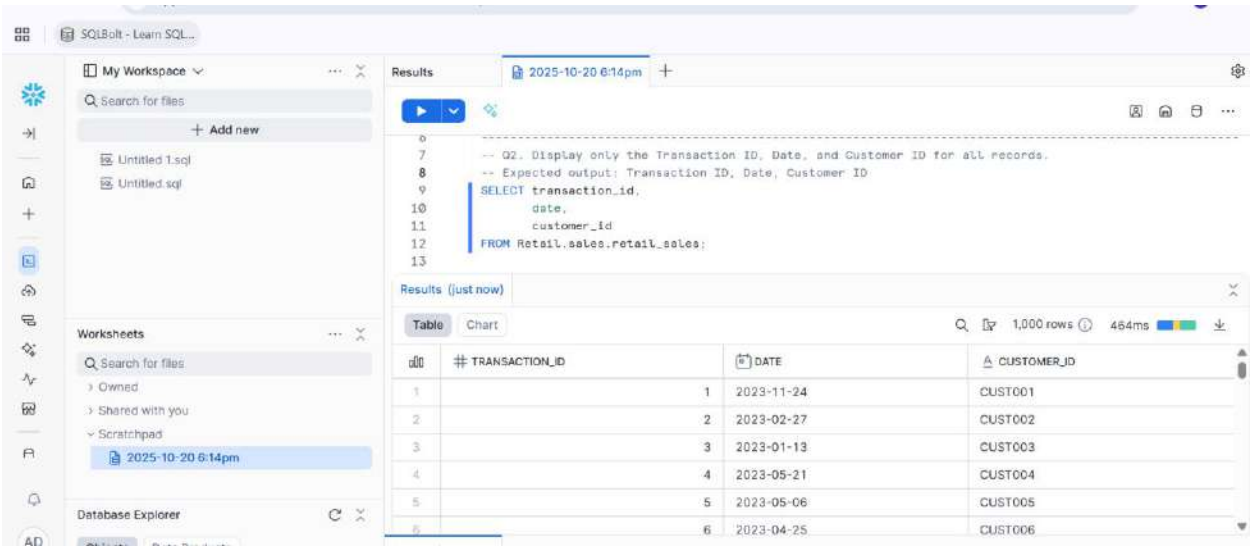
ANDILE DUBE

Practical 1: Basic SQL Syntax

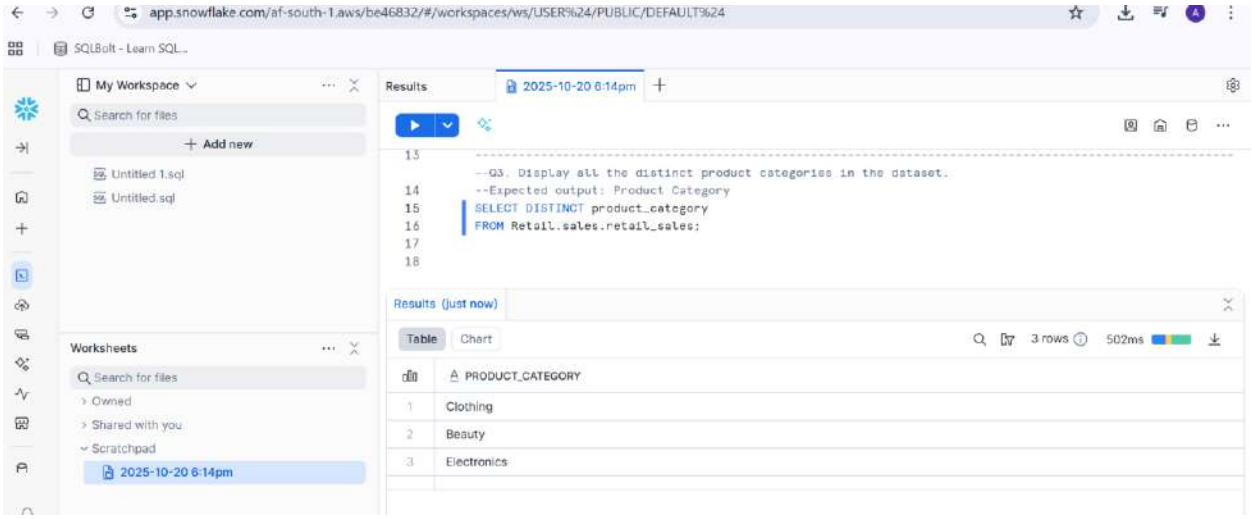
Question 1:



Question 2:



Question 3: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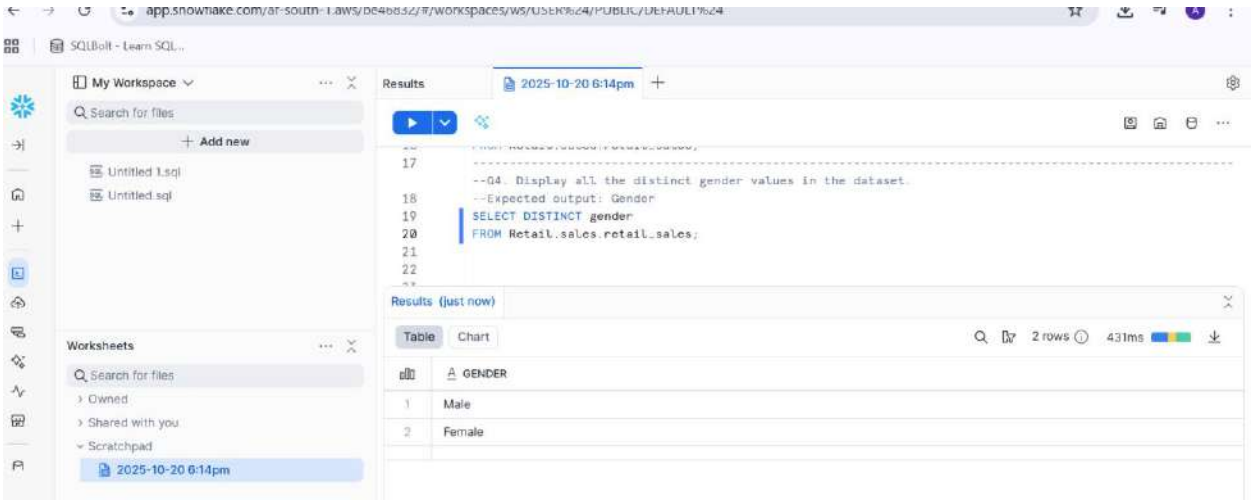
Scratchpad
2025-10-20 6:14pm
Results
2025-10-20 6:14pm
--Q3. Display all the distinct product categories in the dataset.
--Expected output: Product Category
SELECT DISTINCT product_category
FROM Retail.sales.retail_sales;
Results (just now)
Table
Chart
3 rows
502ms
PRODUCT_CATEGORY
Clothing
Beauty
Electronics

Question 4: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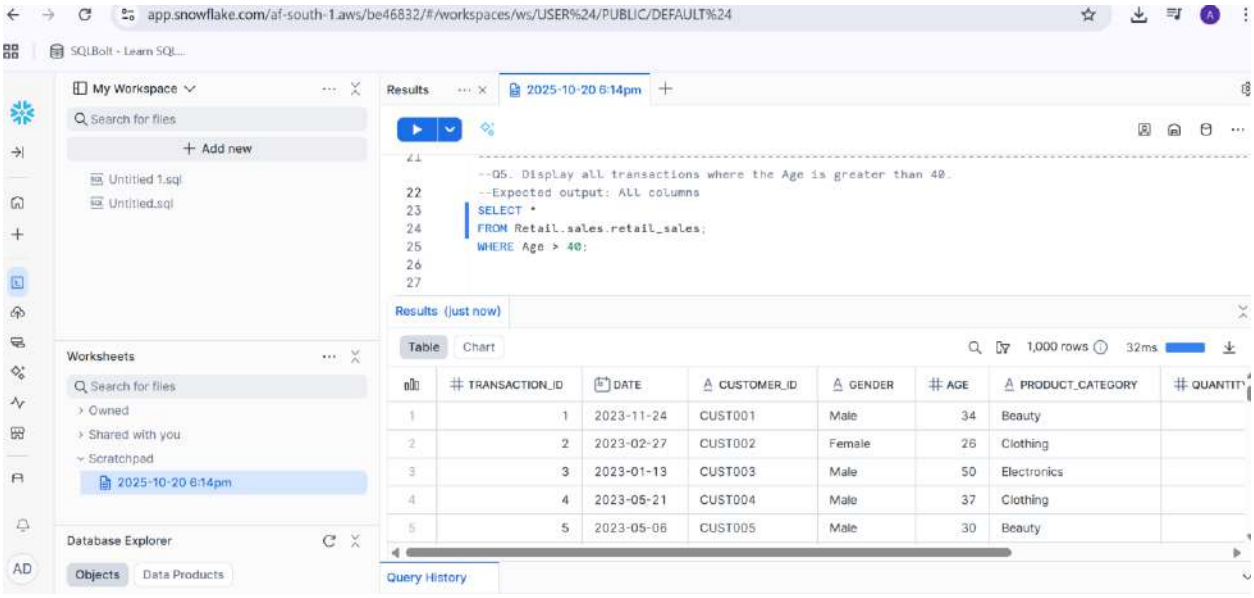
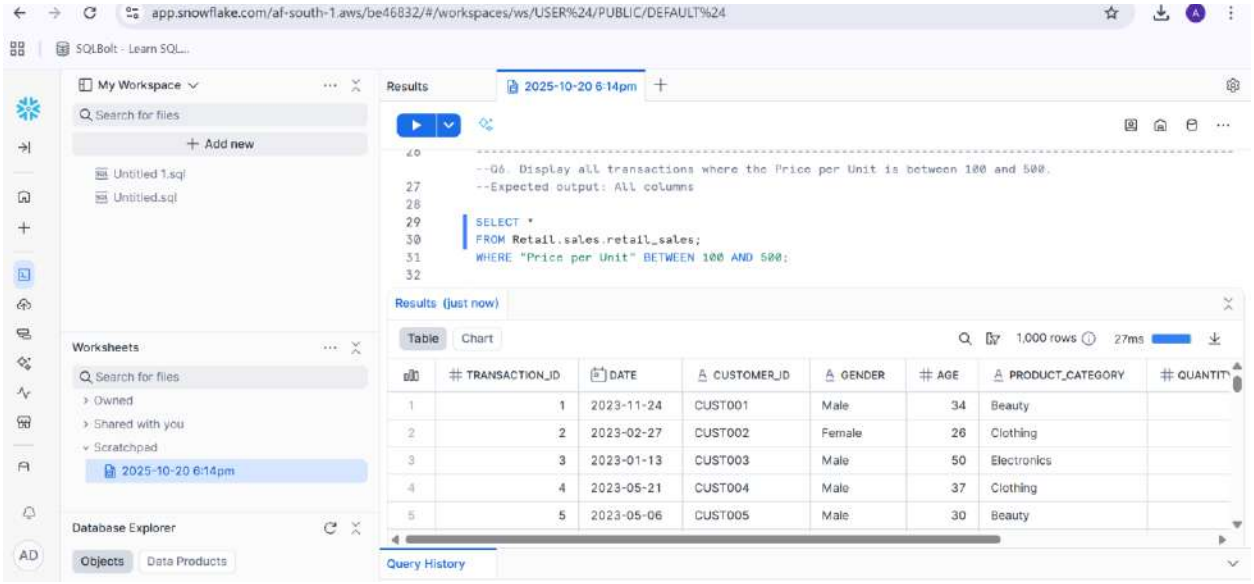
Results
2025-10-20 6:14pm
--Q4. Display all the distinct gender values in the dataset.
--Expected output: Gender
SELECT DISTINCT gender
FROM Retail.sales.retail_sales;
Results (just now)
Table
Chart
2 rows
431ms
GENDER
Male
Female

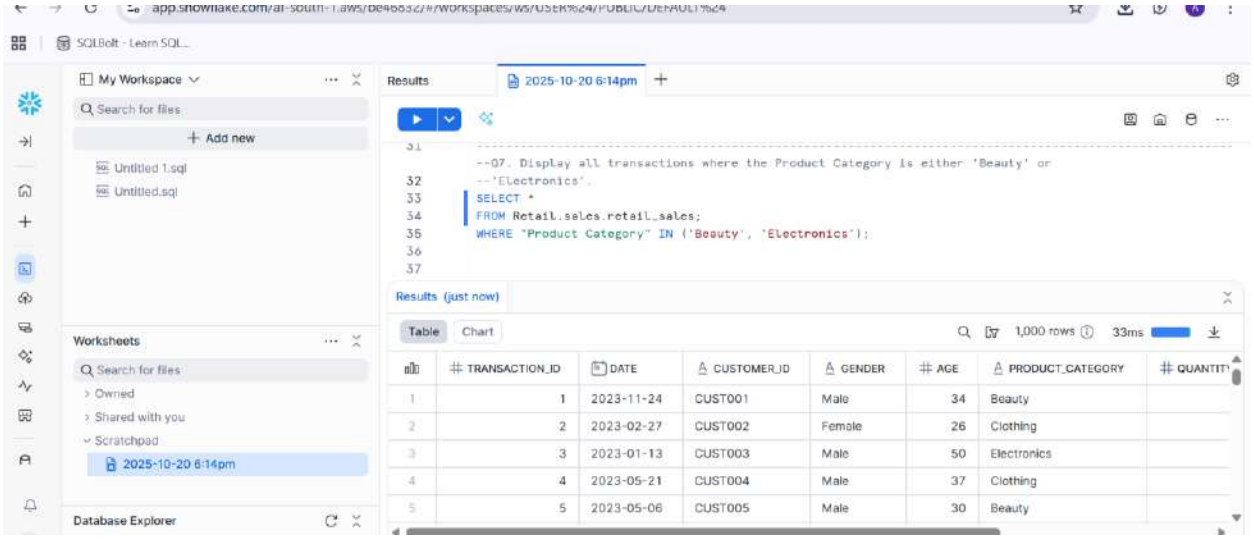
Question 5:



Question 6:



Question 7:



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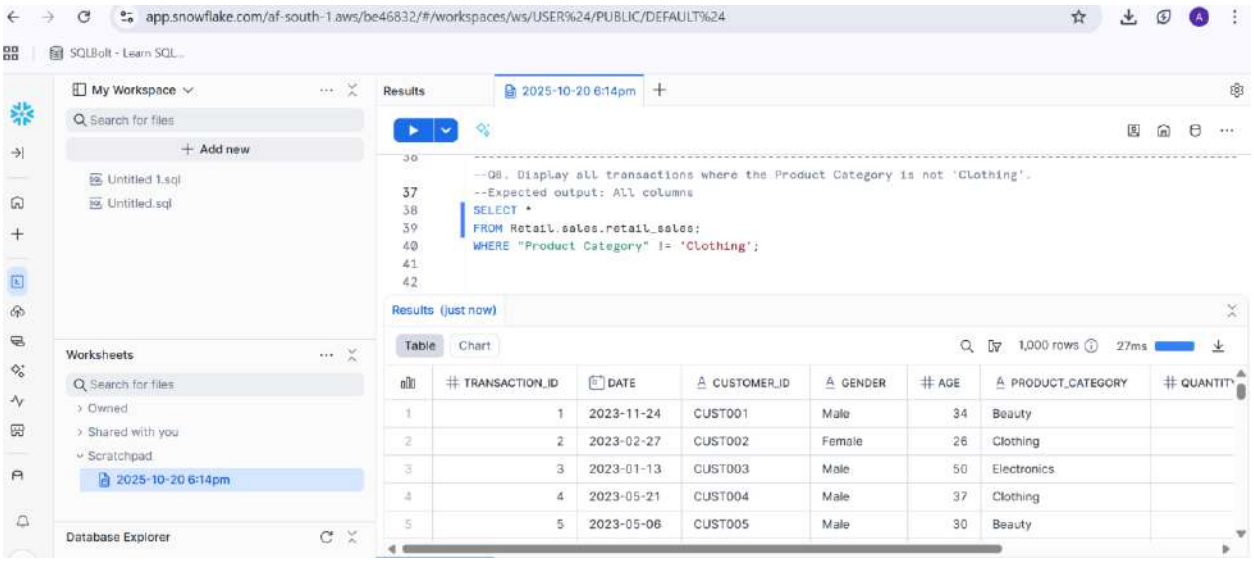
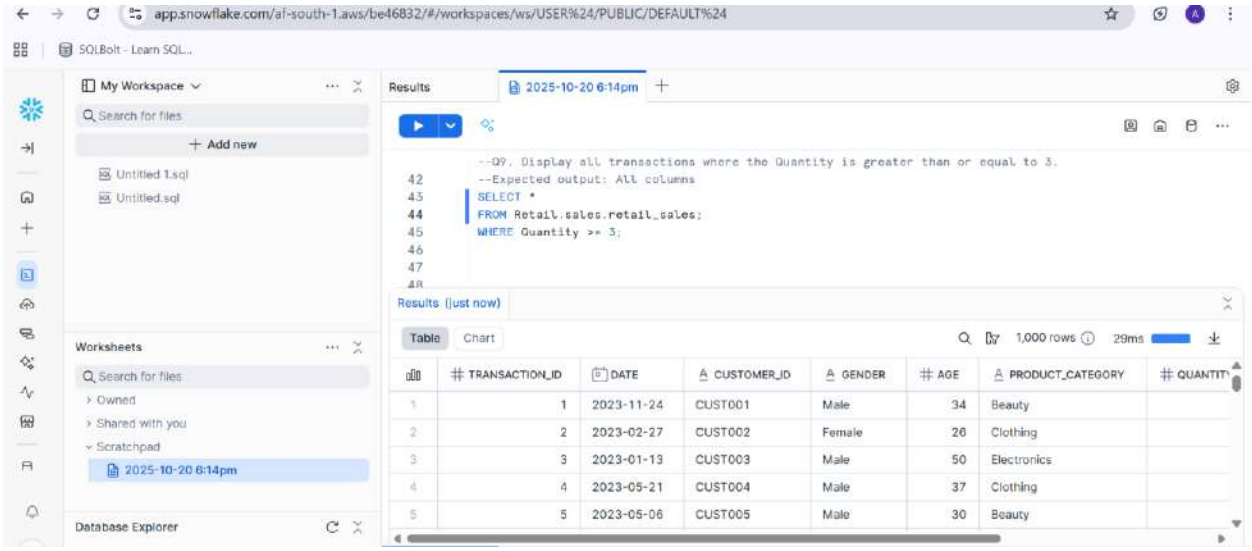


Question 9: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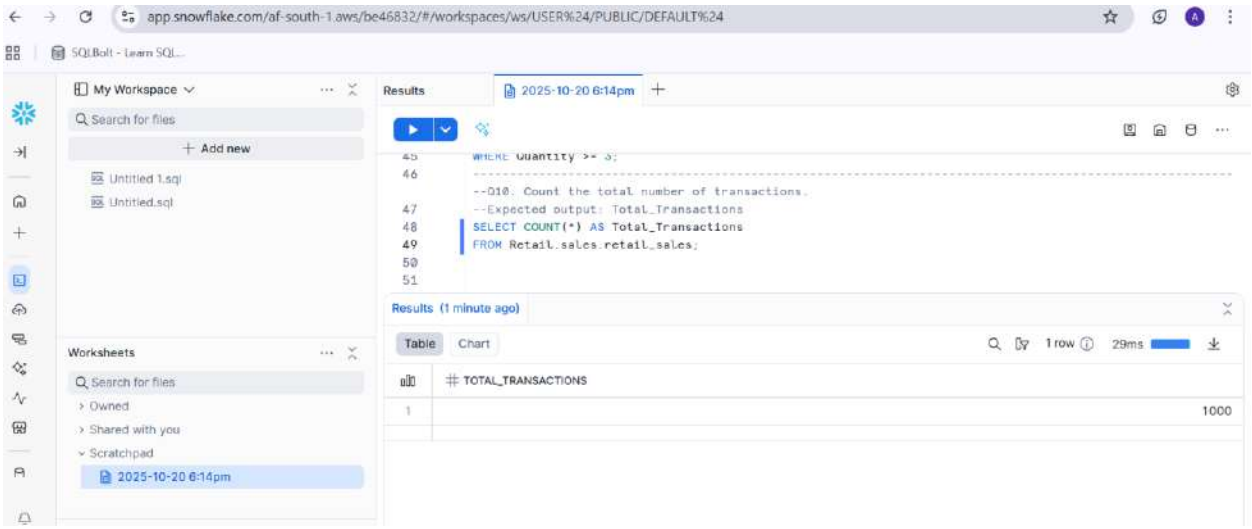
Database Explorer
Results
2025-10-20 6:14pm
--Q9. Display all transactions where the Quantity is greater than or equal to 3.
--Expected output: All columns
SELECT *
FROM Retail.sales.retail_sales;
WHERE Quantity >= 3;
Results (just now)
Table
Chart
1,000 rows
29ms
TRANSACTION_ID
DATE
CUSTOMER_ID
GENDER
AGE
PRODUCT_CATEGORY
QUANTITY
1 2023-11-24 CUST001 Male 34 Beauty
2 2023-02-27 CUST002 Female 26 Clothing
3 2023-01-13 CUST003 Male 50 Electronics
4 2023-05-21 CUST004 Male 37 Clothing
5 2023-05-06 CUST005 Male 30 Beauty

Question 10: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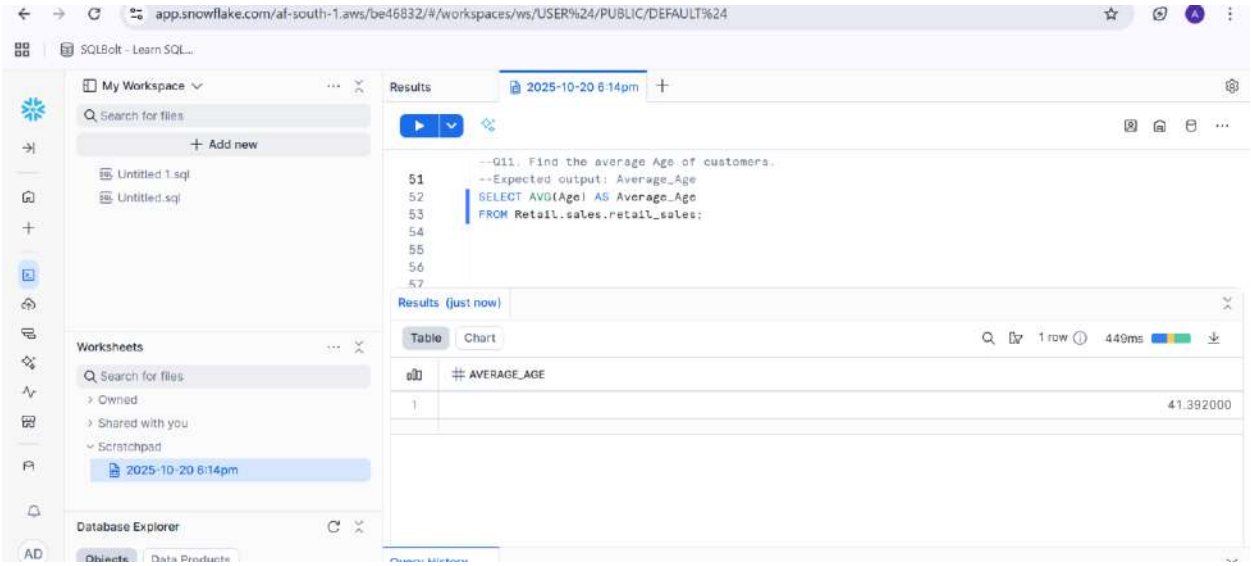
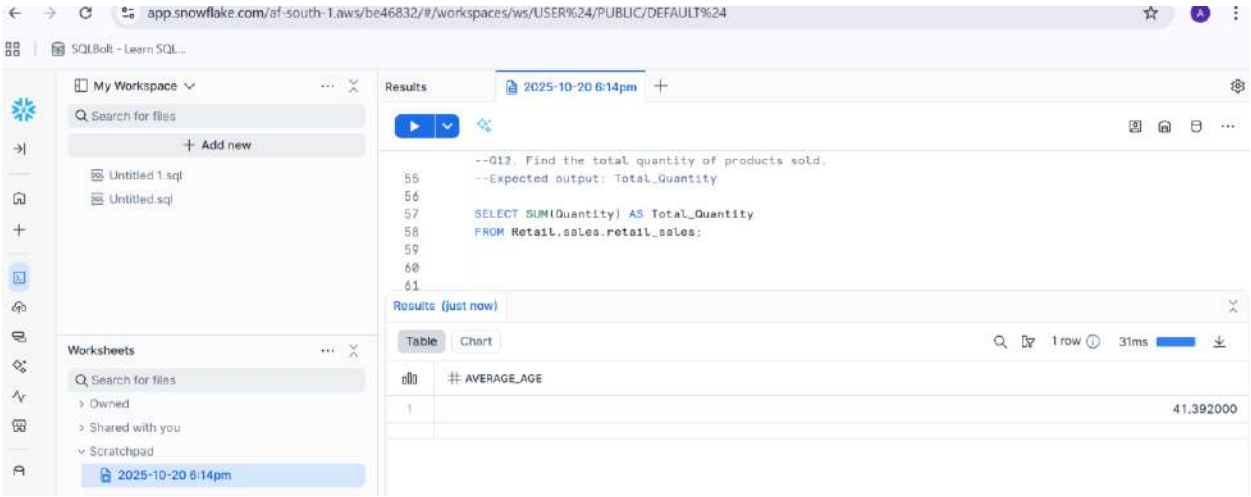
2025-10-20 6:14pm
Results
2025-10-20 6:14pm
WHERE Quantity >= 3;
--Q10. Count the total number of transactions.
--Expected output: Total_Transactions
SELECT COUNT(*) AS Total_Transactions
FROM Retail.sales.retail_sales;
Results (1 minute ago)
Table
Chart
1 row
29ms
TOTAL_TRANSACTIONS
1 1000

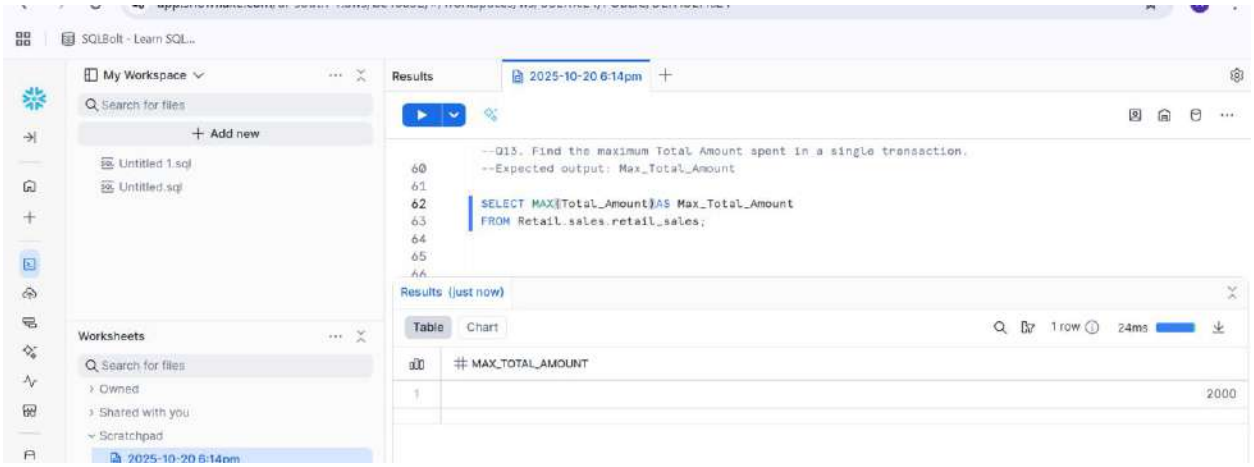
Question 11:



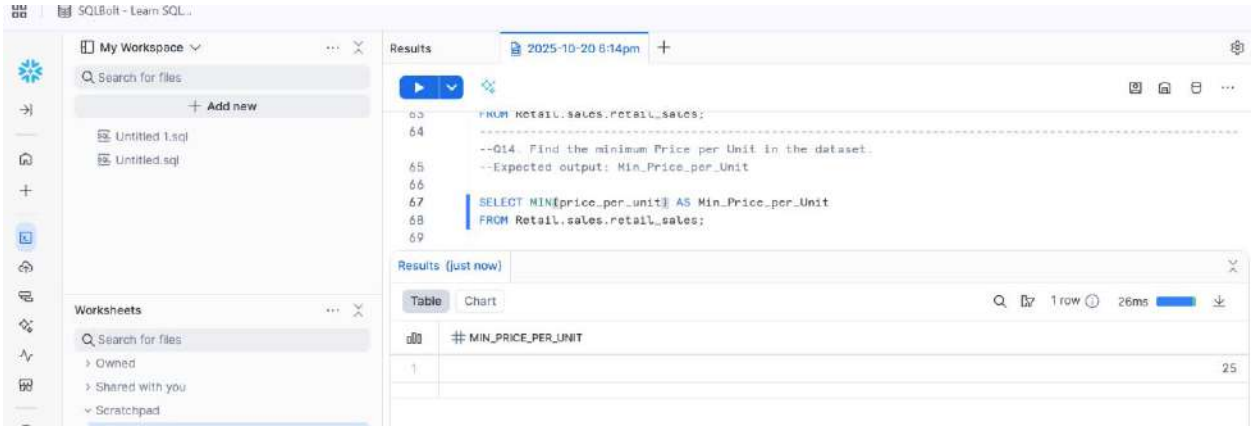
Question 12:



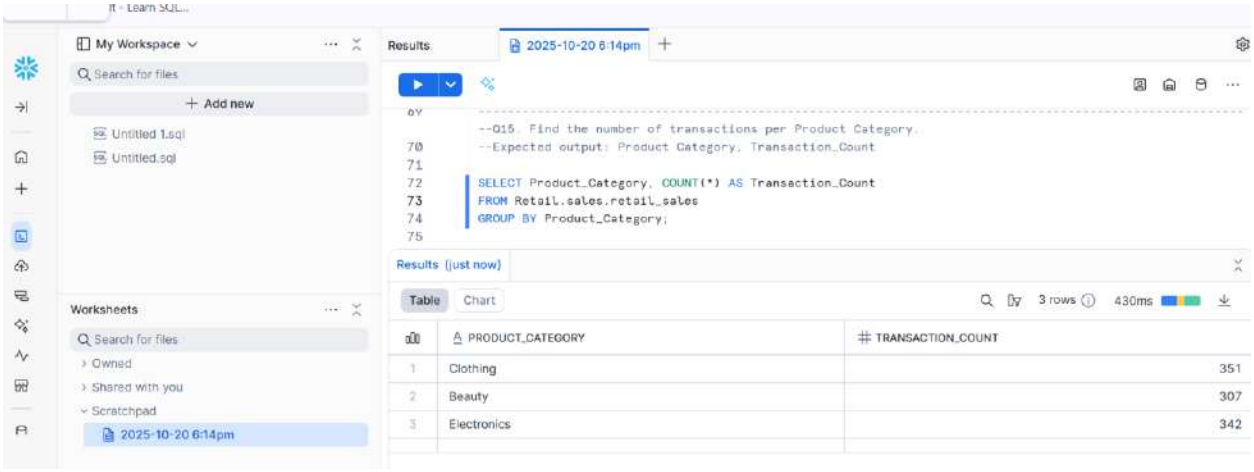
Question 13:



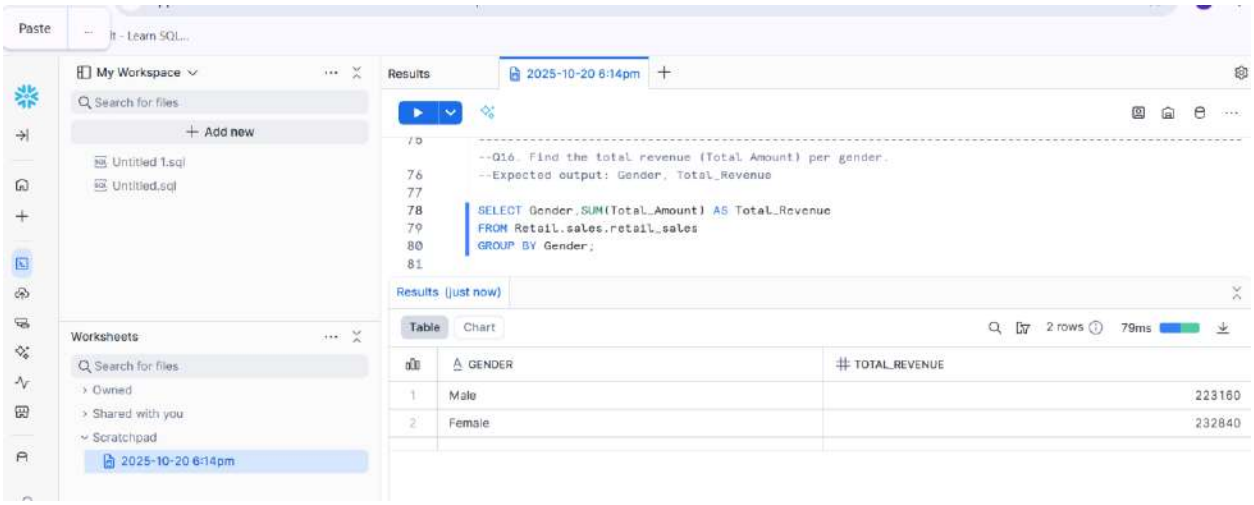
Question 14:



Question 15:



Question 16:



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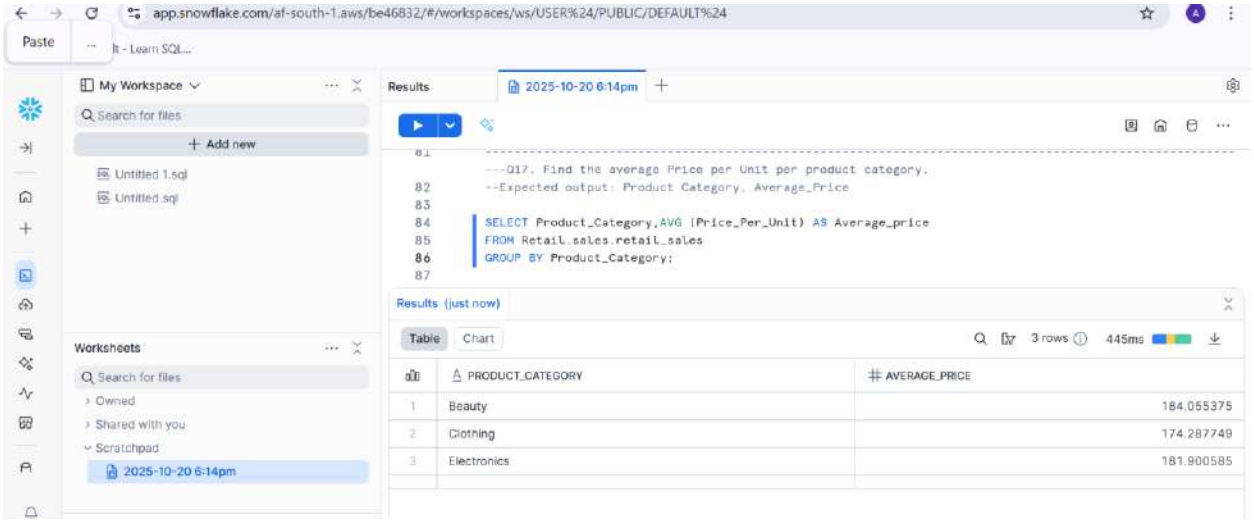

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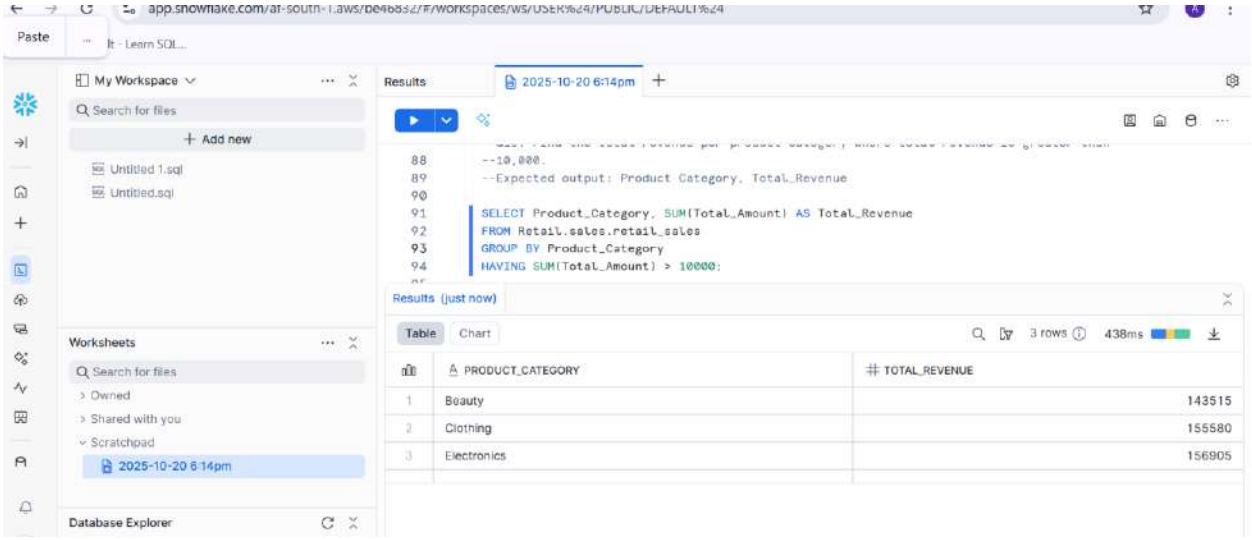
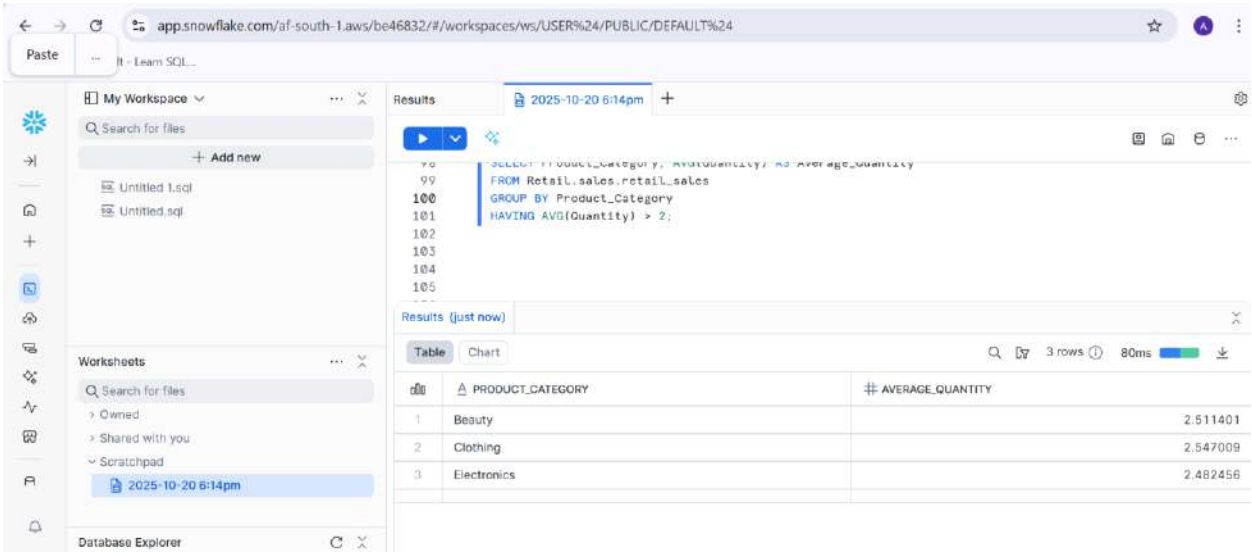
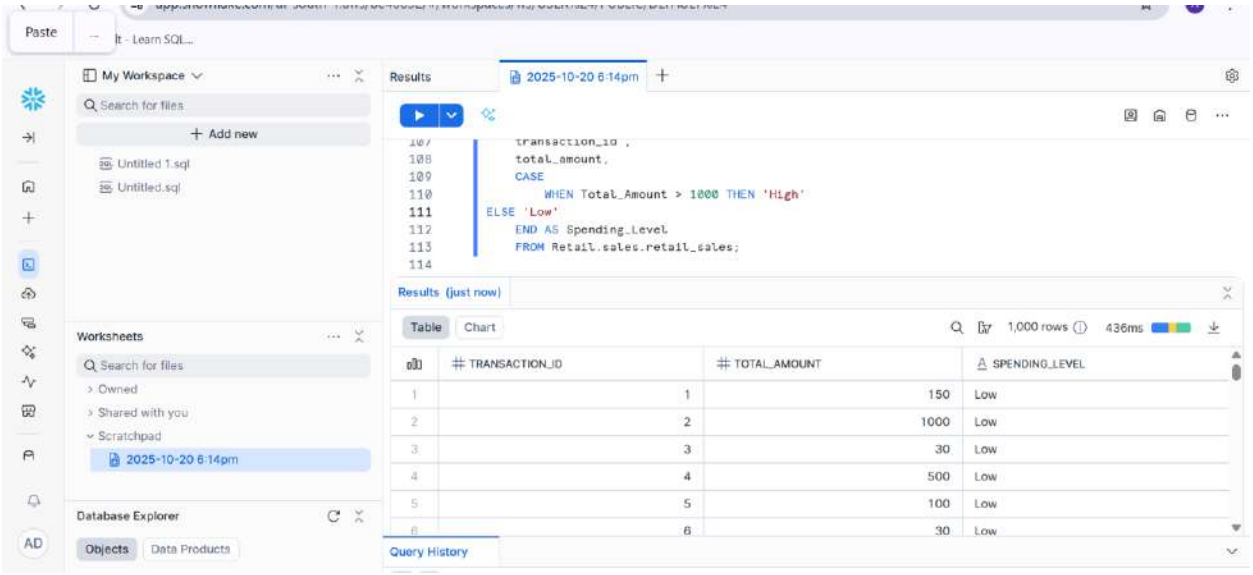


Question 19:



Question 20: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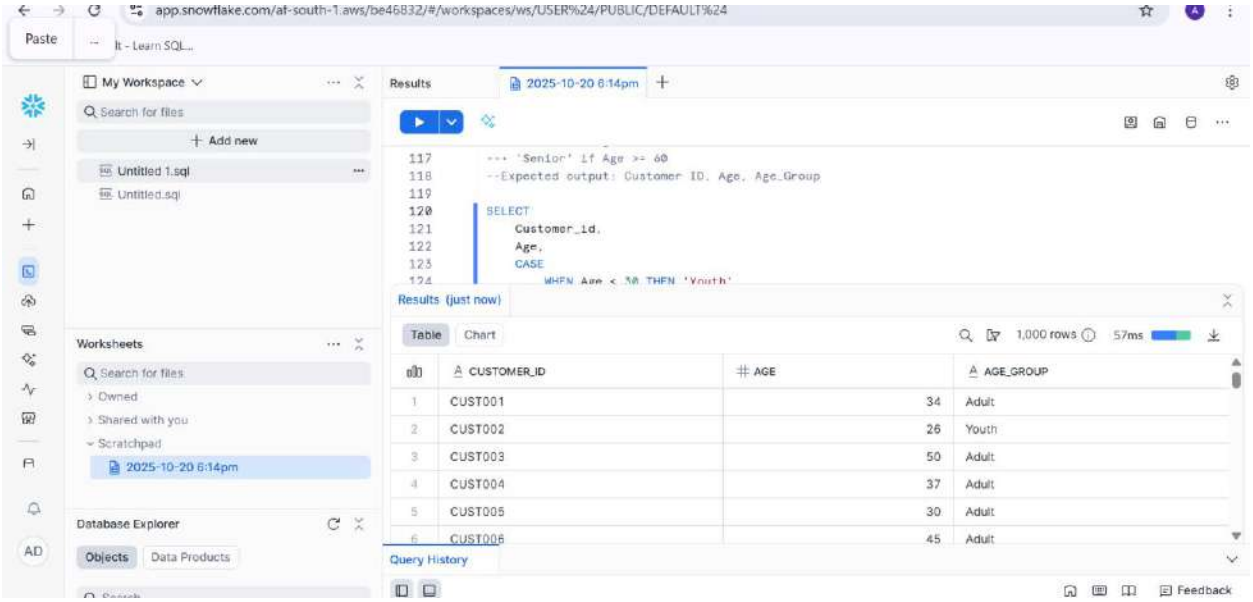
Database Explorer
Objects
Data Products
Results
2025-10-20 6:14pm
transaction_id ,
total_amount,
CASE
WHEN Total_Amount > 1000 THEN 'High'
ELSE 'Low'
END AS Spending_Level
FROM Retail.sales.retail_sales;
Results (just now)
Table
Chart
1,000 rows
436ms
TRANSACTION_ID
TOTAL_AMOUNT
SPENDING_LEVEL
1 1 150 Low
2 2 1000 Low
3 3 30 Low
4 4 500 Low
5 5 100 Low
6 6 30 Low
Query History

Question 21: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Untitled.sql
Worksheets
Search for files
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Shared with you
Scratchpad
2025-10-20 6:14pm
Database Explorer
Objects
Data Products
Results
2025-10-20 6:14pm
--> 'Senior' if Age >= 60
--Expected output: Customer ID, Age, Age_Group
SELECT
Customer_id,
Age,
CASE
Results (just now)
Table
Chart
1,000 rows
57ms
CUSTOMER_ID
AGE
AGE_GROUP
1 CUST001 34 Adult
2 CUST002 26 Youth
3 CUST003 50 Adult
4 CUST004 37 Adult
5 CUST005 30 Adult
6 CUST006 45 Adult
Query History
Feedback