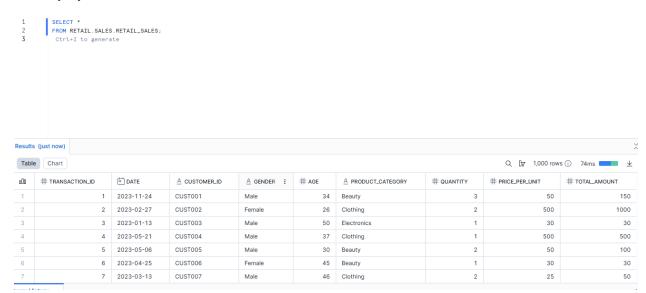
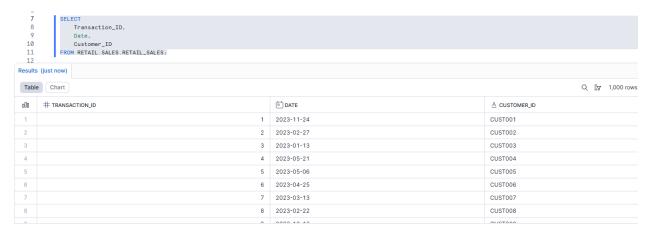
Belinda Thando Mhlanga

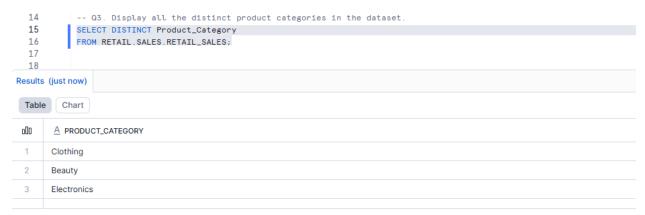
Practical 1 - SQL Fundamentals (Snowflake-Basic SQL Syntax) Questions

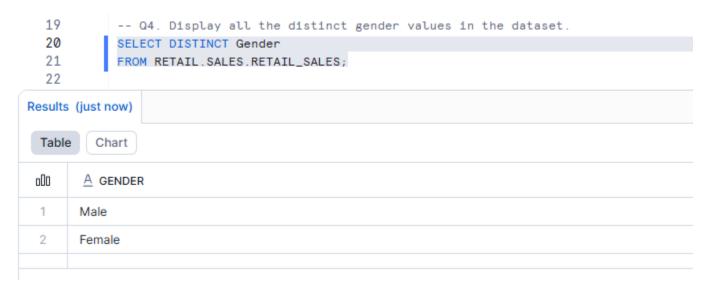
Q1. Display all columns for all transactions.



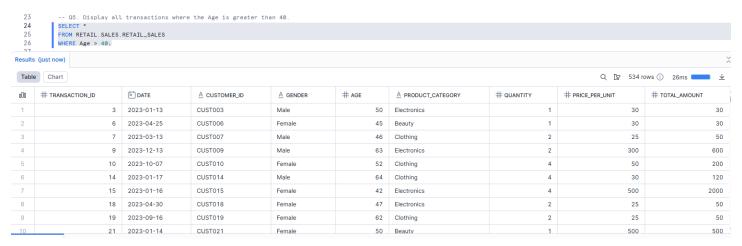
Question 2.

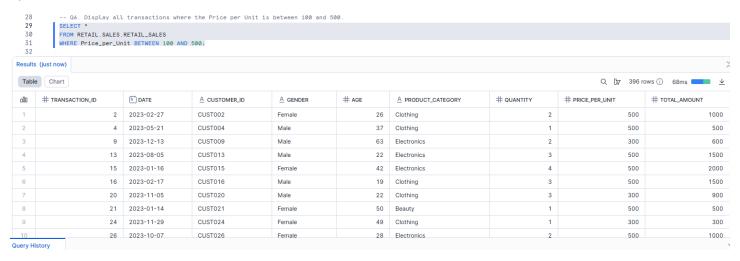


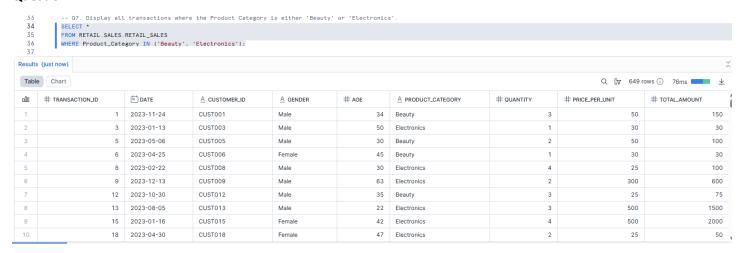




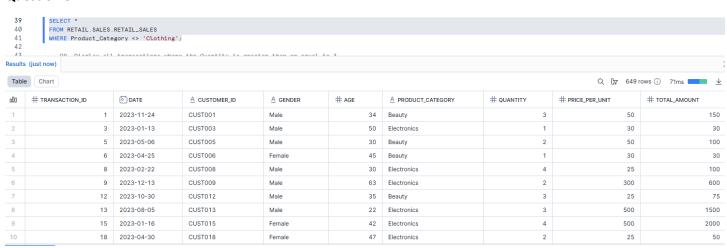
Question 5

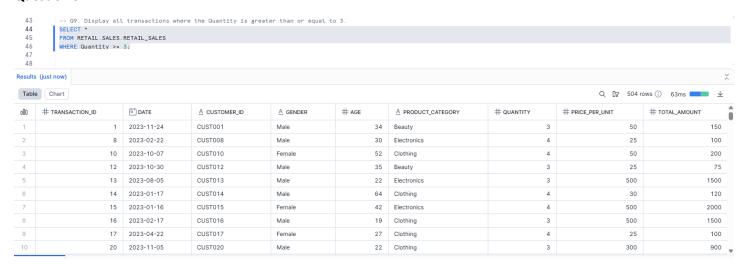






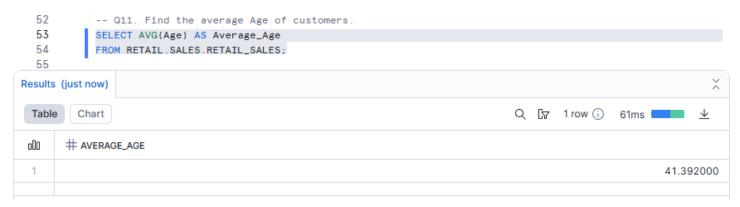
Question 8







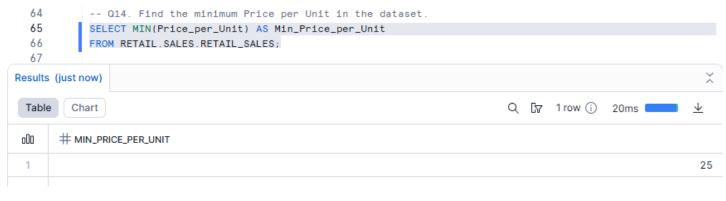
Question 11



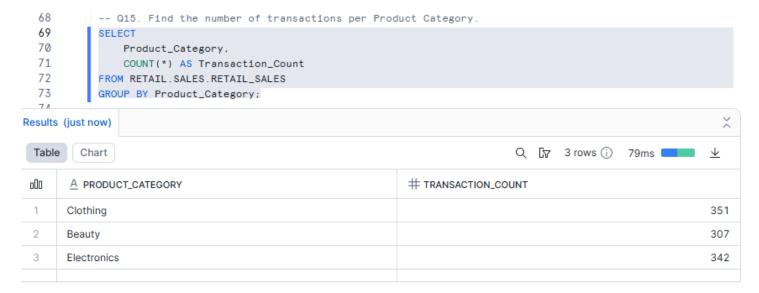
Question 12



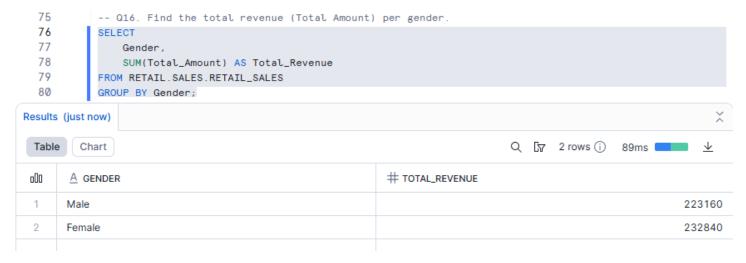


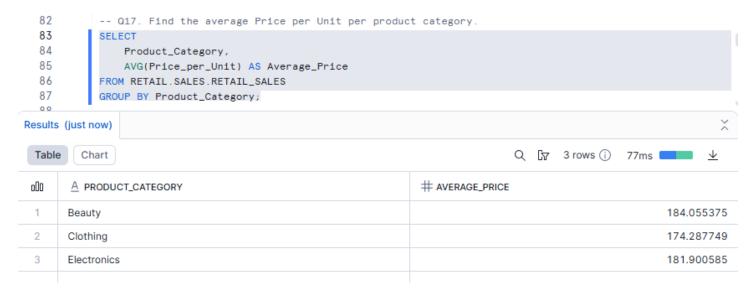


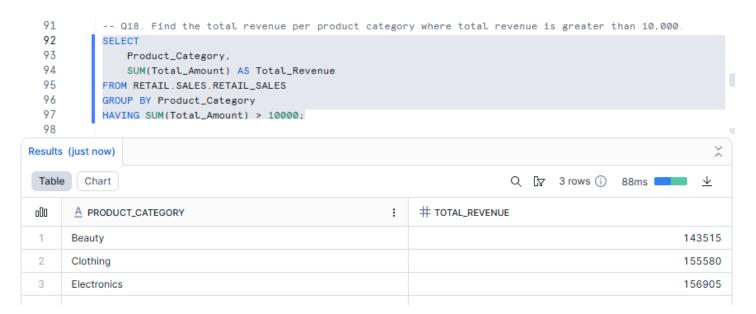
Question 15

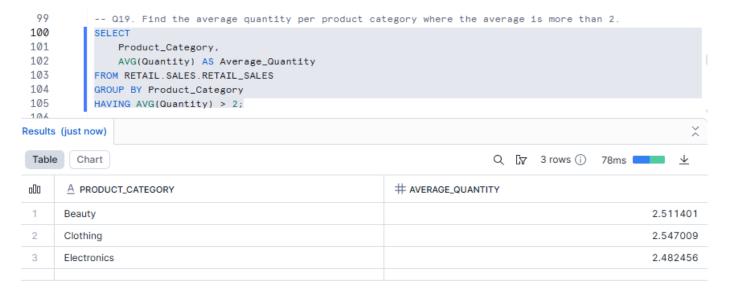


Question 16









```
110
           -- Q20. Display a column called Spending_Level that shows 'High' if Total Amount > 1000, otherwise 'Low'
  111
  112
                Transaction_ID,
  113
                Total_Amount,
  114
                CASE
  115
                    WHEN Total_Amount > 1000 THEN 'High'
  116
                    ELSE 'Low'
  117
                END AS Spending_Level
  118
             FROM RETAIL.SALES.RETAIL_SALES;
  119
Results (just now)
                                                                                               Q [7 1,000 rows (i) 76ms
                                                                                                                                  \overline{\psi}
 Table
        Chart
                                                                                                                                     .
        # TRANSACTION_ID
                                              ÷
                                                  # TOTAL_AMOUNT
                                                                                            A SPENDING_LEVEL
 000
                                                                                                                                     .
  1
                                              1
                                                                                     150
                                                                                           Low
  2
                                              2
                                                                                    1000
                                                                                           Low
  3
                                              3
                                                                                      30
                                                                                           Low
  4
                                              4
                                                                                     500
                                                                                           Low
  5
                                              5
                                                                                     100
                                                                                           Low
                                              6
  6
                                                                                      30
                                                                                           Low
  7
                                              7
                                                                                      50
                                                                                           Low
Ouani Histori
```

Question 21

Results (1 minute ago)

```
120
          -- Q21. Display a new column called Age_Group that labels customers as:
121
         -- 'Youth' if Age < 30
         -- 'Adult' if Age is between 30 and 59
122
123
         -- 'Senior' if Age >= 60
124
        SELECT
125
           Customer_ID,
126
             Age,
127
             CASE
128
                WHEN Age < 30 THEN 'Youth'
129
                WHEN Age BETWEEN 30 AND 59 THEN 'Adult'
130
                WHEN Age >= 60 THEN 'Senior'
131
            END AS Age_Group
132
        FROM RETAIL.SALES.RETAIL_SALES;
```

Table Chart			Q [7 1,000 rows (j) 76ms	<u> </u>
oO0	# TRANSACTION_ID	# TOTAL_AMOUNT	A 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	