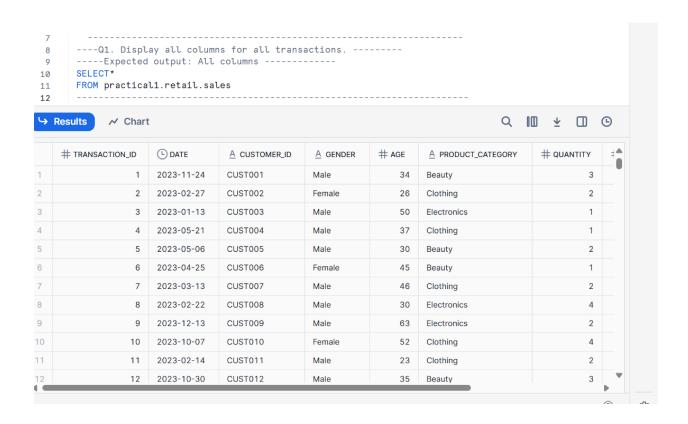
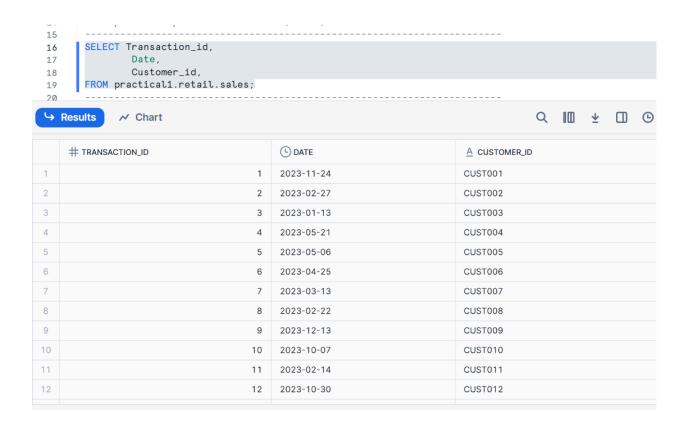
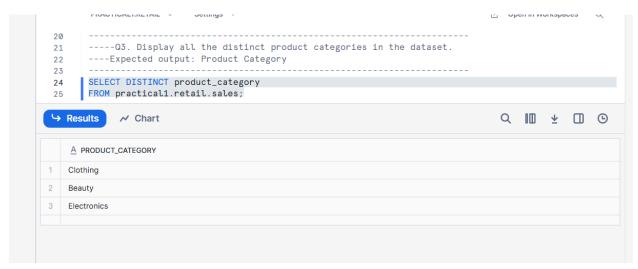
Nonhlanhla Msimango

Practical 1

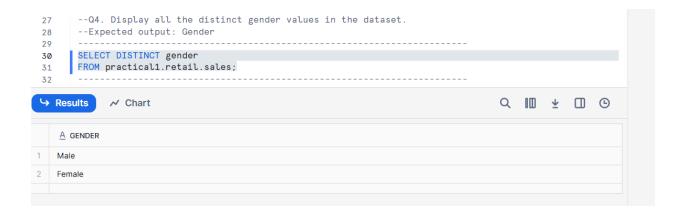
Question 1

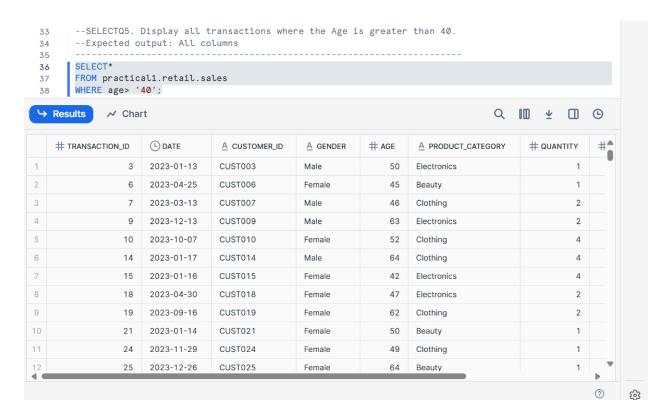






Question4



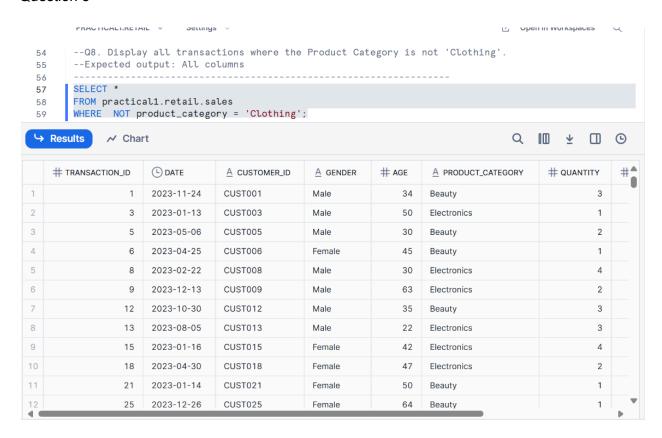


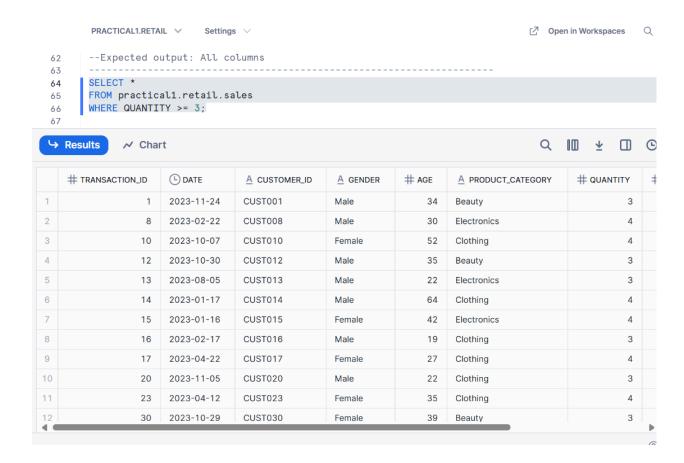
```
40
         --Q6. Display all transactions where the Price per Unit is between 100 and 500.
         --Expected output: All columns
 41
 42
 43
       SELECT *
         FROM practical1.retail.sales
 44
         WHERE price_per_unit BETWEEN 100 AND 500;
 45
 → Results
                                                                                                  Q [[

✓ Chart

                                                                                                             \underline{\Psi}
                                                                                                                  (L)
                                                                                                                        #6
     # TRANSACTION_ID
                        L DATE
                                        A CUSTOMER_ID
                                                          \underline{\mathsf{A}} GENDER
                                                                       # AGE
                                                                                  A PRODUCT_CATEGORY
                                                                                                         # QUANTITY
                         2023-02-27
                                       CUST002
                                                                                                                    2
                    2
                                                         Female
                                                                            26
                                                                                 Clothing
                        2023-05-21
                                       CUST004
                                                                            37
                                                                                 Clothing
                                                                                                                    1
                    4
                                                         Male
                        2023-12-13
                                       CUST009
3
                    9
                                                          Male
                                                                            63
                                                                                 Electronics
                                                                                                                    2
                   13
                        2023-08-05
                                       CUST013
                                                          Male
                                                                            22
                                                                                 Electronics
                                                                                                                    3
5
                   15
                        2023-01-16
                                       CUST015
                                                         Female
                                                                            42
                                                                                 Electronics
                                                                                                                    4
                                       CUST016
                                                                                 Clothing
                        2023-02-17
                                                         Male
                                                                            19
6
                   16
                                                                                                                    3
                        2023-11-05
                                                                                 Clothing
                   20
                                       CUST020
                                                                            22
                                                         Male
                                                                                                                    3
8
                   21
                        2023-01-14
                                       CUST021
                                                          Female
                                                                            50
                                                                                 Beauty
                        2023-11-29
                                       CUST024
                                                          Female
                                                                            49
                                                                                 Clothing
                   26
                        2023-10-07
                                       CUST026
                                                                            28
                                                                                 Electronics
                                                                                                                    2
                                                         Female
11
                   28
                        2023-04-23
                                       CUST028
                                                                                 Beauty
                                                         Female
                                                                            43
                                                                                                                    1
                   30
                        2023-10-29
                                       CUST030
                                                                            39
                                                                                                                   3
                                                         Female
                                                                                 Beauty
```

# TRANSACTION_ID	L DATE	A CUSTOMER_ID	A GENDER	# AGE	A PRODUCT_CATEGORY	# QUANTITY	=
2	2023-02-27	CUST002	Female	26	Clothing	2	
4	2023-05-21	CUST004	Male	37	Clothing	1	
9	2023-12-13	CUST009	Male	63	Electronics	2	
13	2023-08-05	CUST013	Male	22	Electronics	3	
15	2023-01-16	CUST015	Female	42	Electronics	4	
16	2023-02-17	CUST016	Male	19	Clothing	3	
20	2023-11-05	CUST020	Male	22	Clothing	3	
21	2023-01-14	CUST021	Female	50	Beauty	1	
24	2023-11-29	CUST024	Female	49	Clothing	1	
26	2023-10-07	CUST026	Female	28	Electronics	2	
28	2023-04-23	CUST028	Female	43	Beauty	1	
30	2023-10-29	CUST030	Female	39	Beauty	3	





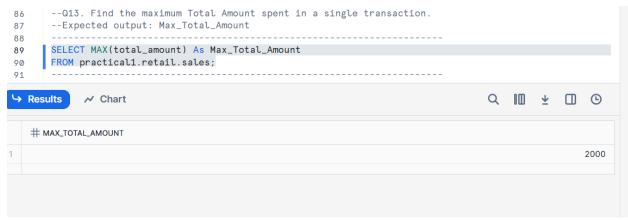


Question 11

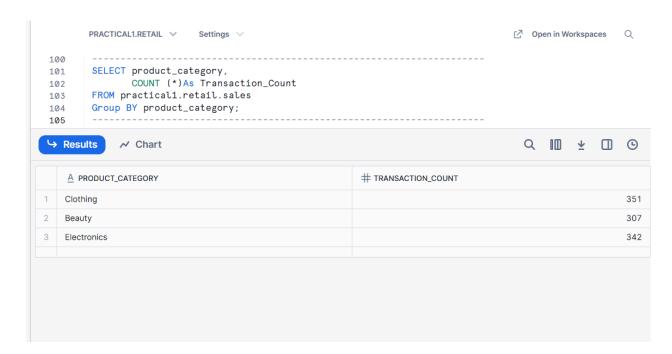
```
---Q11. Find the average Age of customers.
--Expected output: Average_Age
 74
 75
 76
 77
      SELECT AVG(age) As avg_age
      FROM practical1.retail.sales;
 78
 79
 → Results
                                                                                 Q III ± II (9)

✓ Chart

   # AVG_AGE
                                                                                              41.392000
Question 12
        --Q12. Find the total quantity of products sold.
 80
 81
       --Expected output: Total_Quantity
 82
 83 SELECT SUM(quantity) As total_quanity
     FROM practical1.retail.sales;
 84
 85
 Q III ± II (9
    # TOTAL_QUANITY
                                                                                                   2514
```



Question 15

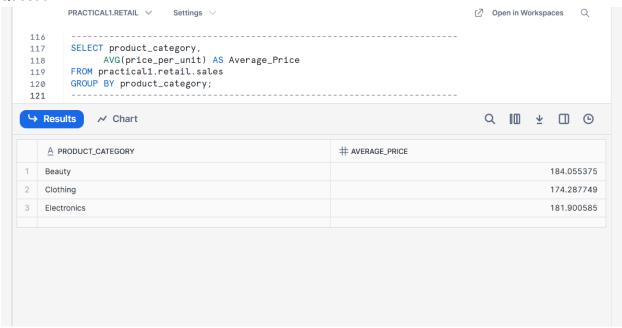


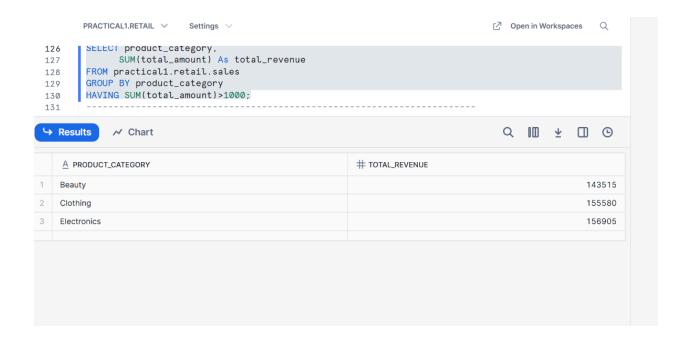
```
108
109
      SELECT gender,
            SUM(Total_Amount) As Total_Revenue
110
       FROM practical1.retail.sales
111
       GROUP BY gender;
112
113

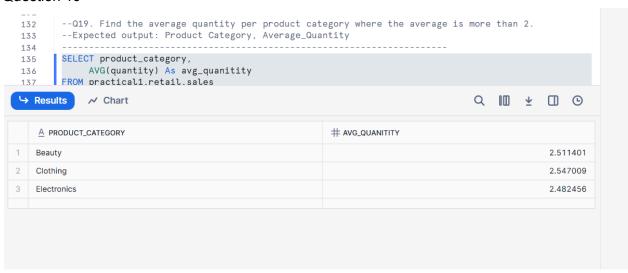
→ Results

✓ Chart

                                                                                    Q III ± II (9)
   A GENDER
                                                    # TOTAL_REVENUE
                                                                                                   223160
  Male
                                                                                                   232840
  Female
```







```
FROM practicall.retail.sales
137
       GROUP BY product_category
138
      HAVING AVG(quantity)>2;
139
140
141
142
→ Results

✓ Chart

                                                                                     Q III ± II (9)
   A PRODUCT_CATEGORY
                                                          # AVG_QUANITITY
                                                                                                    2.511401
  Beauty
  Clothing
                                                                                                    2.547009
                                                                                                    2.482456
  Electronics
```

