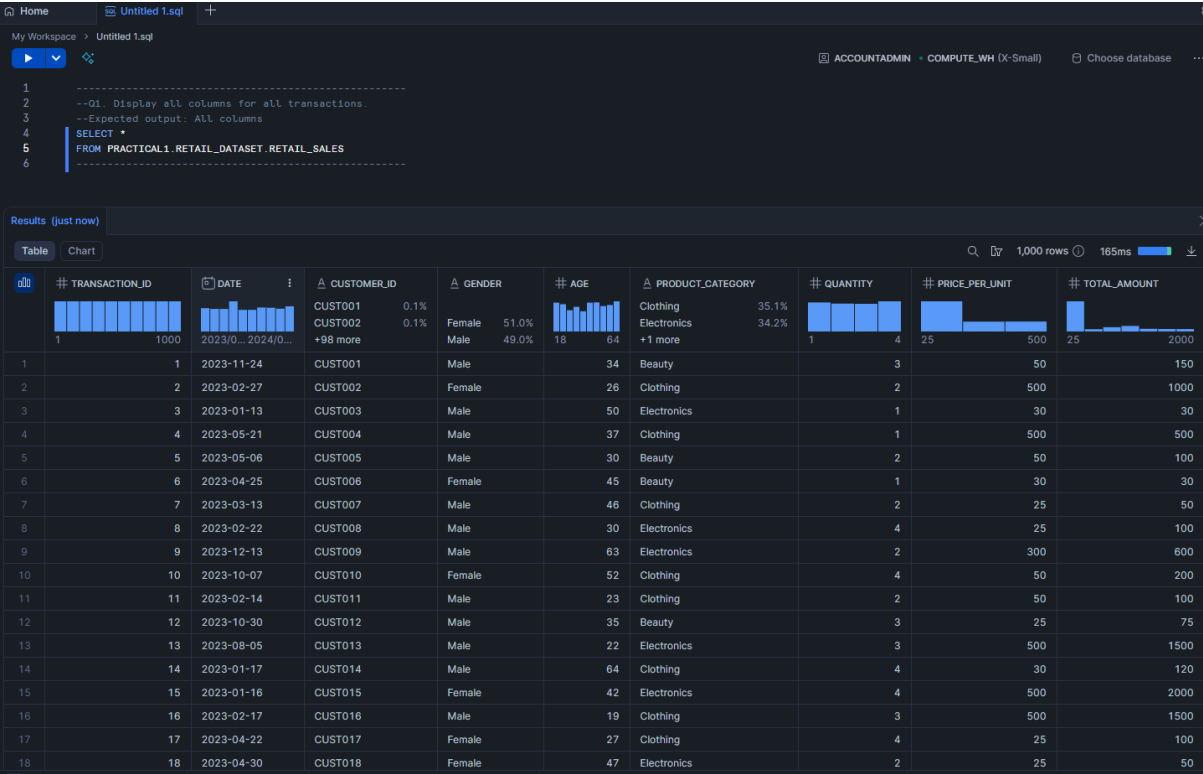
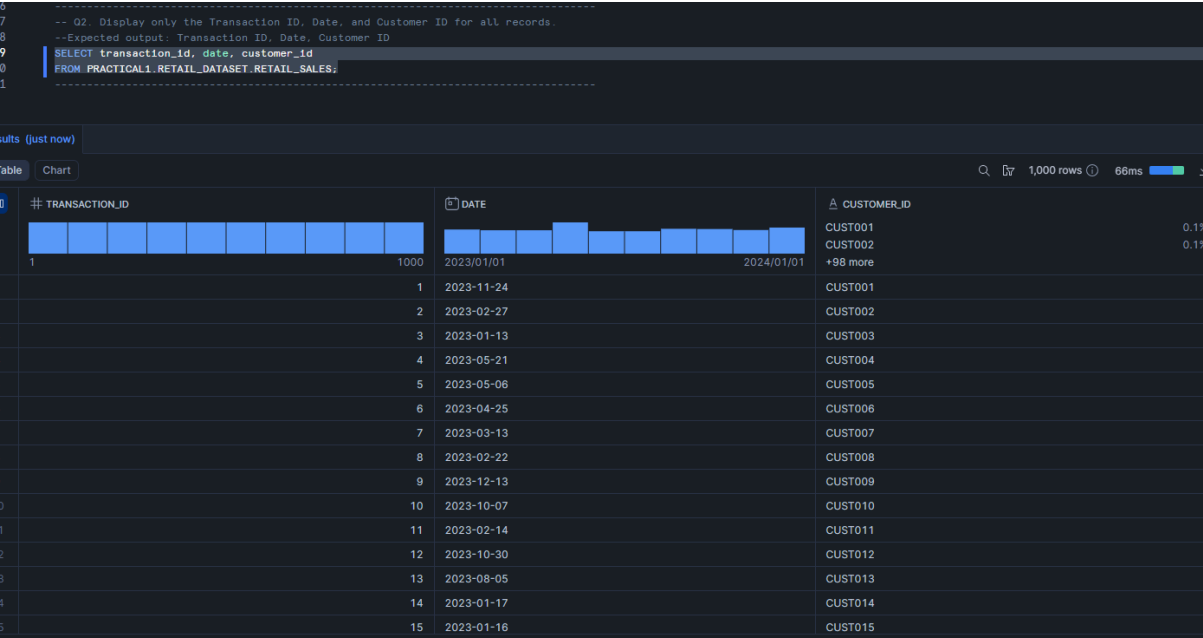


Practical 1

Question 1



Question 2



Question 3

11-----
12-- Q3. Display all the distinct product categories in the dataset.
13-- Expected output: Product Category
14SELECT DISTINCT product_category
15FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
16
17-----

Results (just now)

TableChart

3 rows430ms

PRODUCT_CATEGORY

1Clothing

2Beauty

3Electronics

Question 4

17-----
18--Q4. Display all the distinct gender values in the dataset.
19--Expected output: Gender
20SELECT DISTINCT gender
21FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
22-----

Results (just now)

TableChart

2 rows77ms

GENDER

1Male

2Female

Question 5

22-----
23-- Q5. Display all transactions where the Age is greater than 40.
24--Expected output: All columns
25SELECT *
26FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES
27WHERE age > 40;
28-----

Results (just now)

TableChart

534 rows74ms

TRANSACTION_ID

DATE

CUSTOMER_ID

GENDER

AGE

PRODUCT_CATEGORY

QUANTITY

PRICE_PER_UNIT

TOTAL_AMOUNT

31000

2023/0... 2024/0...

CUST003 0.2%
CUST006 0.2%
+98 more

Female 51.3%
Male 48.7%

4164

Clothing 36.3%
Electronics 34.8%
+1 more

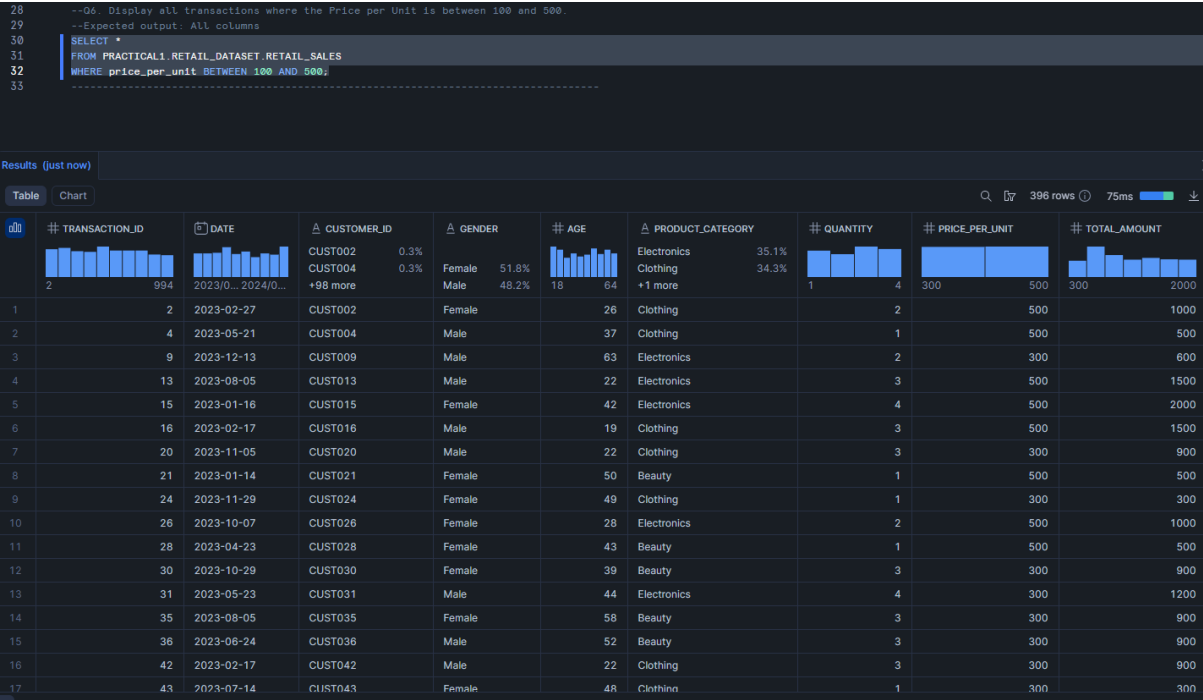
14

25500

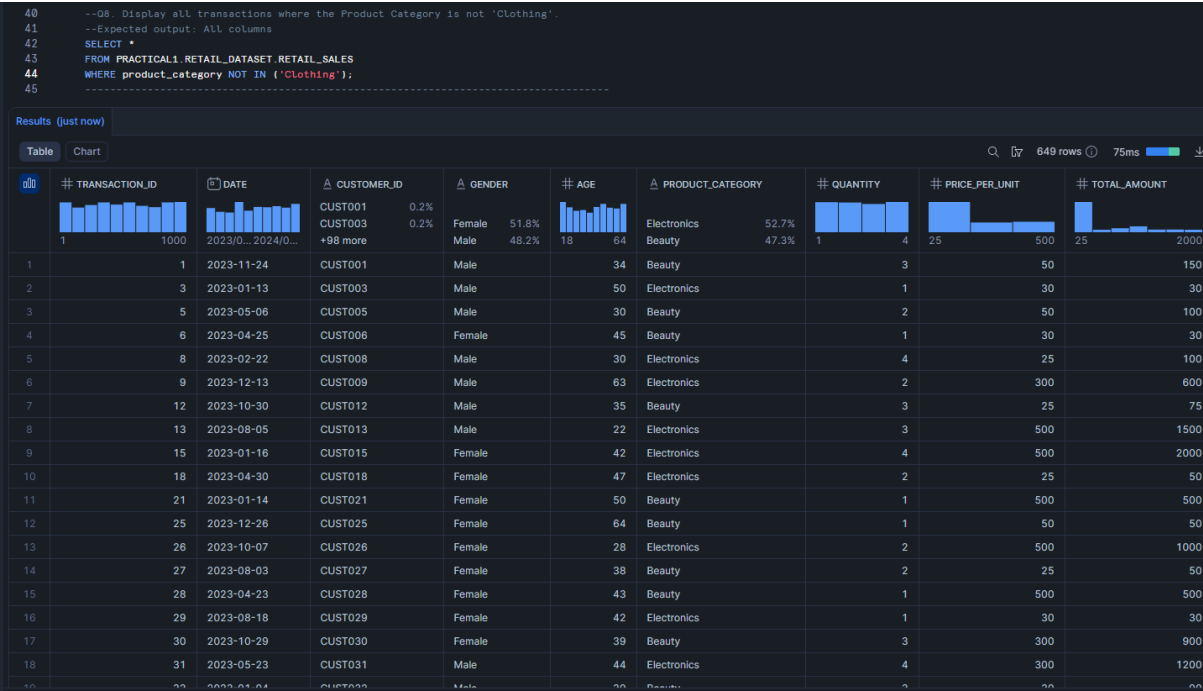
252000

1	3	2023-01-13	CUST003	Male	50	Electronics	1	30	30
2	6	2023-04-25	CUST006	Female	45	Beauty	1	30	30
3	7	2023-03-13	CUST007	Male	46	Clothing	2	25	50
4	9	2023-12-13	CUST009	Male	63	Electronics	2	300	600
5	10	2023-10-07	CUST010	Female	52	Clothing	4	50	200
6	14	2023-01-17	CUST014	Male	64	Clothing	4	30	120
7	15	2023-01-16	CUST015	Female	42	Electronics	4	500	2000
8	18	2023-04-30	CUST018	Female	47	Electronics	2	25	50
9	19	2023-09-16	CUST019	Female	62	Clothing	2	25	50
10	21	2023-01-14	CUST021	Female	50	Beauty	1	500	500
11	24	2023-11-29	CUST024	Female	49	Clothing	1	300	300
12	25	2023-12-26	CUST025	Female	64	Beauty	1	50	50
13	28	2023-04-23	CUST028	Female	43	Beauty	1	500	500
14	29	2023-08-18	CUST029	Female	42	Electronics	1	30	30
15	31	2023-05-23	CUST031	Male	44	Electronics	4	300	1200
16	33	2023-03-23	CUST033	Female	50	Electronics	2	50	100

Question 6



Question 8



Question 10

```
52 --Q10. Count the total number of transactions.
53 --Expected output: Total_Transactions
54 SELECT Count(transaction_id) AS Total_Transactions
55 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
56
57 -----
58
59
60
```

Results (just now)

Table Chart

1 row 29ms

	# TOTAL_TRANSACTIONS
1	1000

Question 11

```
57 --Q11. Find the average Age of customers.
58 --Expected output: Average_Age
59 SELECT AVG(age) AS Average_Age
60 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
61
62 -----
63
64
65
```

Results (just now)

Table Chart

1 row 69ms

	# AVERAGE_AGE
1	41.392000

Question 12

```
62 --Q12. Find the total quantity of products sold.
63 --Expected output: Total_Quantity
64 SELECT SUM(quantity) AS Total_Quantity
65 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
66
67 -----
68
69
70
```

Results (just now)

Table Chart

1 row 67ms

	# TOTAL_QUANTITY
1	2514

Question 13

```
66 -----
67 --Q13: Find the maximum Total Amount spent in a single transaction.
68 --Expected output: Max_Total_Amount
69 SELECT MAX(total_amount) AS Max_Total_Amount
70 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
71
```

Results (just now)

Table Chart

1 row 38ms

#	MAX_TOTAL_AMOUNT
1	2000

Question 14

```
71 -----
72 --Q14: Find the minimum Price per Unit in the dataset.
73 --Expected output: Min_Price_per_Unit
74 SELECT MIN(total_amount) AS Max_Total_Amount
75 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES;
76 Ctrl+I to generate
```

Results (just now)

Table Chart

1 row 27ms

#	MAX_TOTAL_AMOUNT
1	25

Question 15

```
77 -----
78 --Q15: Find the number of transactions per Product Category.
79 --Expected output: Product Category, Transaction_Count
80 SELECT product_category,
81        Count(transaction_id) AS Transaction_Count
82 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES
83 GROUP BY product_category;
84
```

Results (just now)

Table Chart

3 rows 434ms

#	PRODUCT_CATEGORY	# TRANSACTION_COUNT
1	Beauty	307
2	Clothing	351
3	Electronics	342

Question 16

```
83 -----
84 --Q16: Find the total revenue (Total Amount) per gender.
85 --Expected output: Gender, Total_Revenue
86 SELECT gender,
87        SUM(total_amount) AS Total_Revenue
88 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES
89 GROUP BY gender;
90
```

Results (just now)

Table Chart

2 rows 75ms

#	GENDER	# TOTAL_REVENUE
1	Male	223160
2	Female	232840

Question 17

```
90 -----
91 --Q17. Find the average Price per Unit per product category.
92 --Expected output: Product Category, Average_Price
93 SELECT product_category,
94        AVG(price_per_unit) AS Average_Price
95 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES
96 GROUP BY product_category;
97 -----
```

Results (just now)

	PRODUCT_CATEGORY	AVERAGE_PRICE
1	Beauty	184.055375
2	Clothing	174.287749
3	Electronics	181.900585

Question 18

```
98 -----
99 --Q18. Find the total revenue per product category where total Revenue is greater
100 --than 10,000. Expected output: Product Category, Total_Revenue
101 SELECT product_category,
102        SUM(total_amount) AS Total_Revenue
103 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES
104 GROUP BY product_category
105 HAVING SUM(total_amount) > 10000;
106 -----
```

Results (just now)

	PRODUCT_CATEGORY	TOTAL_REVENUE
1	Beauty	143515
2	Clothing	155580
3	Electronics	156905

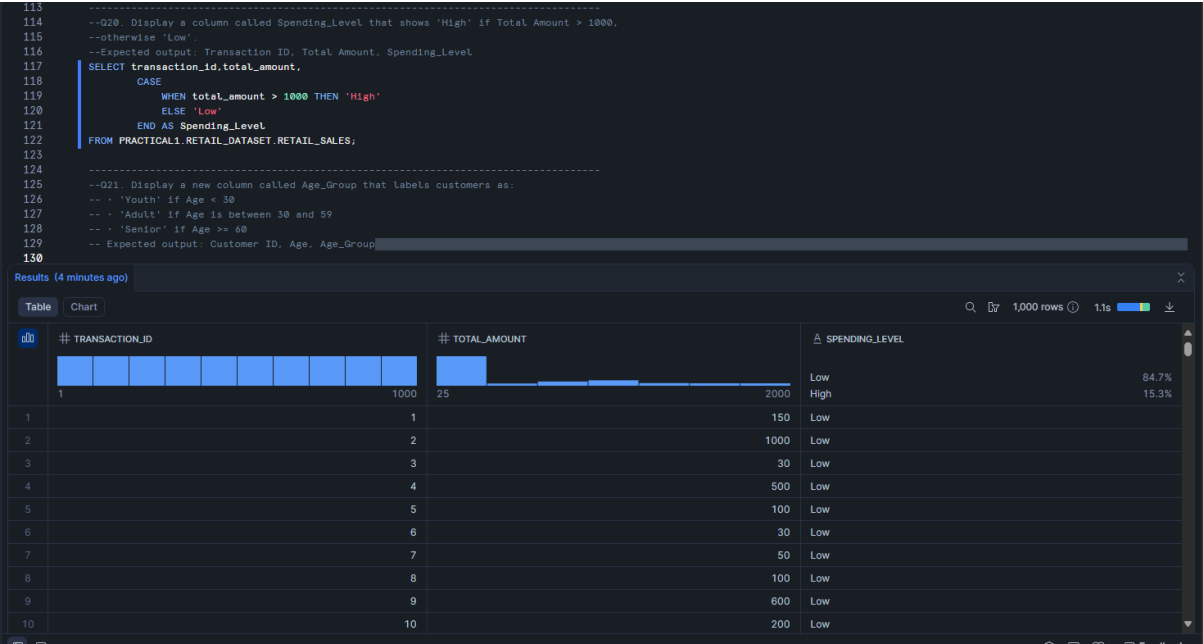
Question 19

```
107 -----
108 --Q19. Find the average quantity per product category where the average is more
109 --than 2. Expected output: Product Category, Average_Quantity
110 SELECT product_category,
111        AVG(quantity) AS Average_Quantity
112 FROM PRACTICAL1.RETAIL_DATASET.RETAIL_SALES
113 GROUP BY product_category
114 HAVING AVG(quantity) > 2;
115 -----
```

Results (1 minute ago)

	PRODUCT_CATEGORY	AVERAGE_QUANTITY
1	Beauty	2.511401
2	Clothing	2.547009
3	Electronics	2.482456

Question 20



Question 21

