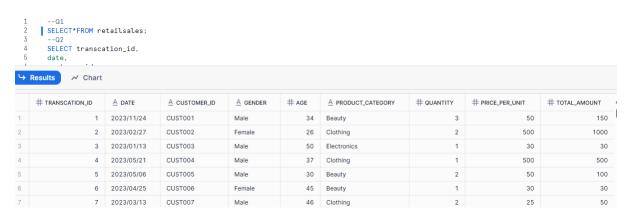
### Question 1:



### Question 2:

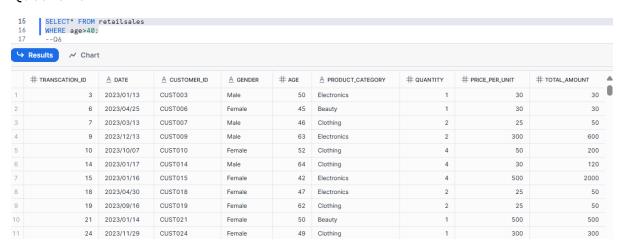


### Question 3:

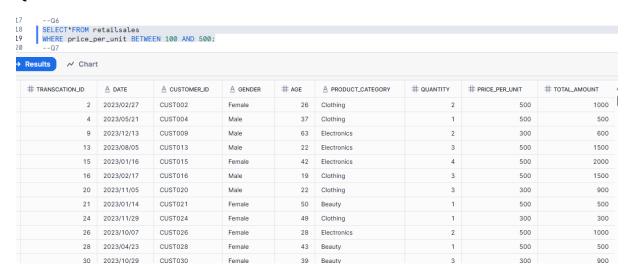
## Question 4:



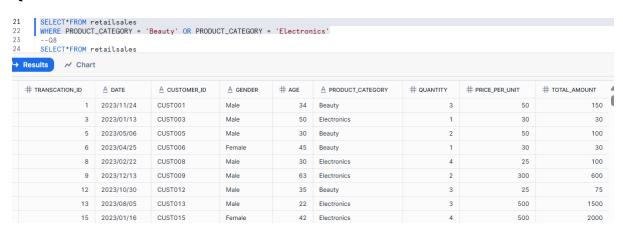
### Question 5:



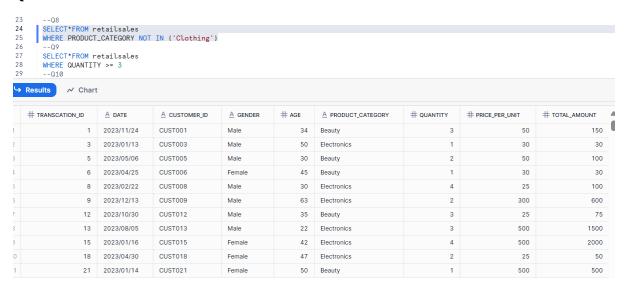
#### Question 6:



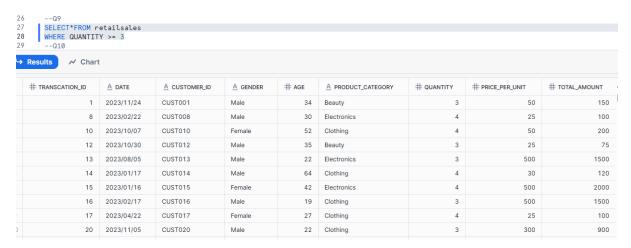
#### Question 7:



### Question 8:



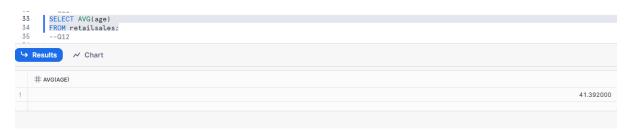
### Question 9:



#### Question 10:



### Question 11:



# Question 12:

```
FRUM retailsales;
--012
36 VELECT SUM(quantity) AS total_quantity
FROM retailsales;
--013

The retailsales of the retailsales o
```

## Question 13:



## Question 14:



# Question 15:

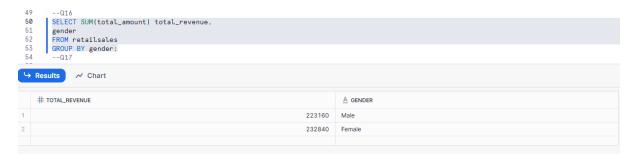
```
44 --015

45 SELECT COUNT(DISTINCT transcation_id) AS transcation_count,
product_category
47 FROM retailsales
48 GROUP BY 2;

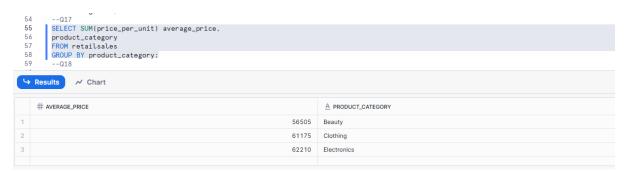
$\frac{\pmathrm{FResults}}{\pmathrm{FRANSCATION_COUNT}} \times \text{A PRODUCT_CATEGORY}

1 307 Beauty
2 351 Clothing
3 42 Electronics
```

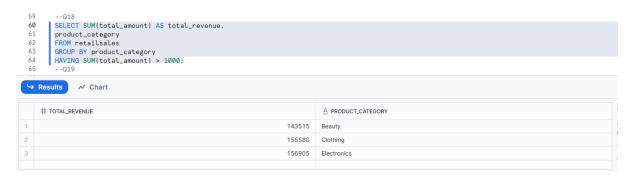
## Question 16:



# Question 17:



## Question 18:



# Question 19:

# Question 20:

# Question 21:

```
--021
SELECT
customer_id,
age,
CASE
WHEN age<30 THEN 'youth'
WHEN age BETWEEN 30 AND 59 THEN 'adult'
ELSE 'senior'
END AS age_group
FROM retailsales;
  80
81
82
83
84
85
86
87
88
# AGE
      A CUSTOMER_ID
                                                                                                                                                                               A AGE_GROUP
                                                                                                                                                                                                                                                                     0
 1 CUST001
1 CUSTO01
2 CUSTO02
3 CUSTO03
4 CUSTO04
5 CUSTO05
6 CUSTO06
7 CUSTO07
8 CUSTO09
10 CUSTO10
11 CUSTO11
                                                                                                                                                                      26
                                                                                                                                                                                youth
                                                                                                                                                                       50
                                                                                                                                                                               adult
                                                                                                                                                                       37
                                                                                                                                                                       30
                                                                                                                                                                               adult
                                                                                                                                                                       45
                                                                                                                                                                               adult
                                                                                                                                                                       30
                                                                                                                                                                               adult
                                                                                                                                                                      63
                                                                                                                                                                               senior
                                                                                                                                                                      52
                                                                                                                                                                      23
 12 CUST012
                                                                                                                                                                      35 adult
13 CUST013
14 CUST014
                                                                                                                                                                      22 youth
                                                                                                                                                                      64 senior
```