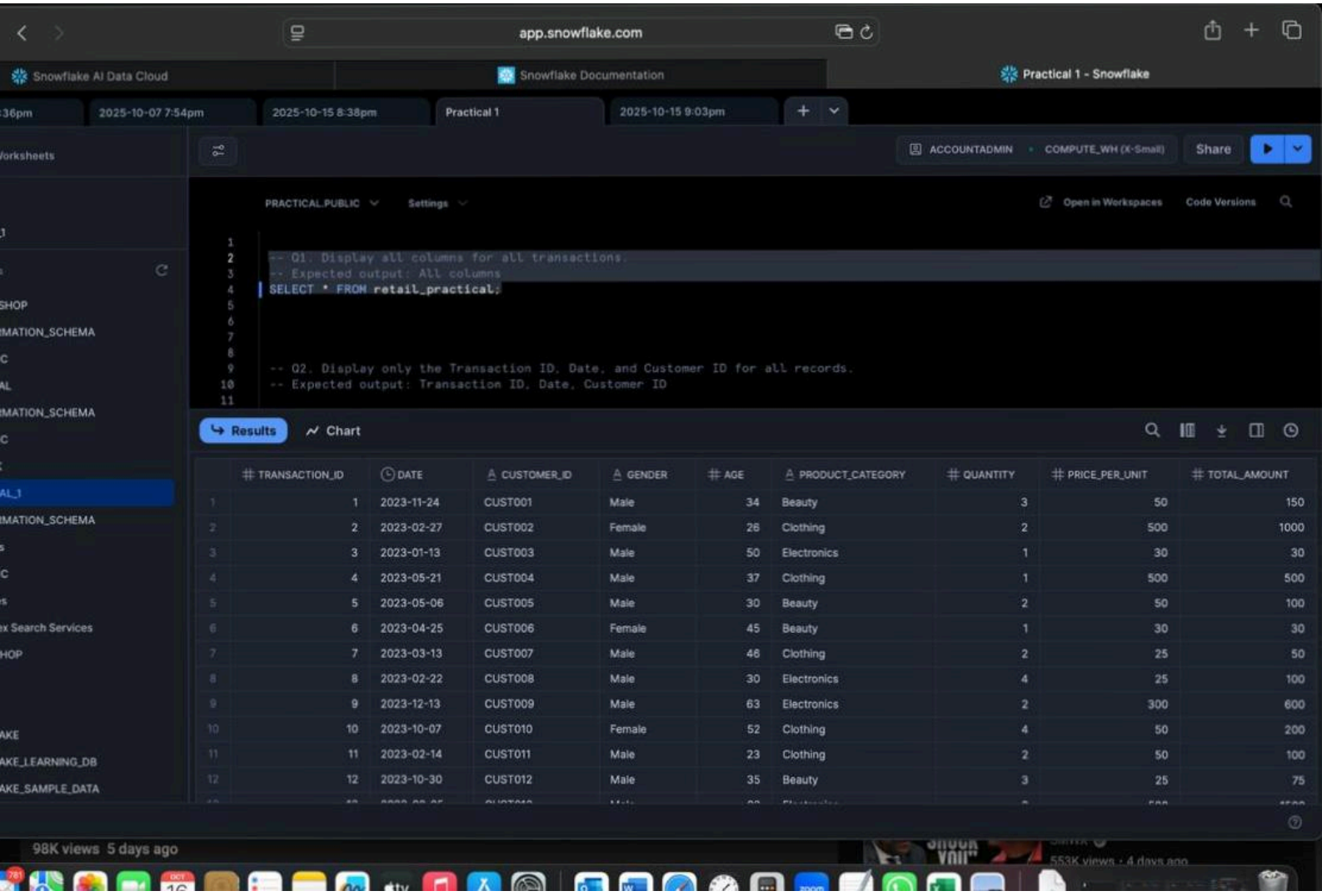
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Practical 1
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ACCOUNTADMIN
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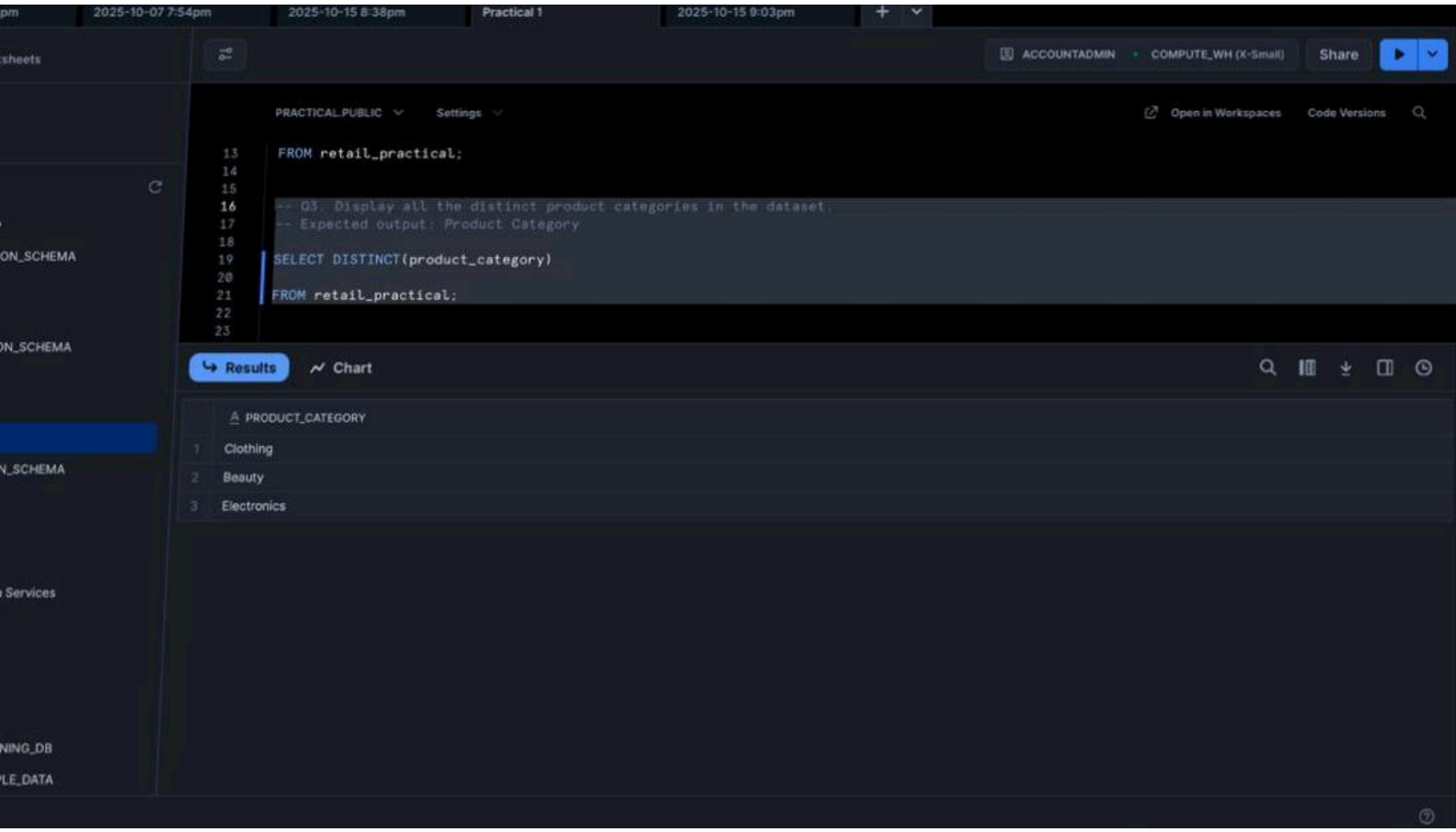
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q1. Display all columns for all transactions.
-- Expected output: All columns
SELECT * FROM retail_practical;
-- Q2. Display only the Transaction ID, Date, and Customer ID for all records.
-- Expected output: Transaction ID, Date, Customer ID
Results
Chart
TRANSACTION_ID
DATE
CUSTOMER_ID
GENDER
AGE
PRODUCT_CATEGORY
QUANTITY
PRICE_PER_UNIT
TOTAL_AMOUNT
1 2023-11-24 CUST001 Male 34 Beauty 3 50 150
2 2023-02-27 CUST002 Female 28 Clothing 2 500 1000
3 2023-01-13 CUST003 Male 50 Electronics 1 30 30
4 2023-05-21 CUST004 Male 37 Clothing 1 500 500
5 2023-05-06 CUST005 Male 30 Beauty 2 50 100
6 2023-04-25 CUST006 Female 45 Beauty 1 30 30
7 2023-03-13 CUST007 Male 46 Clothing 2 25 50
8 2023-02-22 CUST008 Male 30 Electronics 4 25 100
9 2023-12-13 CUST009 Male 63 Electronics 2 300 600
10 2023-10-07 CUST010 Female 52 Clothing 4 50 200
11 2023-02-14 CUST011 Male 23 Clothing 2 50 100
12 2023-10-30 CUST012 Male 35 Beauty 3 25 75
98K views 5 days ago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Practical 1
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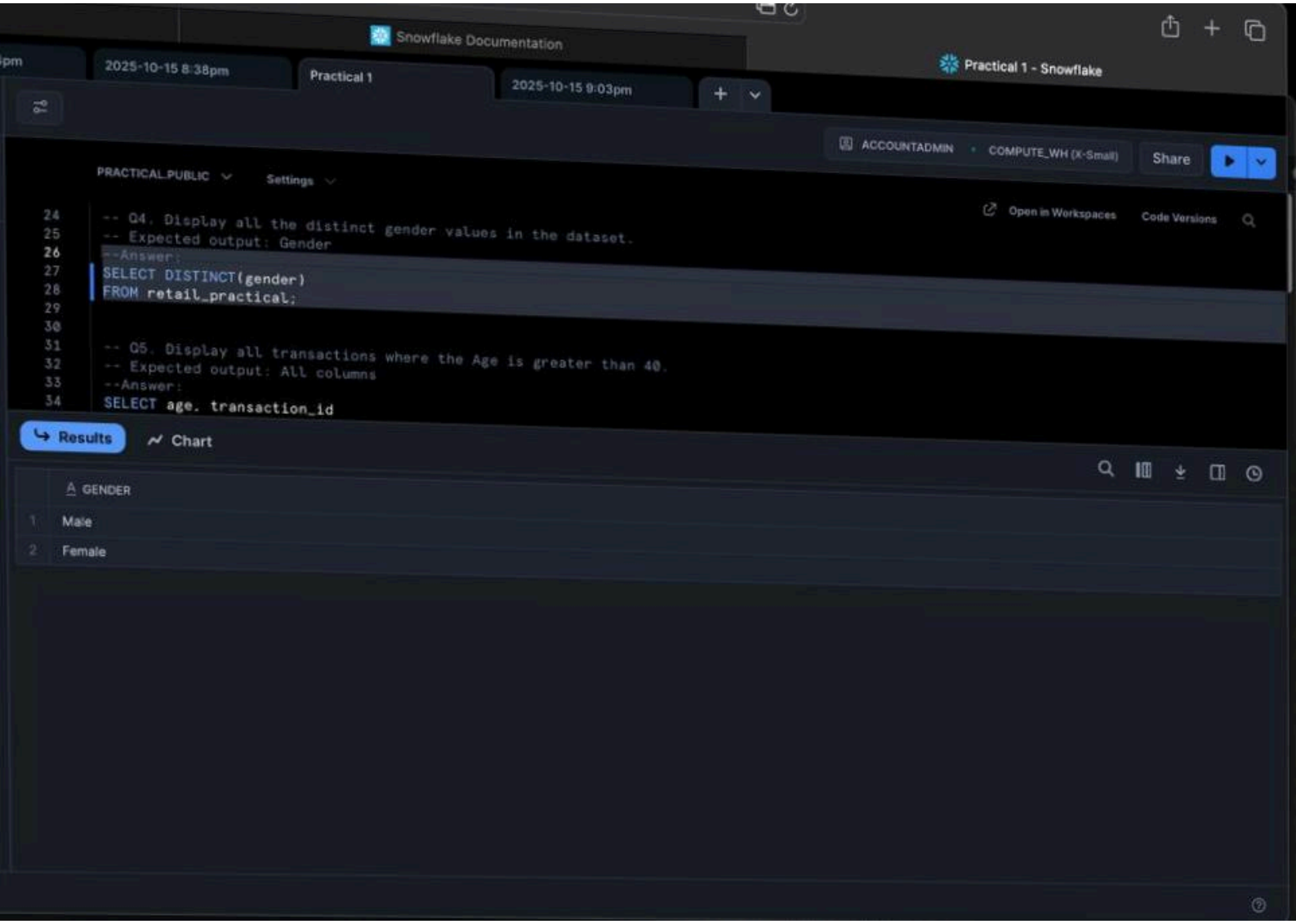
Settings
Open in Workspaces
Code Versions
FROM retail_practical;
-- Q3. Display all the distinct product categories in the dataset.
-- Expected output: Product Category
SELECT DISTINCT(product_category)
FROM retail_practical;
Results
Chart
PRODUCT_CATEGORY
1 Clothing
2 Beauty
3 Electronics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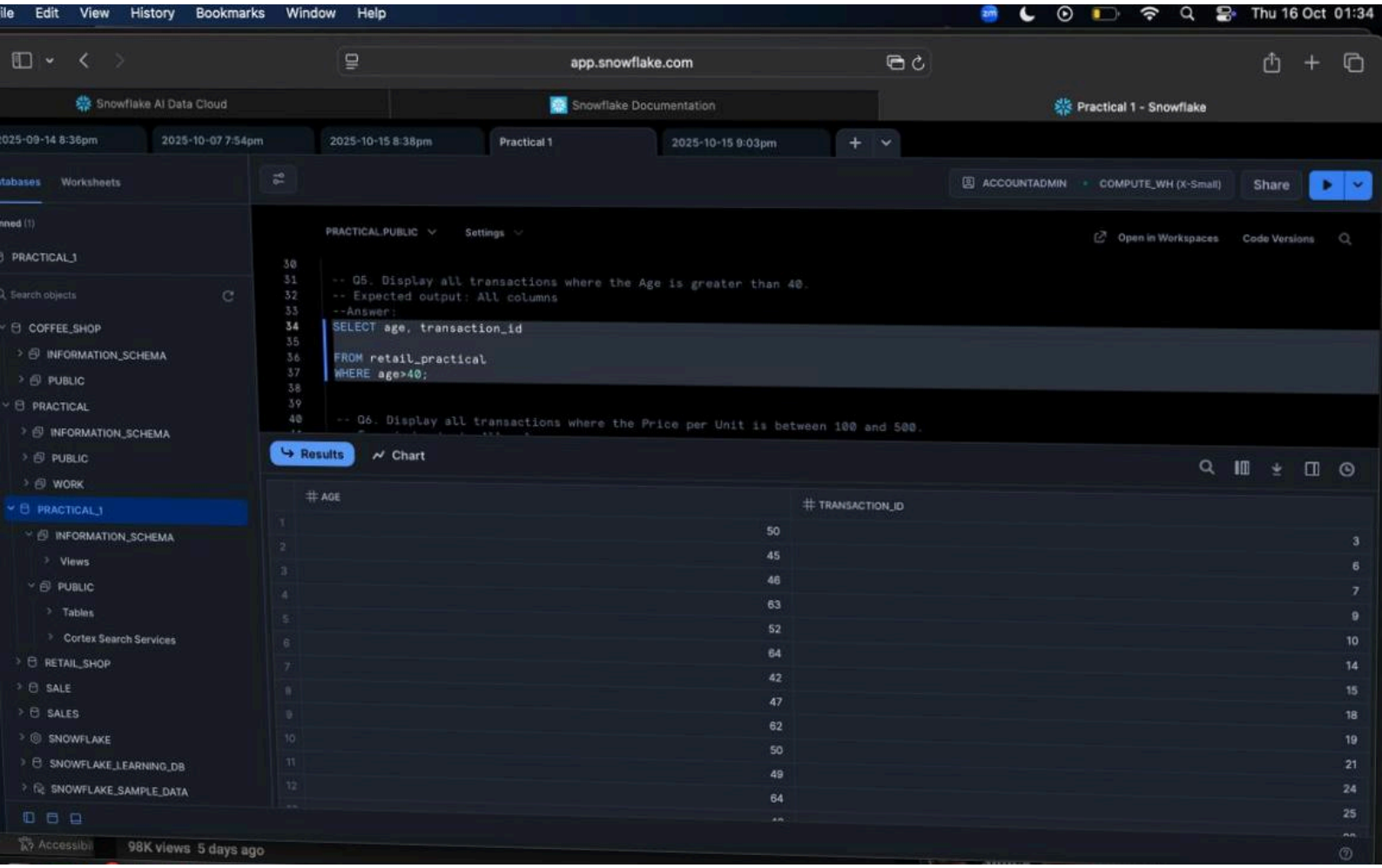
Settings
Open in Workspaces
Code Versions
24 -- Q4. Display all the distinct gender values in the dataset.
25 -- Expected output: Gender
26 --Answer:
27 SELECT DISTINCT(gender)
28 FROM retail_practical;
29
30
31 -- Q5. Display all transactions where the Age is greater than 40.
32 -- Expected output: All columns
33 --Answer:
34 SELECT age, transaction_id
Results
Chart
GENDER
1 Male
2 Female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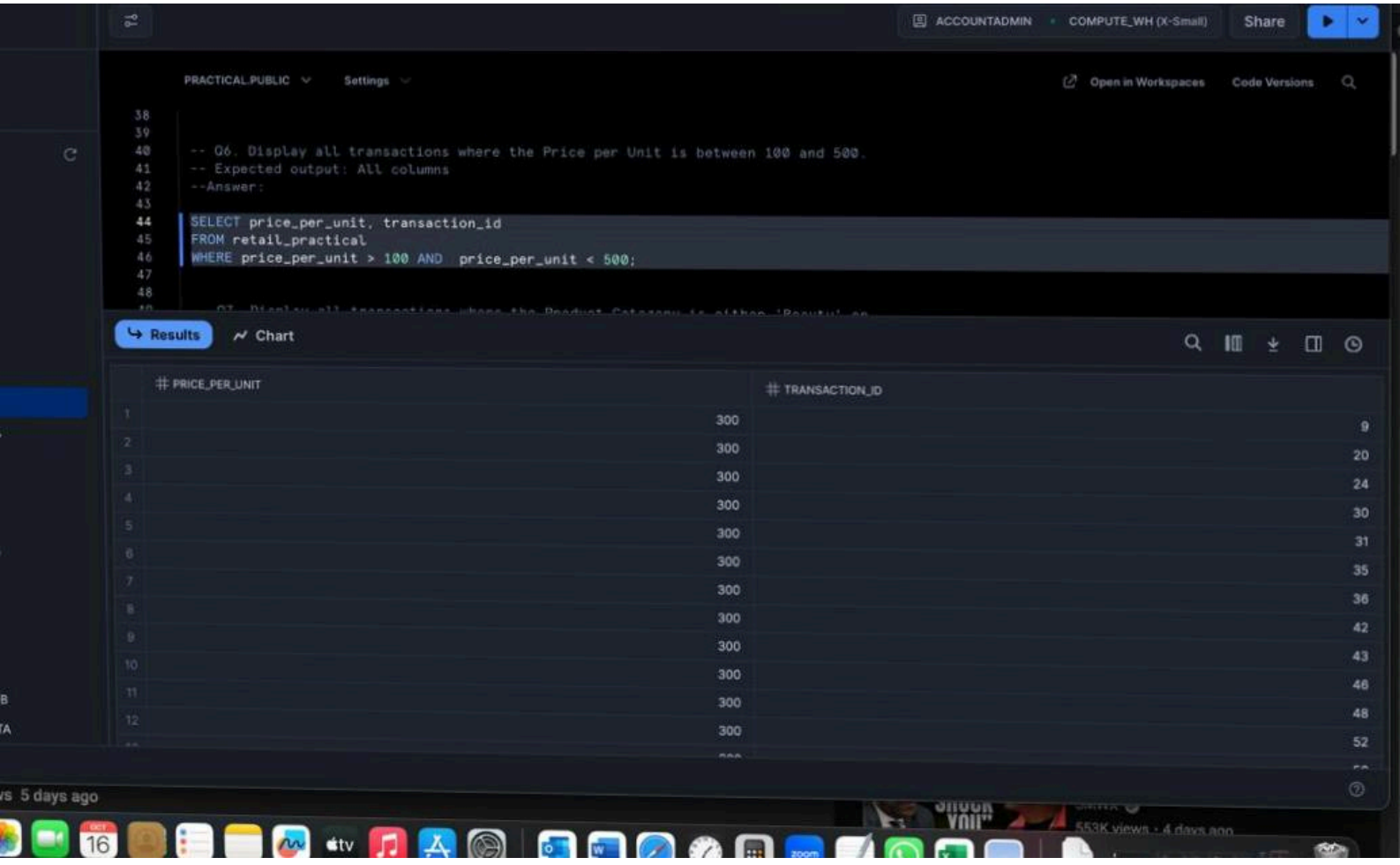
Databases
Worksheets
PRACTICAL_1
Search objects
COFFEE_SHOP
INFORMATION_SCHEMA
PUBLIC
PRACTICAL
INFORMATION_SCHEMA
PUBLIC
WORK
PRACTICAL_1
INFORMATION_SCHEMA
Views
PUBLIC
Tables
Cortex Search Services
RETAIL_SHOP
SALE
SALES
SNOWFLAKE
SNOWFLAKE_LEARNING_DB
SNOWFLAKE_SAMPLE_DATA
ACCOUNTADMIN
COMPUTE_WH (X-Small)
Share
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q5. Display all transactions where the Age is greater than 40.
-- Expected output: All columns
--Answer:
SELECT age, transaction_id
FROM retail_practical
WHERE age>40;
-- Q6. Display all transactions where the Price per Unit is between 100 and 500.
Results
Chart
AGE
TRANSACTION_ID
1 50 3
2 45 6
3 46 7
4 63 9
5 52 10
6 64 14
7 42 15
8 47 18
9 62 19
10 50 21
11 49 24
12 64 25
98K views 5 days ago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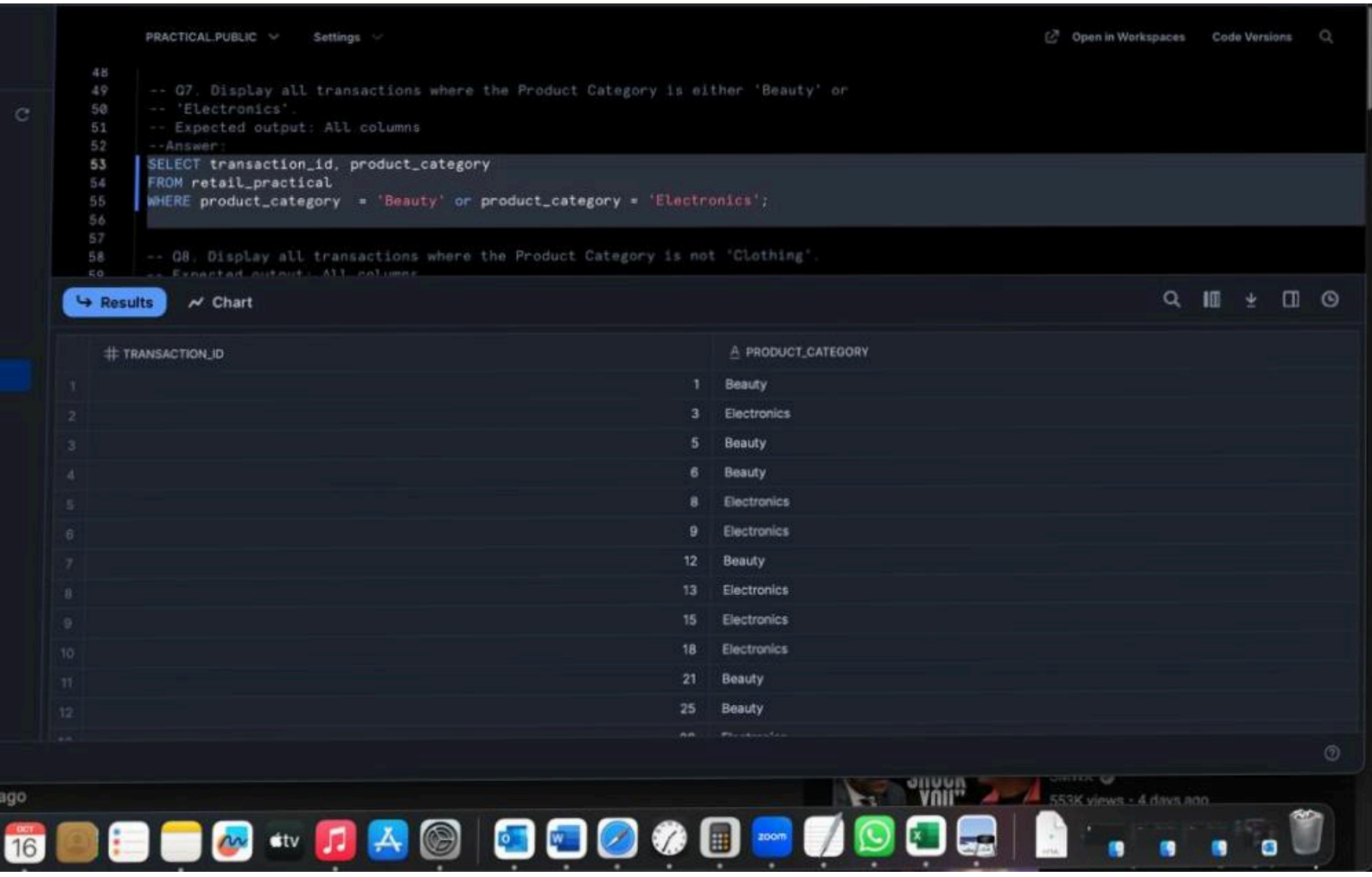
Share
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q6. Display all transactions where the Price per Unit is between 100 and 500.
-- Expected output: All columns
--Answer:
SELECT price_per_unit, transaction_id
FROM retail_practical
WHERE price_per_unit > 100 AND price_per_unit < 500;
Results
Chart
PRICE_PER_UNIT
TRANSACTION_ID
300 9
300 20
300 24
300 30
300 31
300 35
300 36
300 42
300 43
300 46
300 48
300 52
5 days ago
553K views · 4 days ago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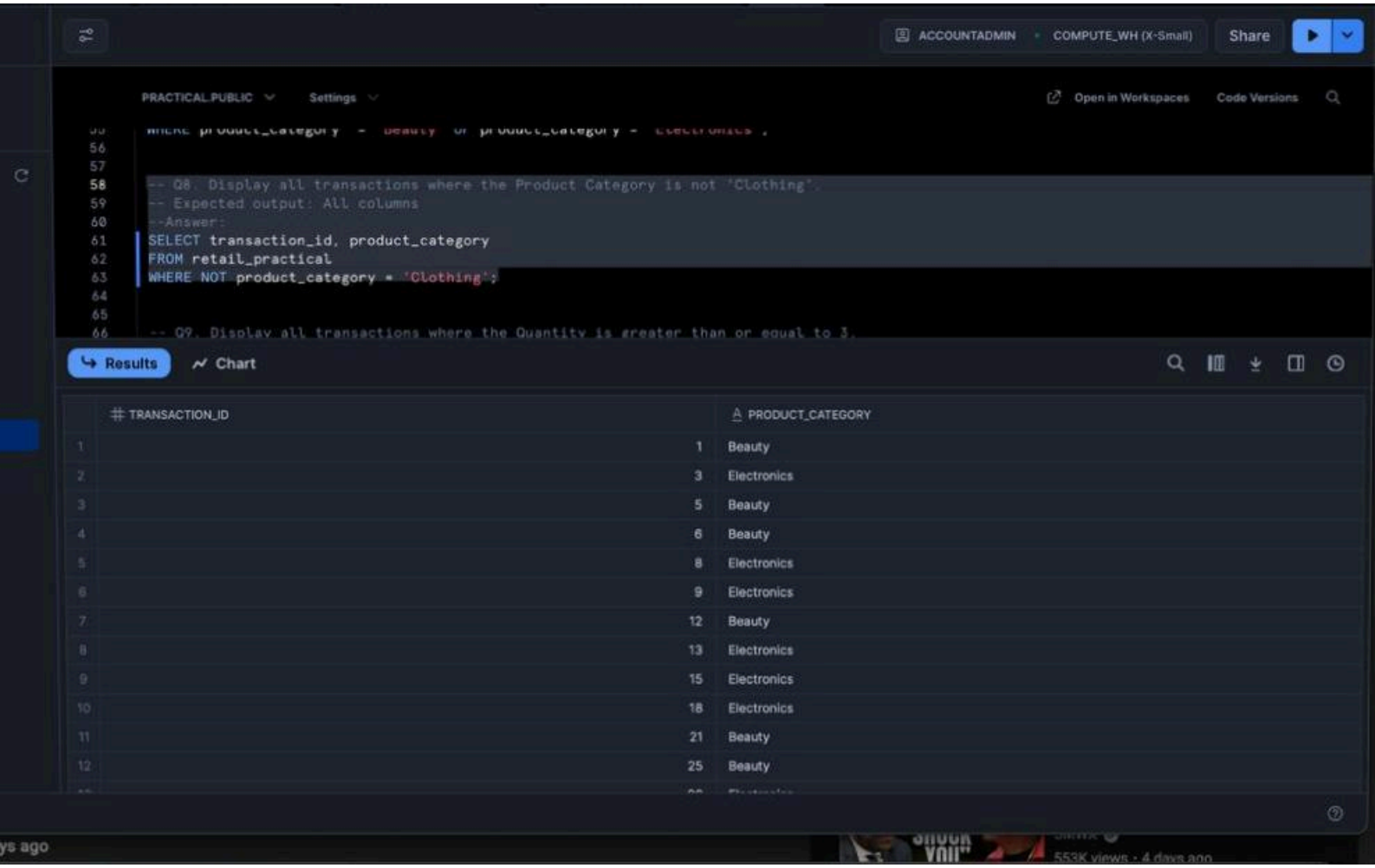
Settings
Open in Workspaces
Code Versions
-- Q7. Display all transactions where the Product Category is either 'Beauty' or
-- 'Electronics'.
-- Expected output: All columns
--Answer:
SELECT transaction_id, product_category
FROM retail_practical
WHERE product_category = 'Beauty' or product_category = 'Electronics';
-- Q8. Display all transactions where the Product Category is not 'Clothing'.
Results
Chart
TRANSACTION_ID
PRODUCT_CATEGORY
1 Beauty
3 Electronics
5 Beauty
6 Beauty
8 Electronics
9 Electronics
12 Beauty
13 Electronics
15 Electronics
18 Electronics
21 Beauty
25 Beauty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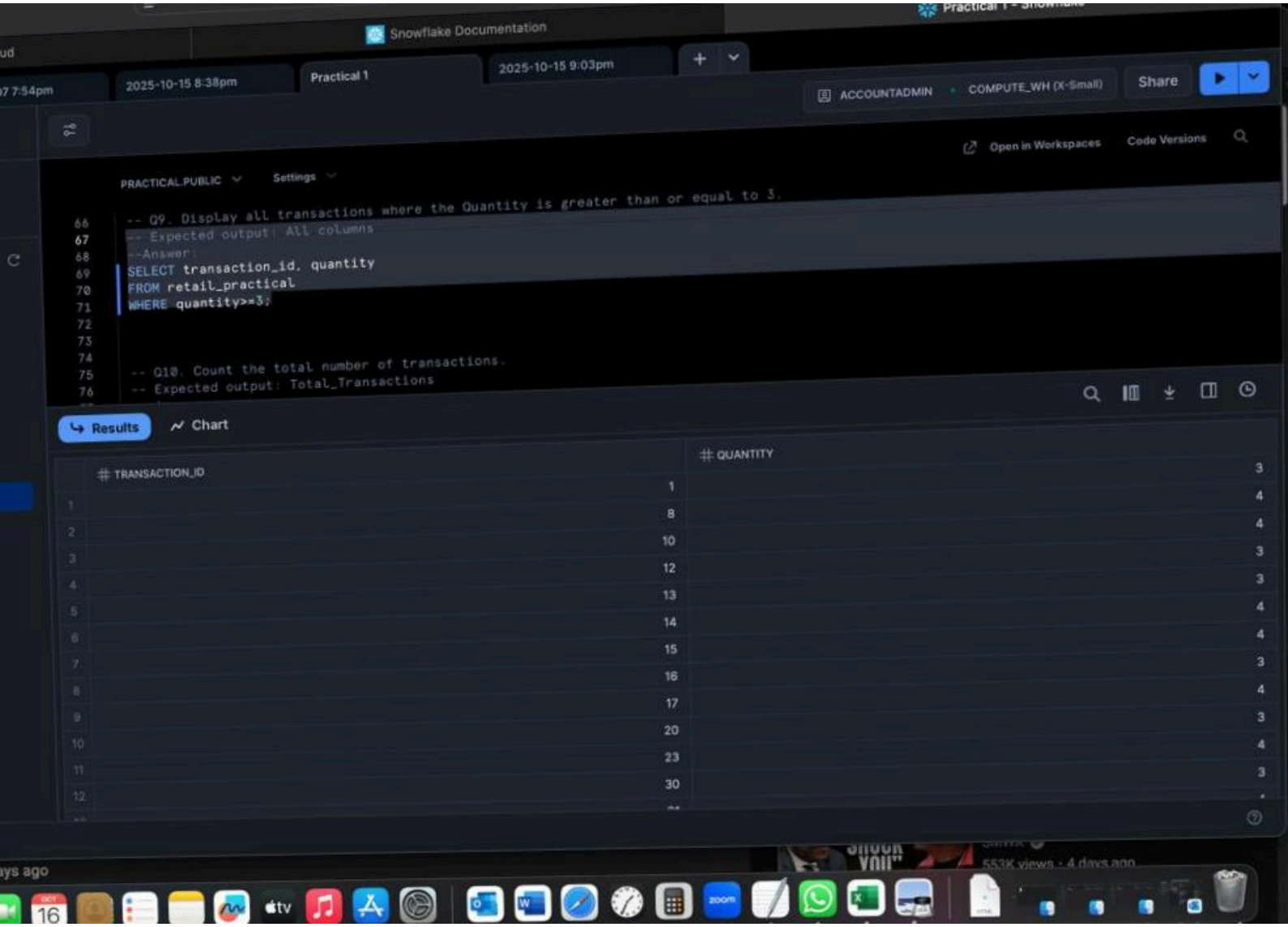
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q8. Display all transactions where the Product Category is not 'Clothing'.
-- Expected output: All columns
--Answer:
SELECT transaction_id, product_category
FROM retail_practical
WHERE NOT product_category = 'Clothing';
-- Q9. Display all transactions where the Quantity is greater than or equal to 3.
Results
Chart
TRANSACTION_ID
PRODUCT_CATEGORY
1 Beauty
3 Electronics
5 Beauty
6 Beauty
8 Electronics
9 Electronics
12 Beauty
13 Electronics
15 Electronics
18 Electronics
21 Beauty
25 Beauty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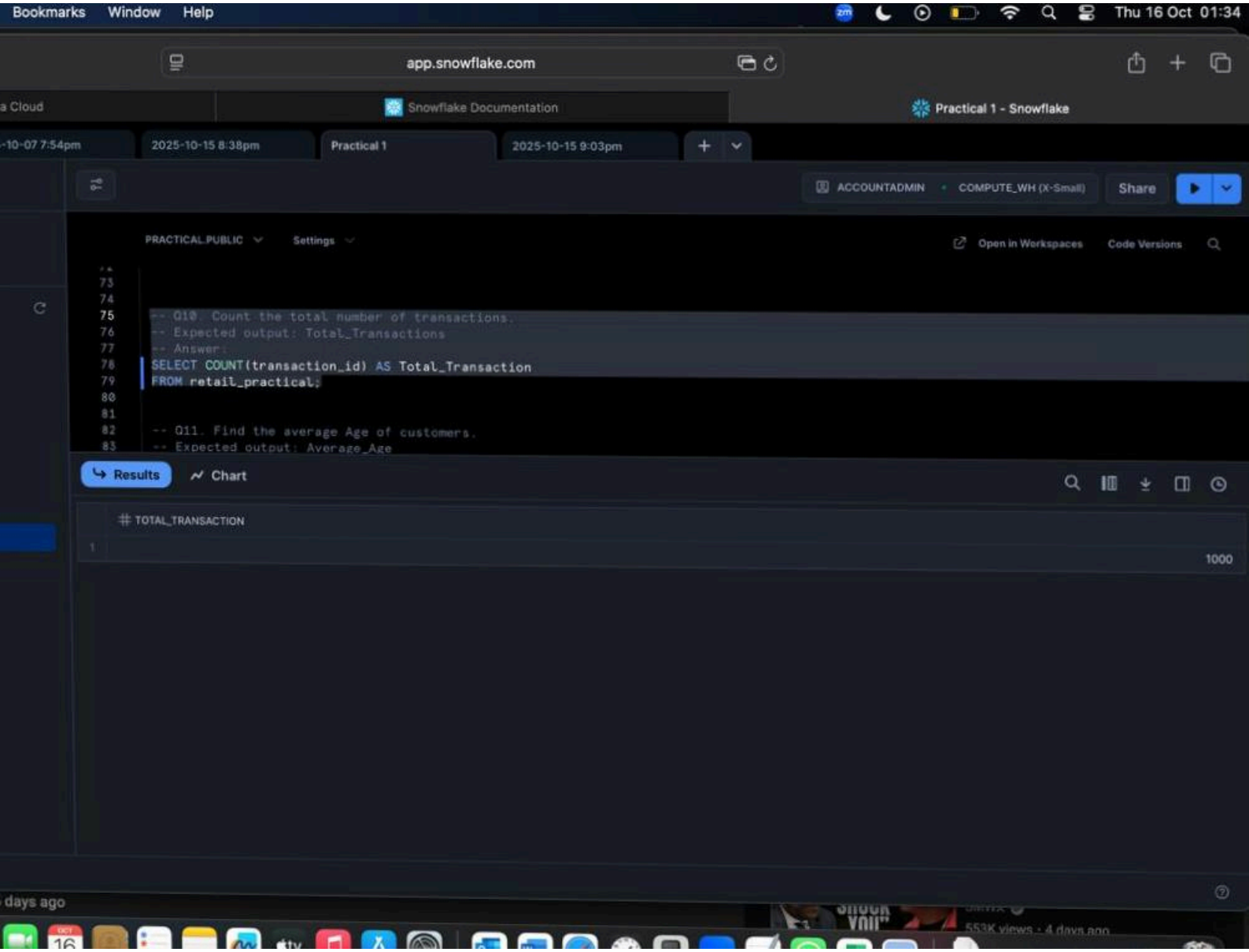
Code Versions
PRACTICAL.PUBLIC
Settings
-- Q9. Display all transactions where the Quantity is greater than or equal to 3.
-- Expected output: All columns
--Answer:
SELECT transaction_id, quantity
FROM retail_practical
WHERE quantity>=3;
-- Q10. Count the total number of transactions.
-- Expected output: Total_Transactions
Results
Chart
TRANSACTION_ID
QUANTITY
1 3
8 4
10 4
12 3
13 3
14 4
15 4
16 3
17 4
20 3
23 4
30 3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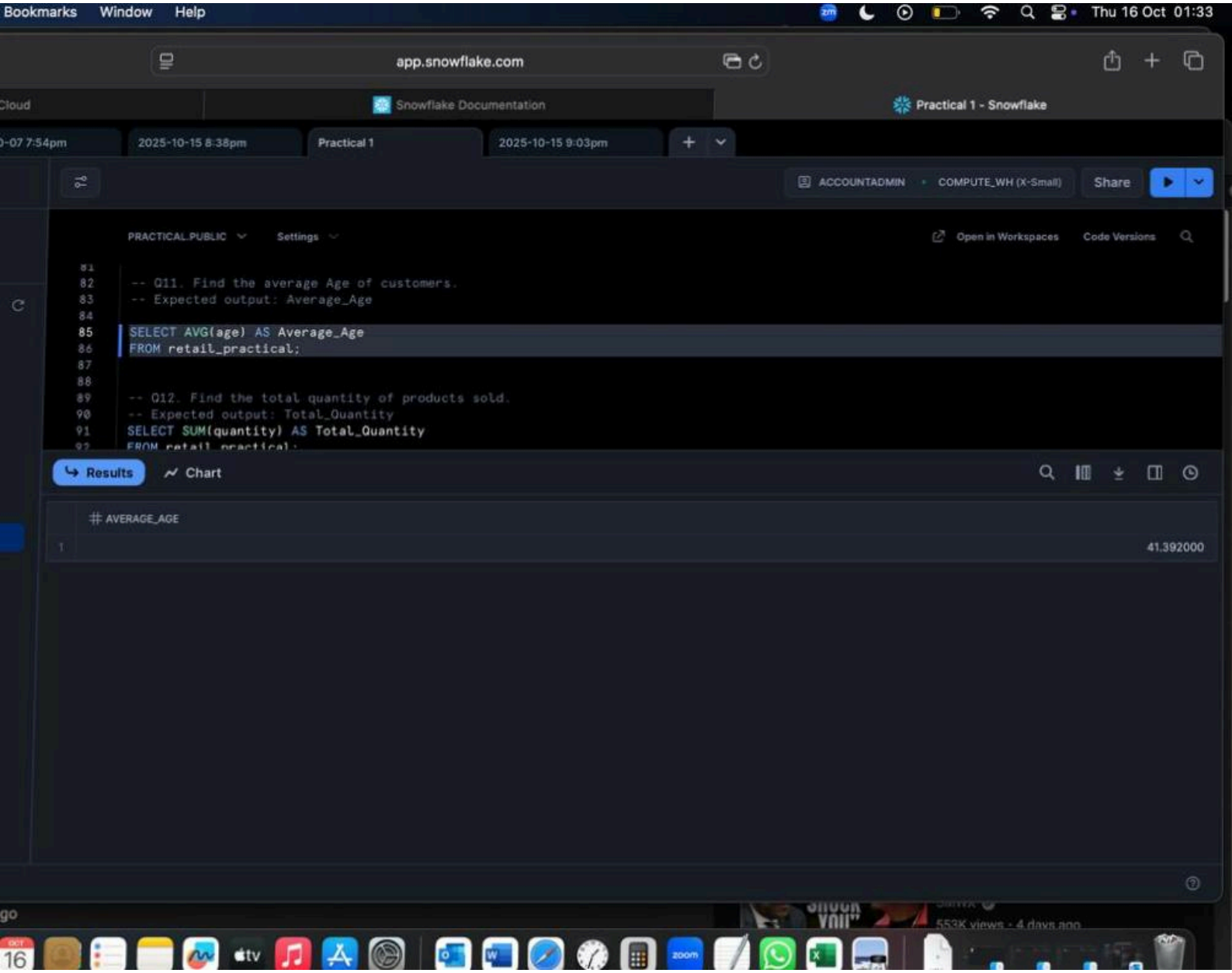
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q10. Count the total number of transactions.
-- Expected output: Total_Transactions
-- Answer:
SELECT COUNT(transaction_id) AS Total_Transaction
FROM retail_practical;
-- Q11. Find the average Age of customers.
-- Expected output: Average_Age
Results
Chart
TOTAL_TRANSACTION
1000
days ago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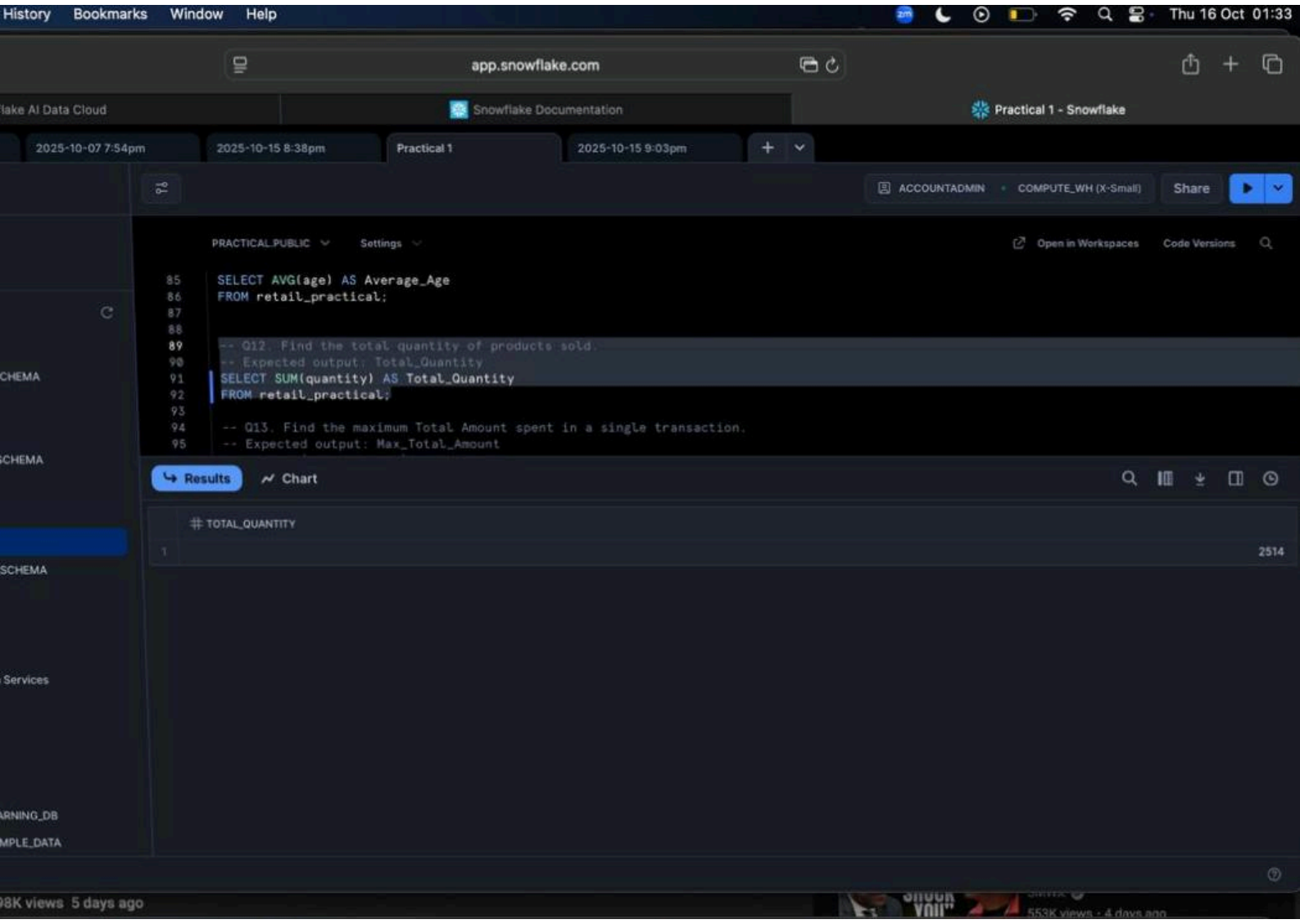
Share
PRACTICAL_PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q11. Find the average Age of customers.
-- Expected output: Average_Age
SELECT AVG(age) AS Average_Age
FROM retail_practical;
-- Q12. Find the total quantity of products sold.
-- Expected output: Total_Quantity
SELECT SUM(quantity) AS Total_Quantity
Results
Chart
AVERAGE_AGE
41.392000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Practical 1
2025-10-15 9:03pm
ACCOUNTADMIN
COMPUTE_WH (X-Small)
Share
PRACTICAL_PUBLIC
Settings
Open in Workspaces
Code Versions
SELECT AVG(age) AS Average_Age
FROM retail_practical;
-- Q12. Find the total quantity of products sold.
-- Expected output: Total_Quantity
SELECT SUM(quantity) AS Total_Quantity
FROM retail_practical;
-- Q13. Find the maximum Total Amount spent in a single transaction.
-- Expected output: Max_Total_Amount
Results
Chart
TOTAL_QUANTITY
2514
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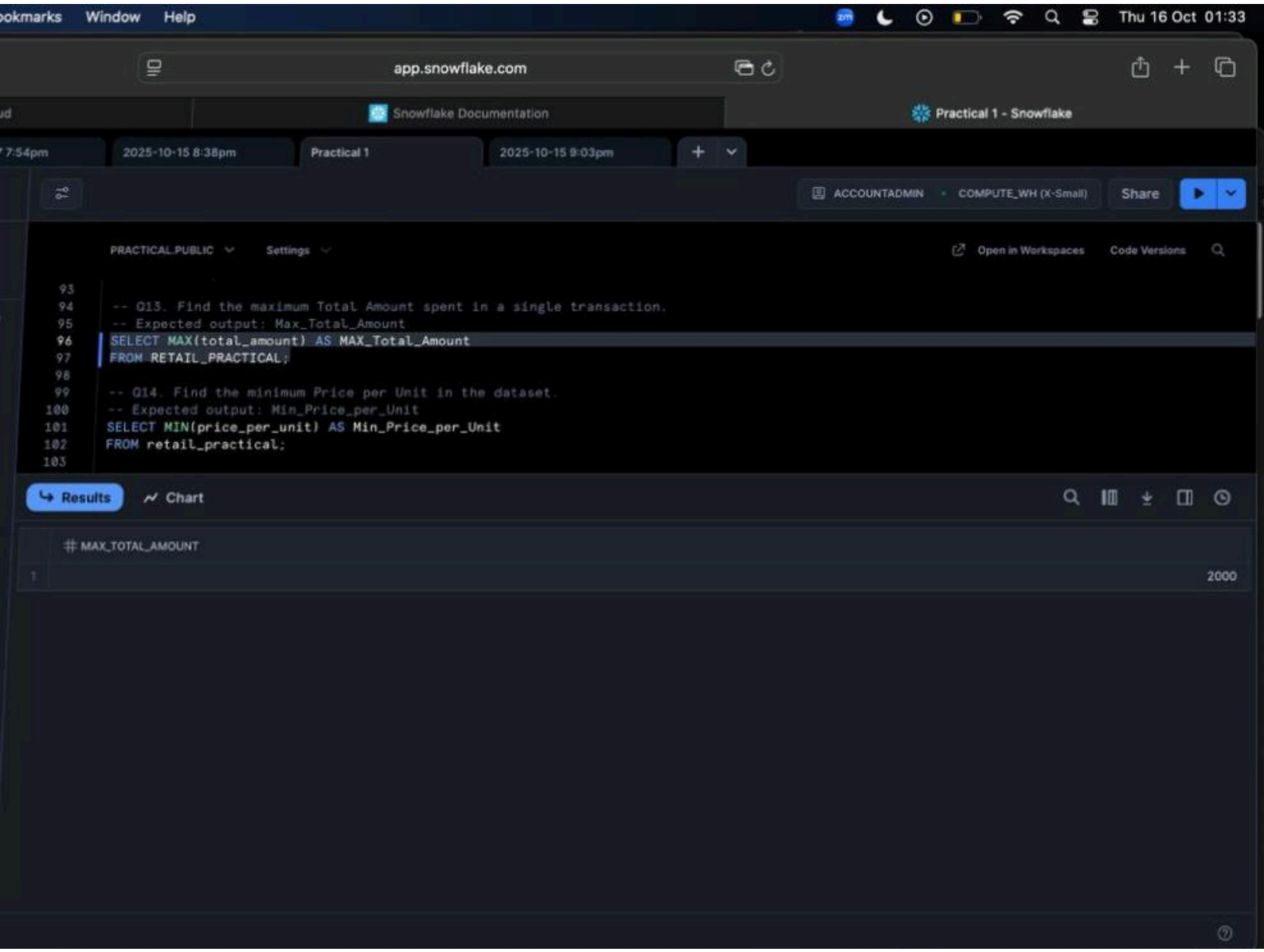
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Practical 1
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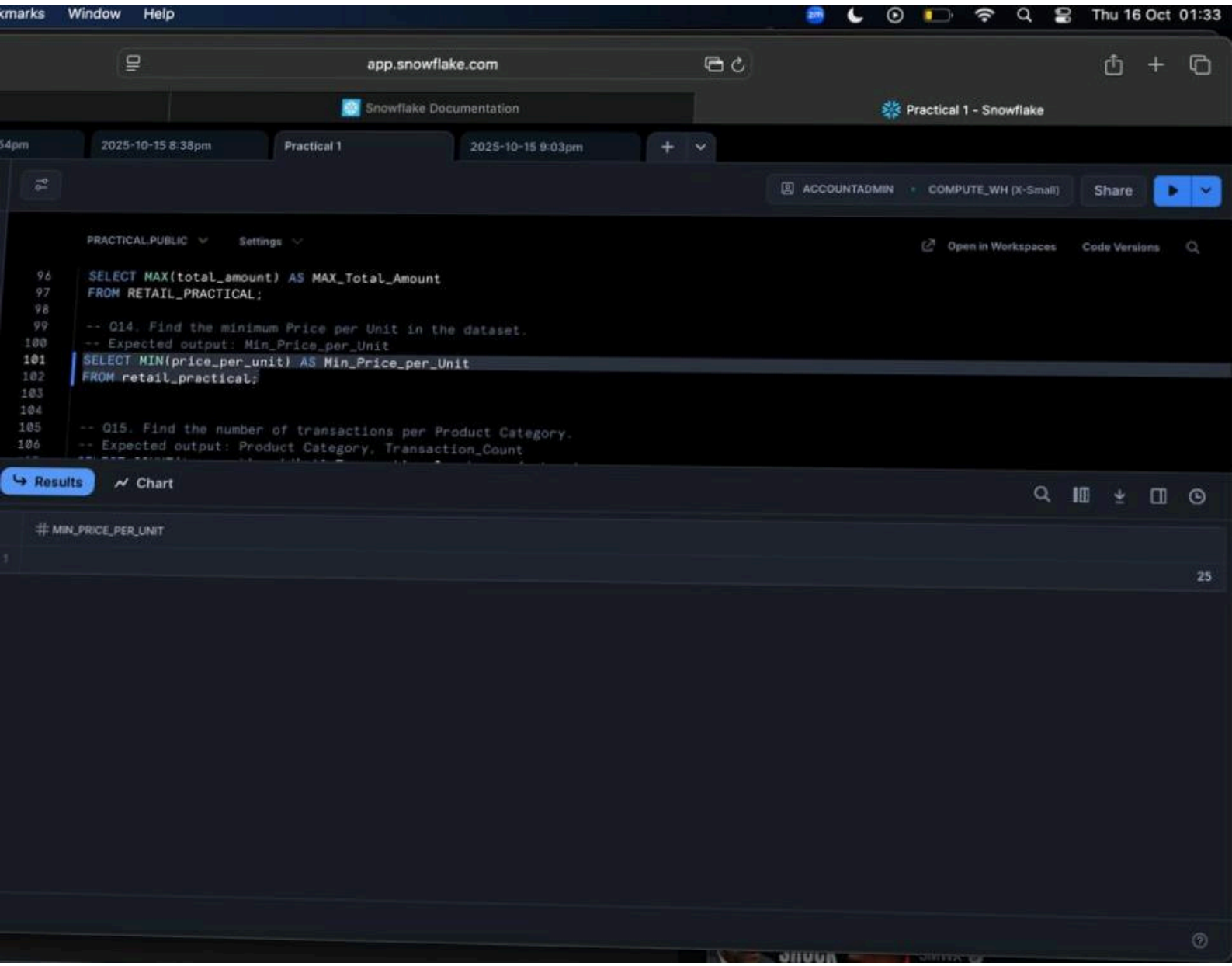
COMPUTE_WH (X-Small)
Share
PRACTICAL_PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q13. Find the maximum Total Amount spent in a single transaction.
-- Expected output: Max_Total_Amount
SELECT MAX(total_amount) AS MAX_Total_Amount
FROM RETAIL_PRACTICAL;
-- Q14. Find the minimum Price per Unit in the dataset.
-- Expected output: Min_Price_per_Unit
SELECT MIN(price_per_unit) AS Min_Price_per_Unit
FROM retail_practical;
Results
Chart
MAX_TOTAL_AMOUNT
2000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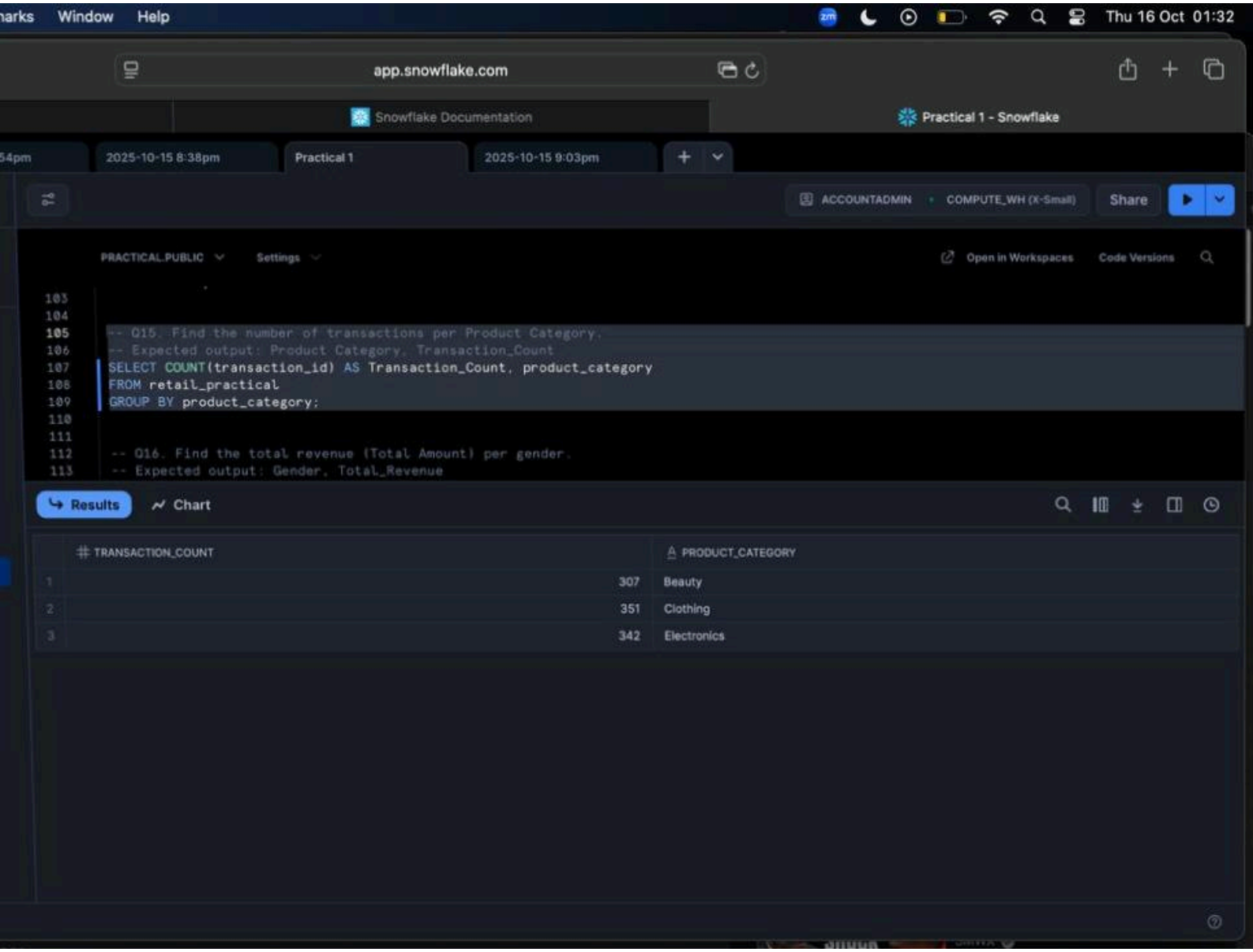
Share
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
SELECT MAX(total_amount) AS MAX_Total_Amount
FROM RETAIL_PRACTICAL;
-- Q14. Find the minimum Price per Unit in the dataset.
-- Expected output: Min_Price_per_Unit
SELECT MIN(price_per_unit) AS Min_Price_per_Unit
FROM retail_practical;
-- Q15. Find the number of transactions per Product Category.
-- Expected output: Product Category, Transaction_Count
Results
Chart
MIN_PRICE_PER_UNIT
25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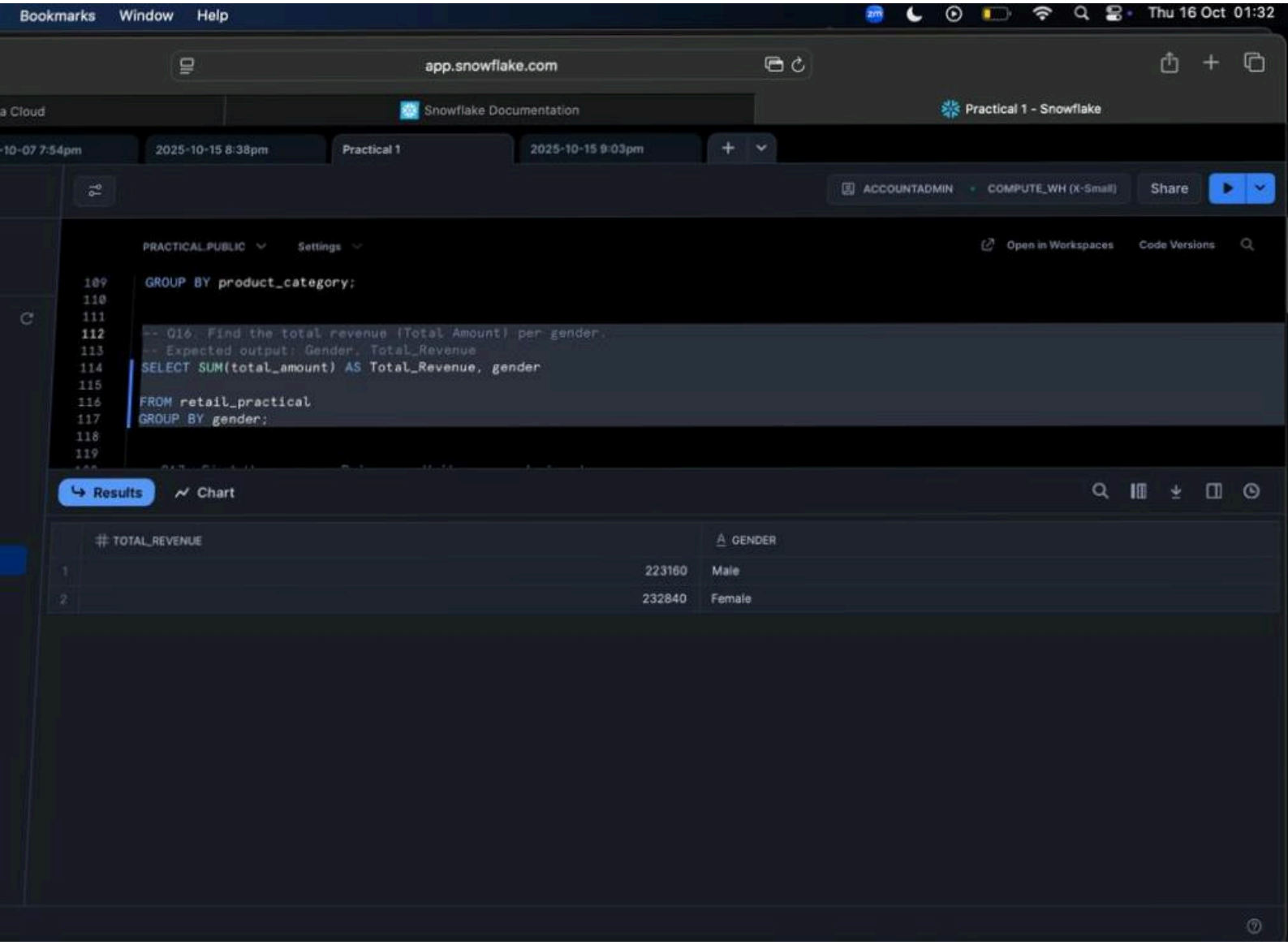
Share
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q15. Find the number of transactions per Product Category.
-- Expected output: Product Category, Transaction_Count
SELECT COUNT(transaction_id) AS Transaction_Count, product_category
FROM retail_practical
GROUP BY product_category;
-- Q16. Find the total revenue (Total Amount) per gender.
-- Expected output: Gender, Total_Revenue
Results
Chart
TRANSACTION_COUNT
PRODUCT_CATEGORY
1 307 Beauty
2 351 Clothing
3 342 Electronics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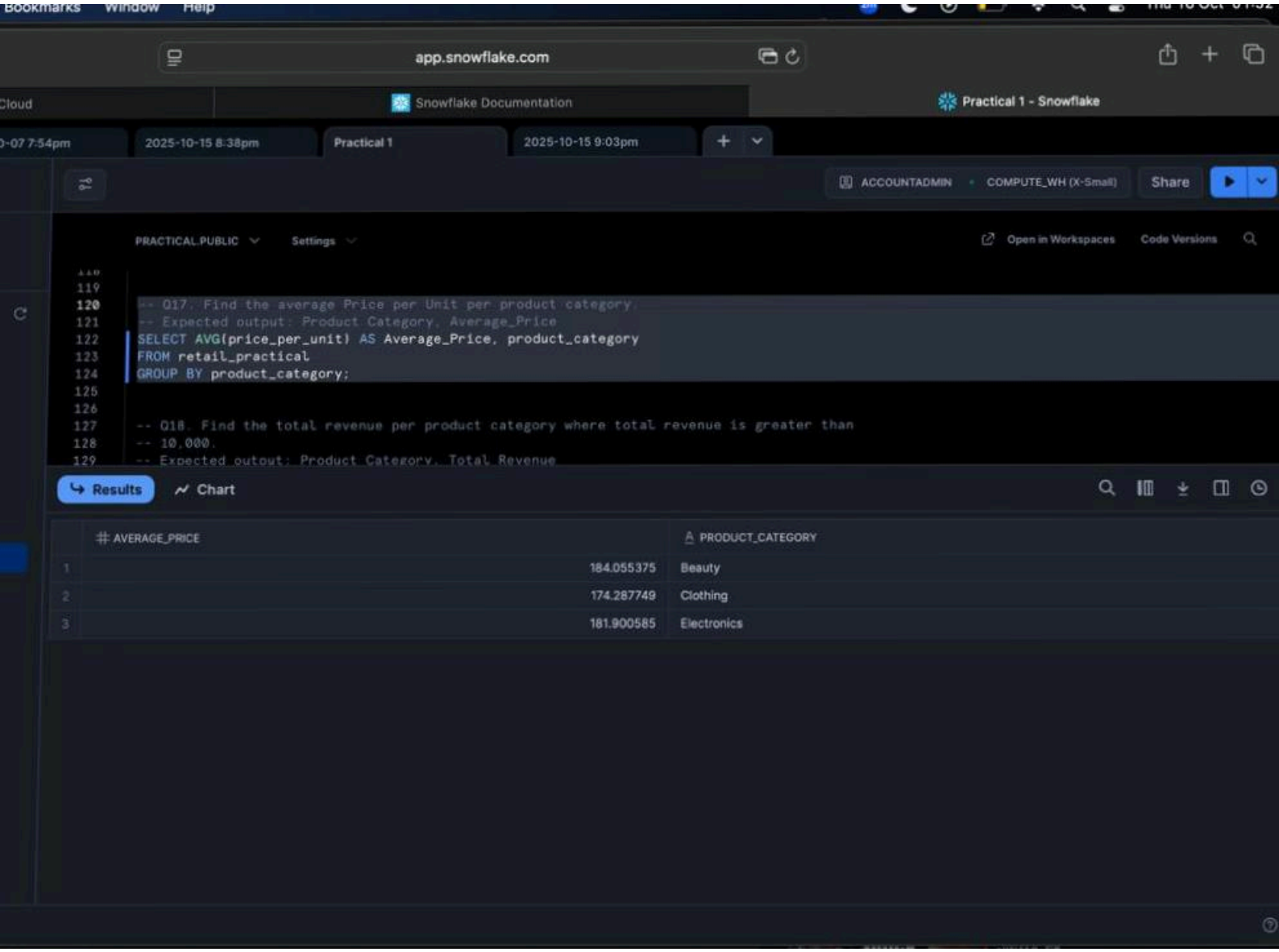
Settings
Open in Workspaces
Code Versions
GROUP BY product_category;
-- Q16. Find the total revenue (Total Amount) per gender.
-- Expected output: Gender, Total_Revenue
SELECT SUM(total_amount) AS Total_Revenue, gender
FROM retail_practical
GROUP BY gender;
Results
Chart
TOTAL_REVENUE
GENDER
1 223160 Male
2 232840 Female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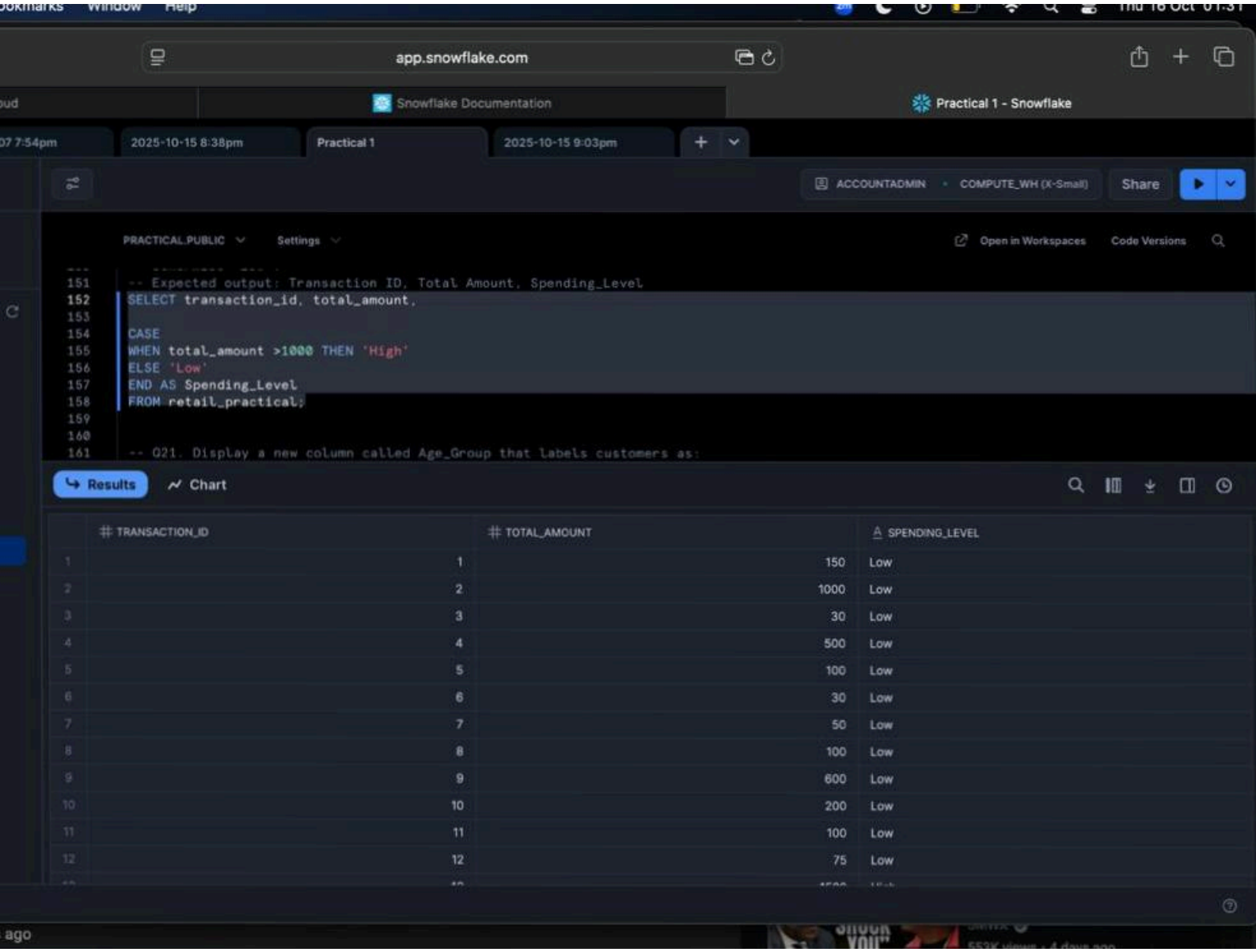
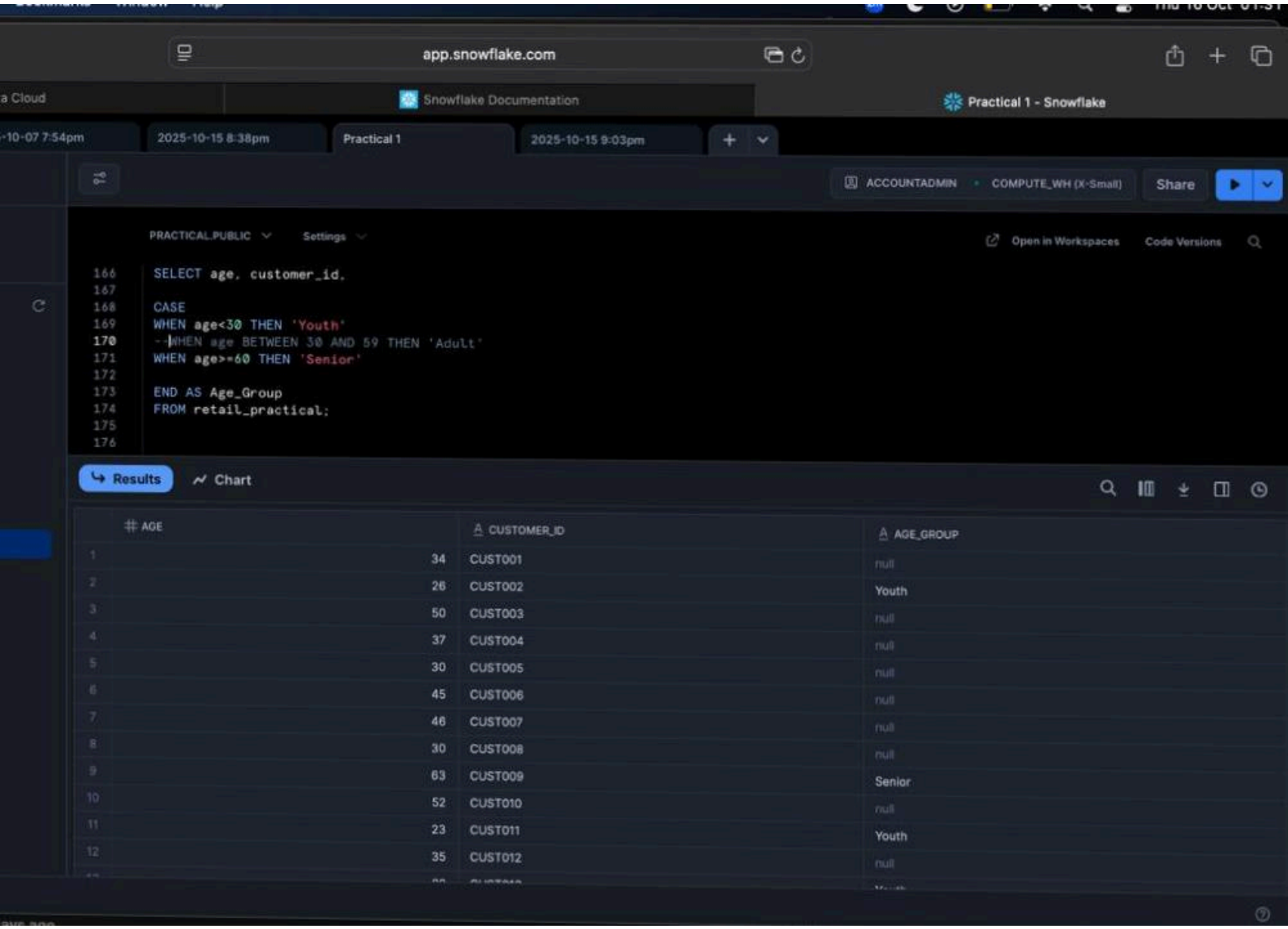
Share
PRACTICAL.PUBLIC
Settings
Open in Workspaces
Code Versions
-- Q17. Find the average Price per Unit per product category.
-- Expected output: Product Category, Average_Price
SELECT AVG(price_per_unit) AS Average_Price, product_category
FROM retail_practical
GROUP BY product_category;
-- Q18. Find the total revenue per product category where total revenue is greater than
-- 10,000.
-- Expected output: Product Category, Total Revenue
Results
Chart
AVERAGE_PRICE
PRODUCT_CATEGORY
1 184.055375 Beauty
2 174.287749 Clothing
3 181.900585 Electronics



	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
7	7	50	Low
8	8	100	Low
9	9	600	Low
10	10	200	Low
11	11	100	Low
12	12	75	Low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2025-10-15 9:03pm
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Settings
Open in Workspaces
Code Versions
166 SELECT age, customer_id,
167
168 CASE
169 WHEN age<30 THEN 'Youth'
170 --WHEN age BETWEEN 30 AND 59 THEN 'Adult'
171 WHEN age>=60 THEN 'Senior'
172
173 END AS Age_Group
174 FROM retail_practical;
175
176
Results
Chart
AGE
CUSTOMER_ID
AGE_GROUP
1 34 CUST001 null
2 26 CUST002 Youth
3 50 CUST003 null
4 37 CUST004 null
5 30 CUST005 null
6 45 CUST006 null
7 46 CUST007 null
8 30 CUST008 null
9 63 CUST009 Senior
10 52 CUST010 null
11 23 CUST011 Youth
12 35 CUST012 null