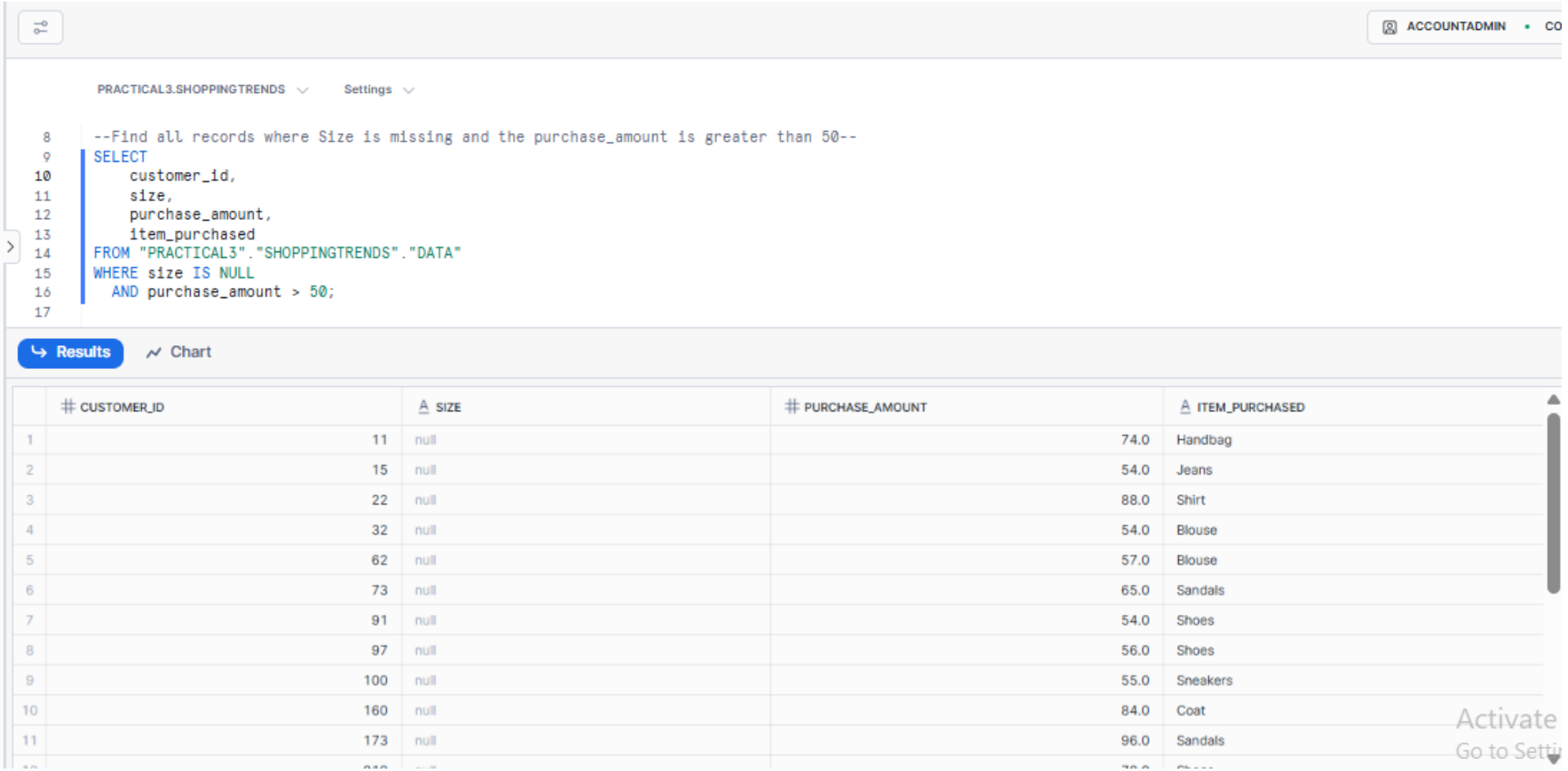
1.



	CUSTOMER_ID	SIZE	PURCHASE_AMOUNT	ITEM_PURCHASED
1	11	null	74.0	Handbag
2	15	null	54.0	Jeans
3	22	null	88.0	Shirt
4	32	null	54.0	Blouse
5	62	null	57.0	Blouse
6	73	null	65.0	Sandals
7	91	null	54.0	Shoes
8	97	null	56.0	Shoes
9	100	null	55.0	Sneakers
10	160	null	84.0	Coat
11	173	null	96.0	Sandals

2.

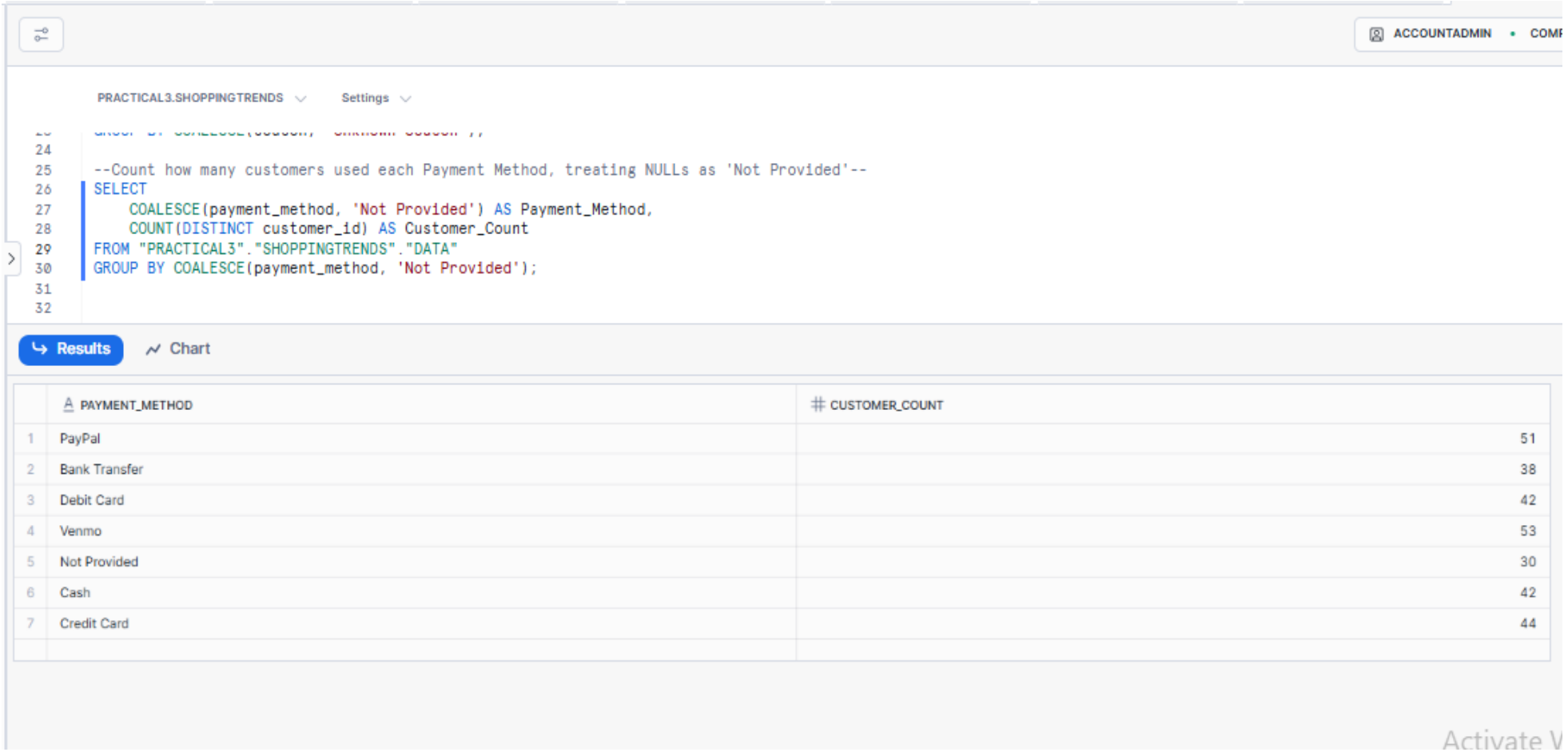
PRACTICAL3.SHOPPINGTRENDS Settings

```
17
18    --List the total number of purchases grouped by Season, treating NULL values as 'Unknown Season'--
19  SELECT
20      COALESCE(season, 'Unknown Season') AS Season,
21      COUNT(*) AS Total_Purchases
22  FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
23  GROUP BY COALESCE(season, 'Unknown Season');
24
25
```

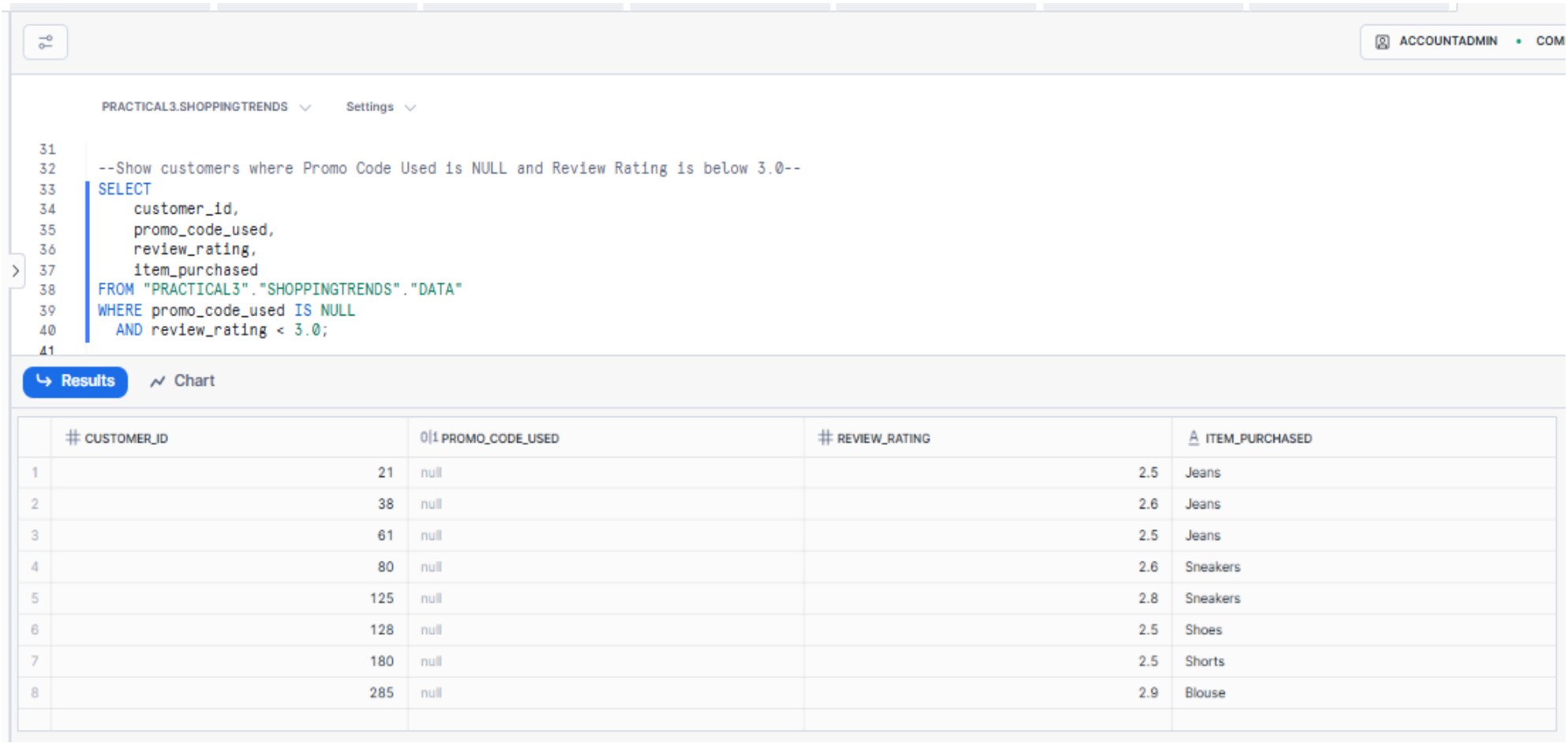
Results Chart

	SEASON	TOTAL_PURCHASES
1	Summer	65
2	Winter	80
3	Fall	55
4	Spring	73
5	Unknown Season	27

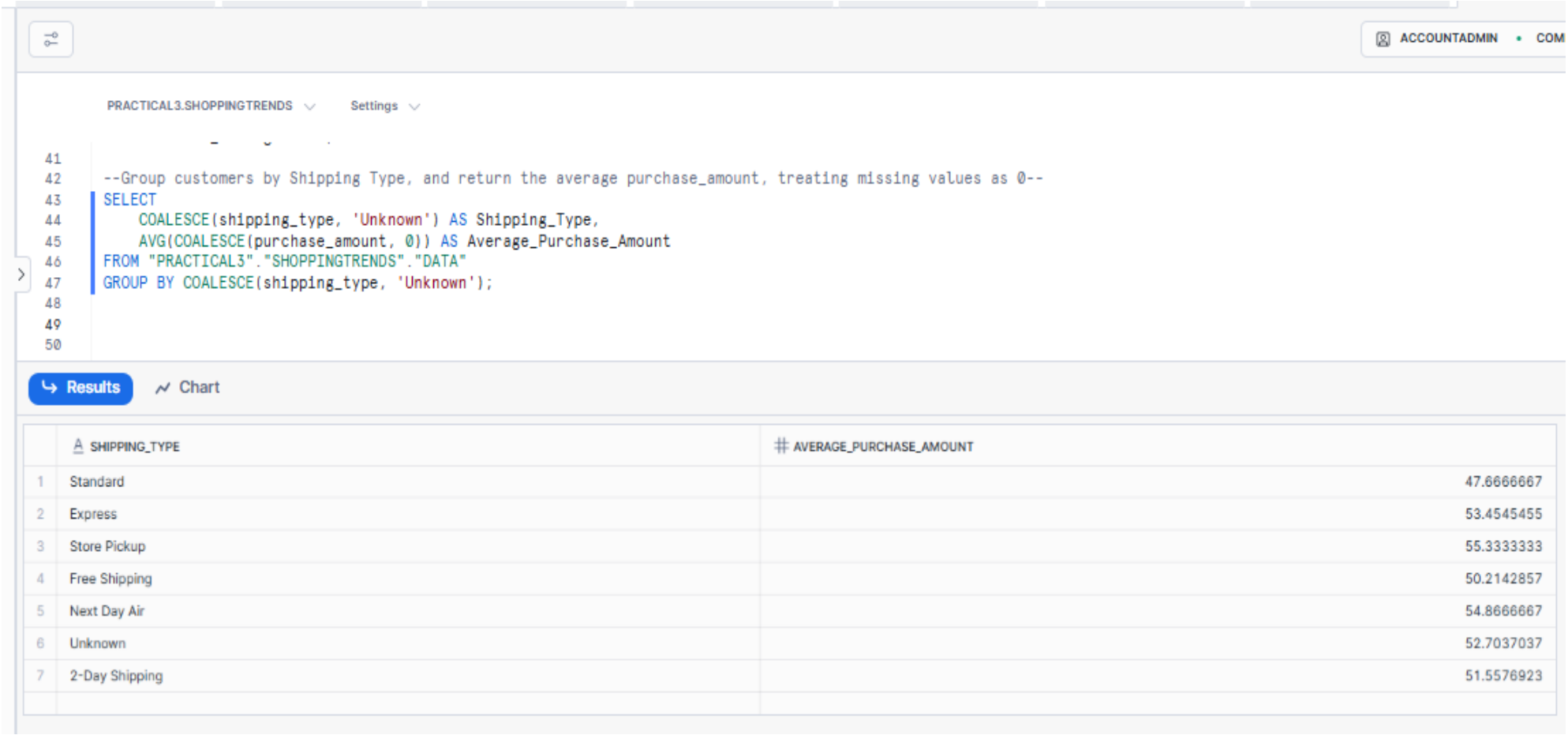
3.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
24
25 --Count how many customers used each Payment Method, treating NULLs as 'Not Provided'--
26 SELECT
27 COALESCE(payment_method, 'Not Provided') AS Payment_Method,
28 COUNT(DISTINCT customer_id) AS Customer_Count
29 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
30 GROUP BY COALESCE(payment_method, 'Not Provided');
31
32
Results
Chart
PAYMENT_METHOD
CUSTOMER_COUNT
1 PayPal 51
2 Bank Transfer 38
3 Debit Card 42
4 Venmo 53
5 Not Provided 30
6 Cash 42
7 Credit Card 44

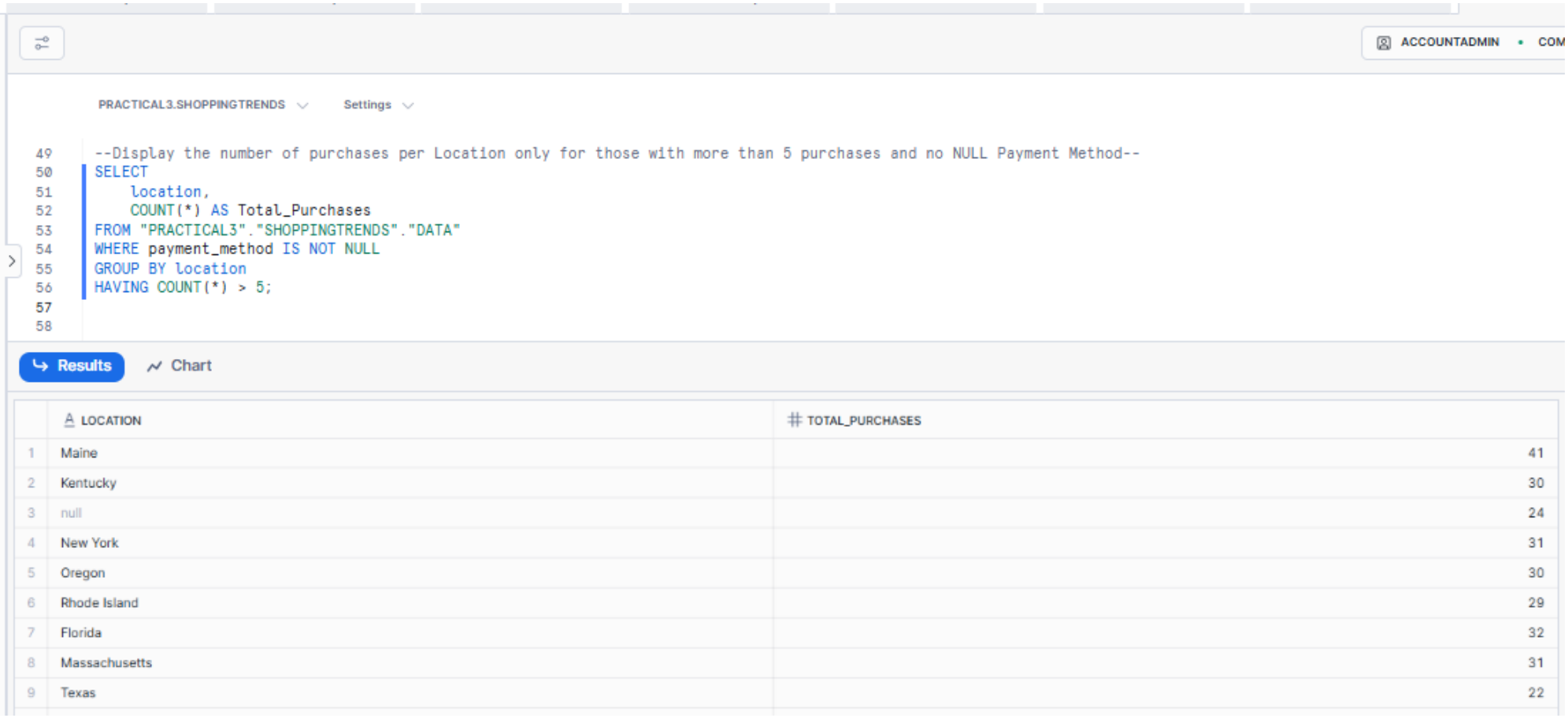
4.


ACCOUNTADMIN
COM
PRACTICAL3.SHOPPINGTRENDS
Settings
31
32 --Show customers where Promo Code Used is NULL and Review Rating is below 3.0--
33 SELECT
34 customer_id,
35 promo_code_used,
36 review_rating,
37 item_purchased
38 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
39 WHERE promo_code_used IS NULL
40 AND review_rating < 3.0;
41
Results
Chart
CUSTOMER_ID
PROMO_CODE_USED
REVIEW_RATING
ITEM_PURCHASED
1 21 null 2.5 Jeans
2 38 null 2.6 Jeans
3 61 null 2.5 Jeans
4 80 null 2.6 Sneakers
5 125 null 2.8 Sneakers
6 128 null 2.5 Shoes
7 180 null 2.5 Shorts
8 285 null 2.9 Blouse

5.

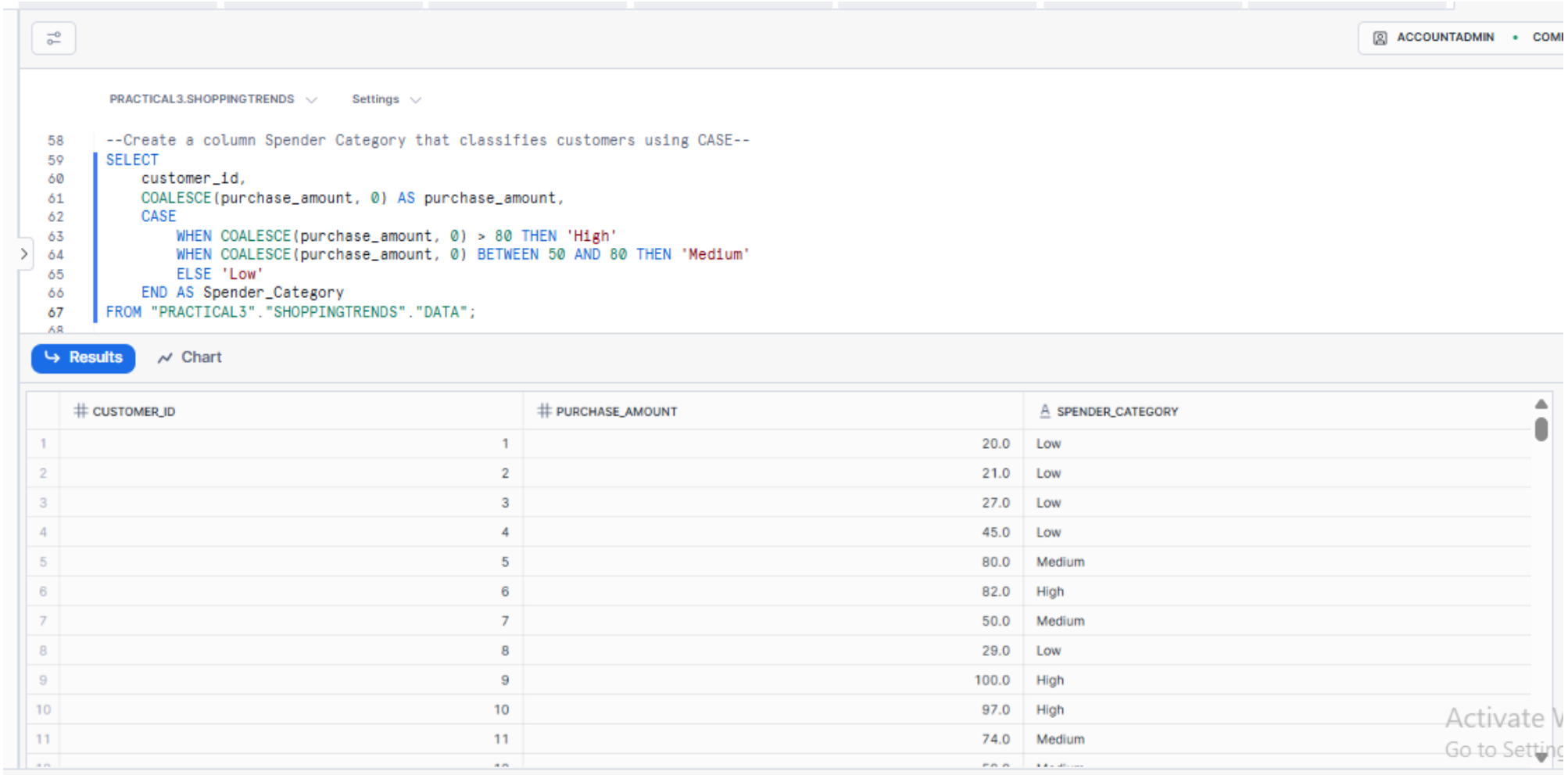

ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
41
42 --Group customers by Shipping Type, and return the average purchase_amount, treating missing values as 0--
43 SELECT
44 COALESCE(shipping_type, 'Unknown') AS Shipping_Type,
45 AVG(COALESCE(purchase_amount, 0)) AS Average_Purchase_Amount
46 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
47 GROUP BY COALESCE(shipping_type, 'Unknown');
48
49
50
Results
Chart
SHIPPING_TYPE
AVERAGE_PURCHASE_AMOUNT
1 Standard 47.6666667
2 Express 53.4545455
3 Store Pickup 55.3333333
4 Free Shipping 50.2142857
5 Next Day Air 54.8666667
6 Unknown 52.7037037
7 2-Day Shipping 51.5576923

6.



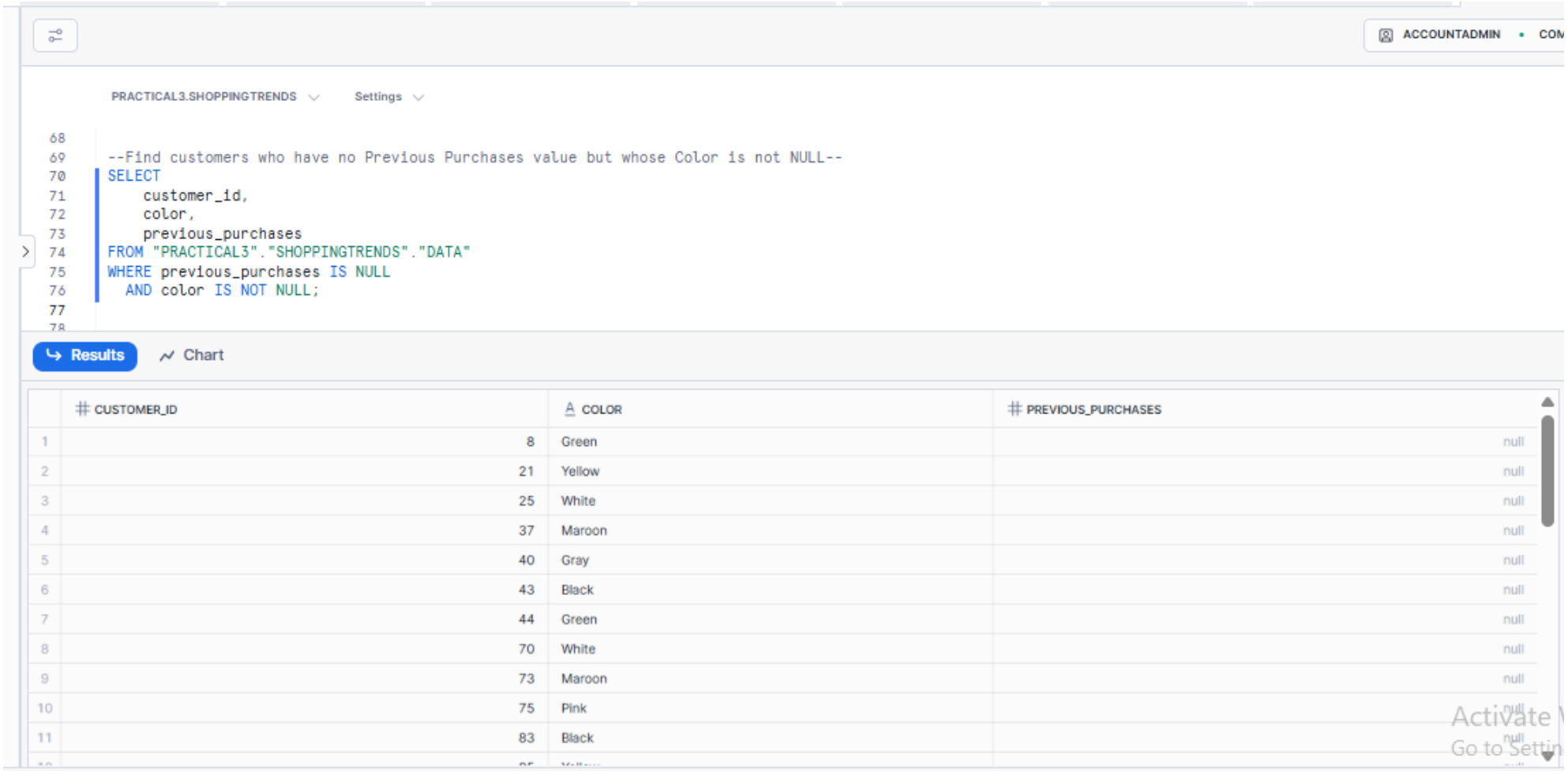
	LOCATION	TOTAL_PURCHASES
1	Maine	41
2	Kentucky	30
3	null	24
4	New York	31
5	Oregon	30
6	Rhode Island	29
7	Florida	32
8	Massachusetts	31
9	Texas	22

7.

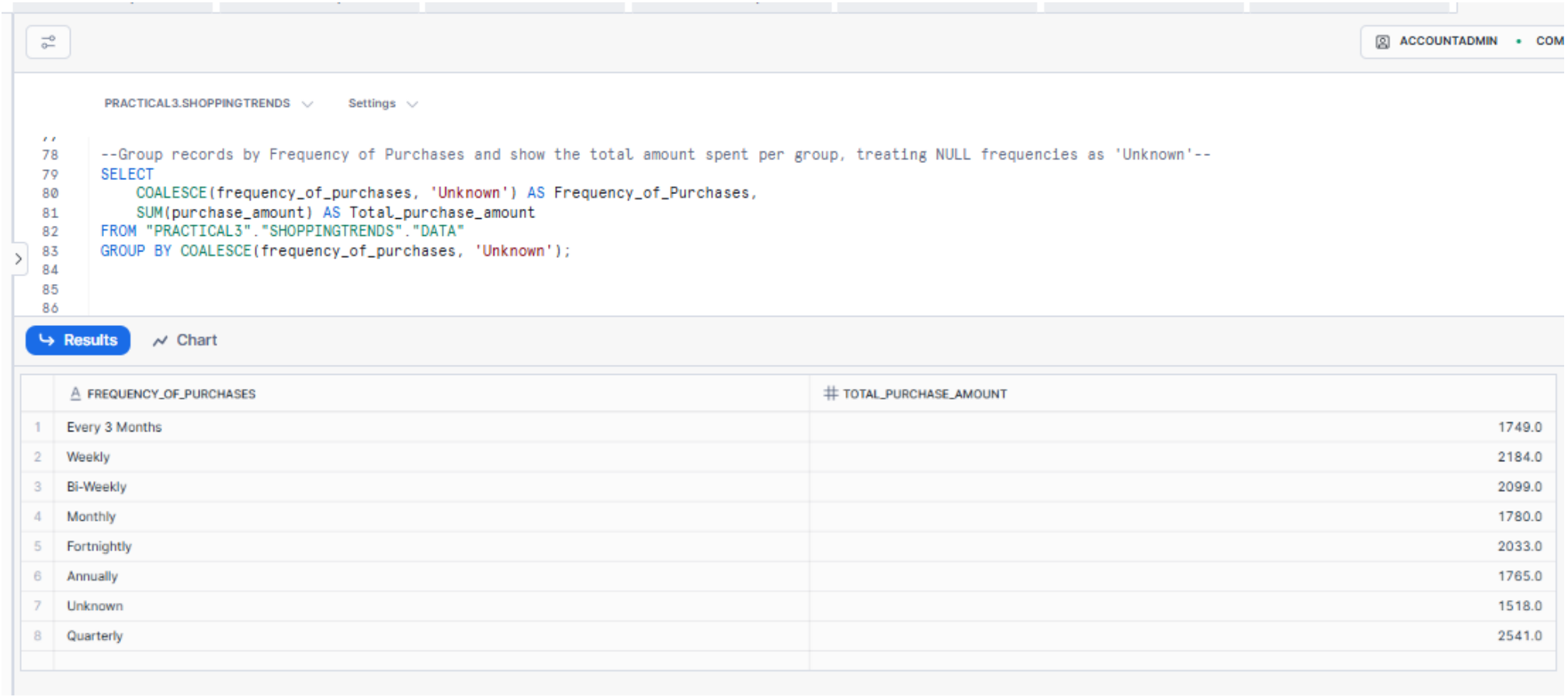


	CUSTOMER_ID	PURCHASE_AMOUNT	SPENDER_CATEGORY
1	1	20.0	Low
2	2	21.0	Low
3	3	27.0	Low
4	4	45.0	Low
5	5	80.0	Medium
6	6	82.0	High
7	7	50.0	Medium
8	8	29.0	Low
9	9	100.0	High
10	10	97.0	High
11	11	74.0	Medium

8.

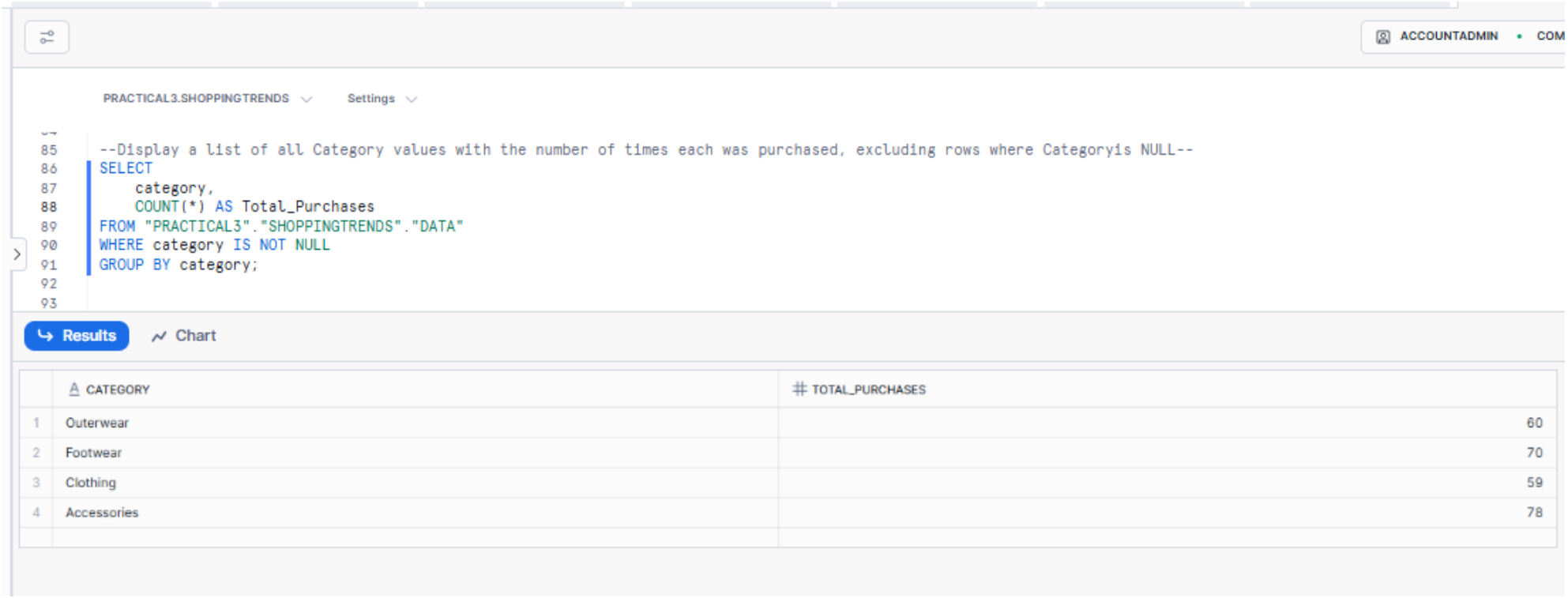

ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
68
69 --Find customers who have no Previous Purchases value but whose Color is not NULL--
70 SELECT
71 customer_id,
72 color,
73 previous_purchases
74 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
75 WHERE previous_purchases IS NULL
76 AND color IS NOT NULL;
77
Results
Chart
CUSTOMER_ID
COLOR
PREVIOUS_PURCHASES
1 8 Green null
2 21 Yellow null
3 25 White null
4 37 Maroon null
5 40 Gray null
6 43 Black null
7 44 Green null
8 70 White null
9 73 Maroon null
10 75 Pink null
11 83 Black null

9.

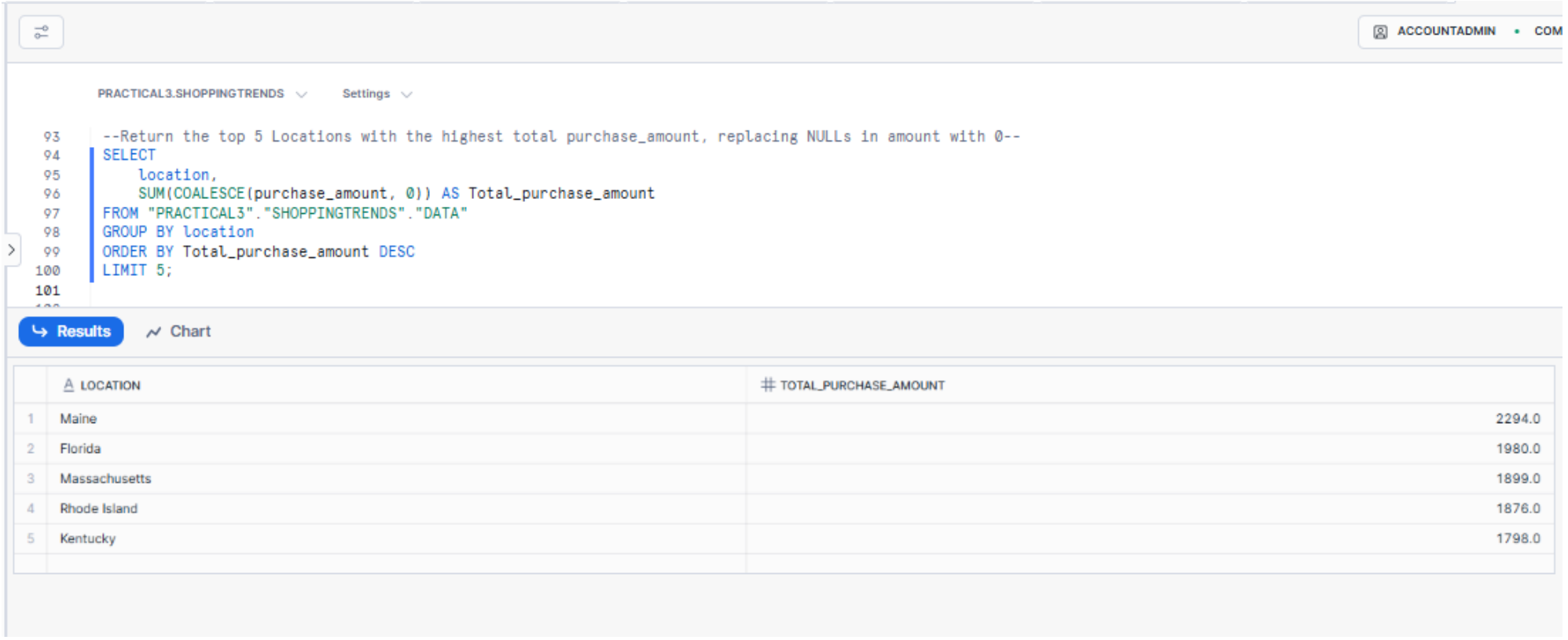


	FREQUENCY_OF_PURCHASES	TOTAL_PURCHASE_AMOUNT
1	Every 3 Months	1749.0
2	Weekly	2184.0
3	Bi-Weekly	2099.0
4	Monthly	1780.0
5	Fortnightly	2033.0
6	Annually	1765.0
7	Unknown	1518.0
8	Quarterly	2541.0

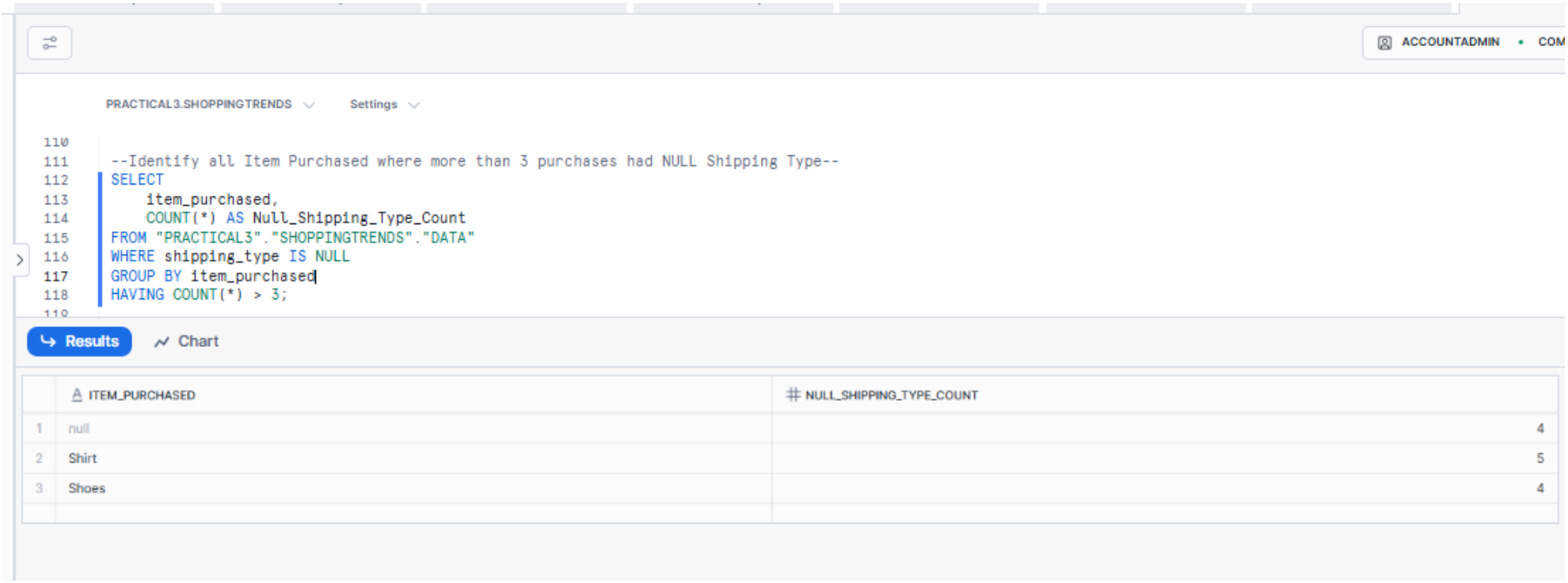
10.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
85 --Display a list of all Category values with the number of times each was purchased, excluding rows where Categoryis NULL--
86 SELECT
87 category,
88 COUNT(*) AS Total_Purchases
89 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
90 WHERE category IS NOT NULL
91 GROUP BY category;
92
93
Results
Chart
CATEGORY
TOTAL_PURCHASES
1 Outerwear 60
2 Footwear 70
3 Clothing 59
4 Accessories 78

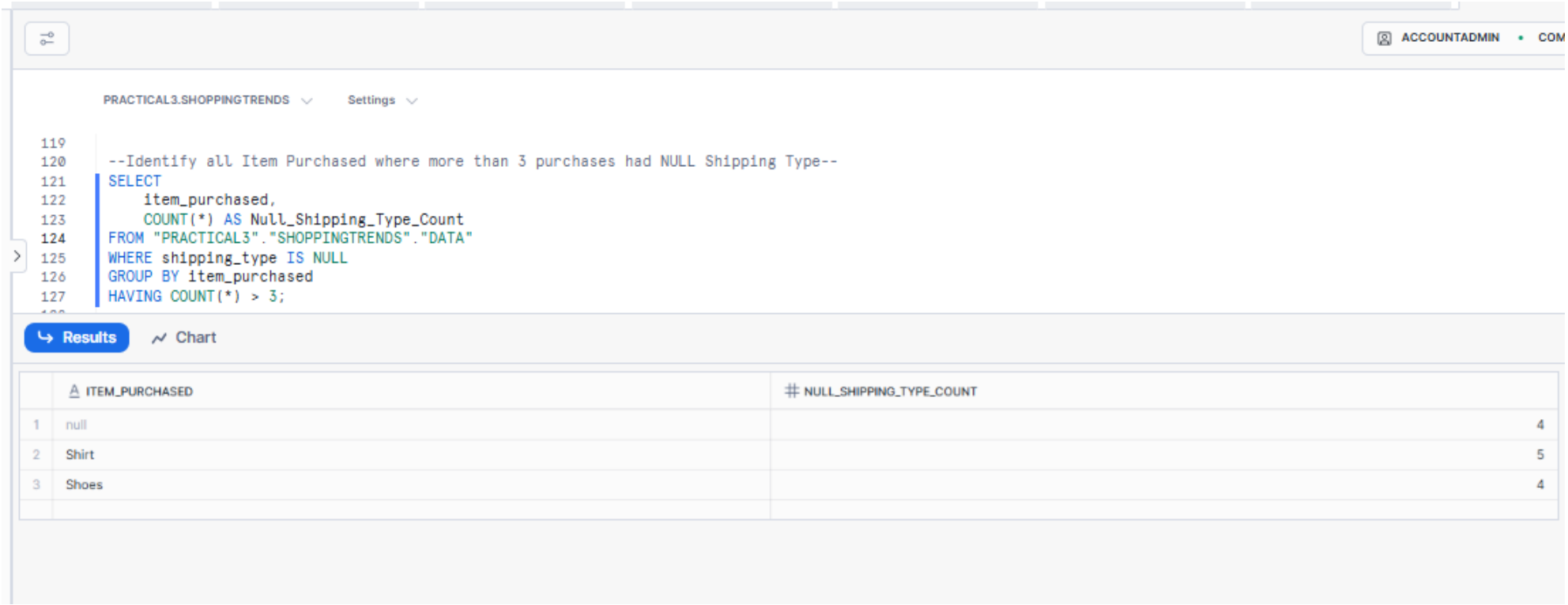
11.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
--Return the top 5 Locations with the highest total purchase_amount, replacing NULLs in amount with 0--
SELECT
location,
SUM(COALESCE(purchase_amount, 0)) AS Total_purchase_amount
FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
GROUP BY location
ORDER BY Total_purchase_amount DESC
LIMIT 5;
Results
Chart
LOCATION
TOTAL_PURCHASE_AMOUNT
1 Maine 2294.0
2 Florida 1980.0
3 Massachusetts 1899.0
4 Rhode Island 1876.0
5 Kentucky 1798.0

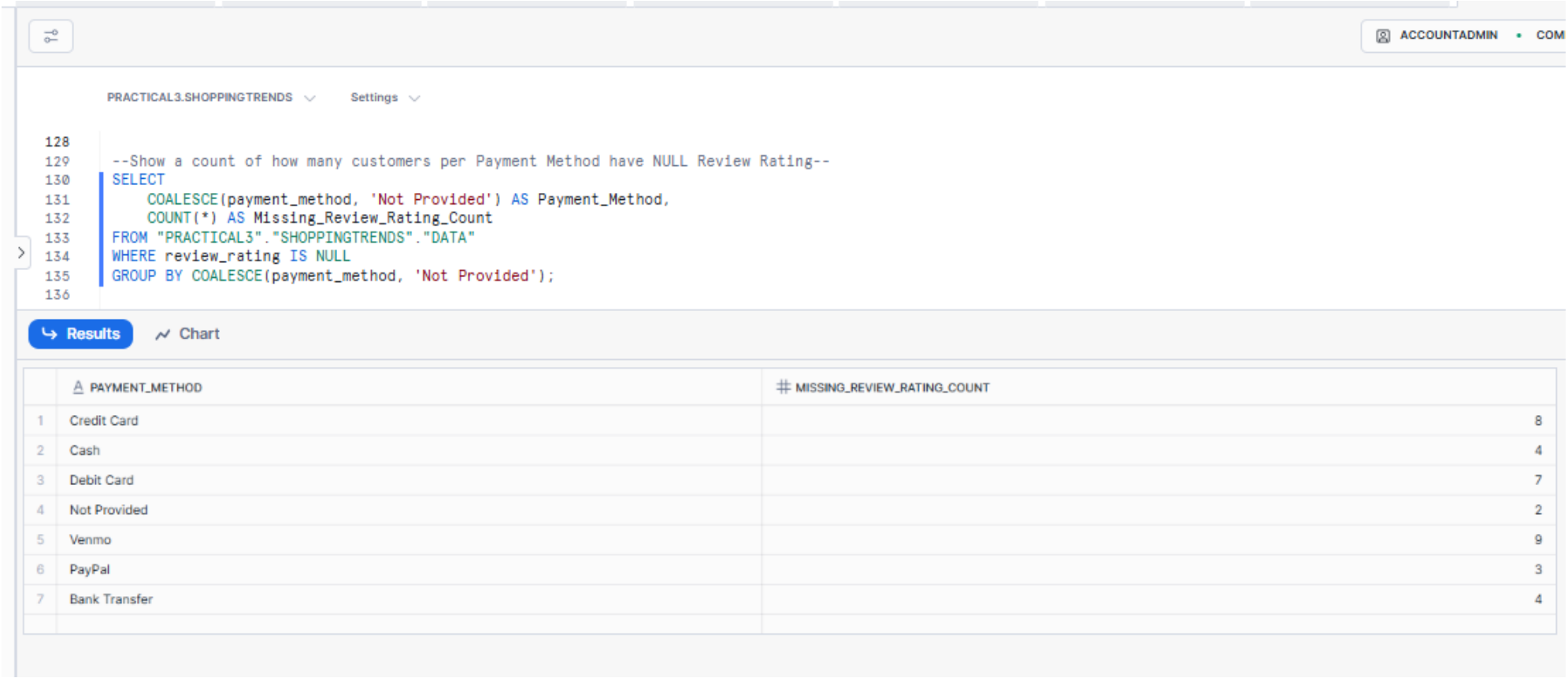
12.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
110
111 --Identify all Item Purchased where more than 3 purchases had NULL Shipping Type--
112 SELECT
113 item_purchased,
114 COUNT(*) AS Null_Shipping_Type_Count
115 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
116 WHERE shipping_type IS NULL
117 GROUP BY item_purchased
118 HAVING COUNT(*) > 3;
Results
Chart
ITEM_PURCHASED
NULL_SHIPPING_TYPE_COUNT
1 null 4
2 Shirt 5
3 Shoes 4

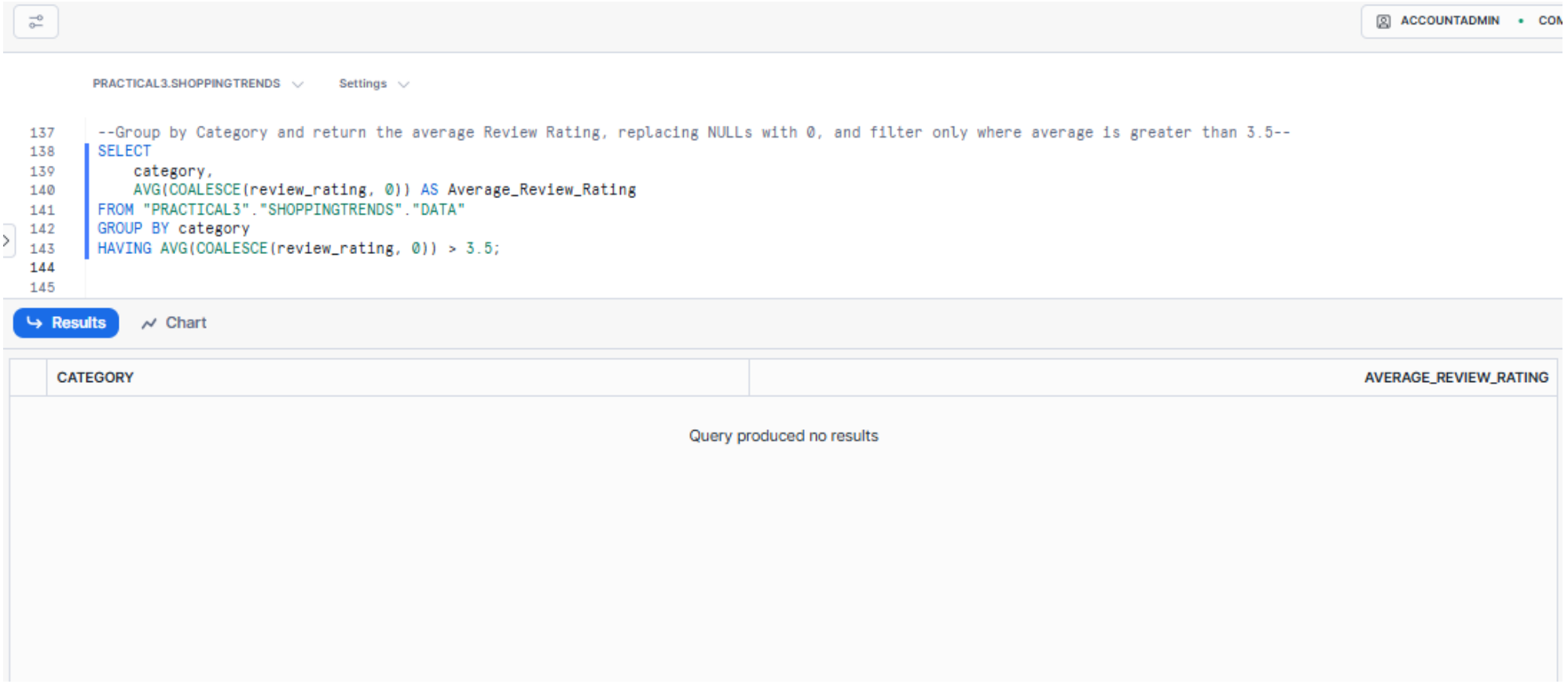
13.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
119
120 --Identify all Item Purchased where more than 3 purchases had NULL Shipping Type--
121 SELECT
122 item_purchased,
123 COUNT(*) AS Null_Shipping_Type_Count
124 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
125 WHERE shipping_type IS NULL
126 GROUP BY item_purchased
127 HAVING COUNT(*) > 3;
Results
Chart
ITEM_PURCHASED
NULL_SHIPPING_TYPE_COUNT
1 null 4
2 Shirt 5
3 Shoes 4

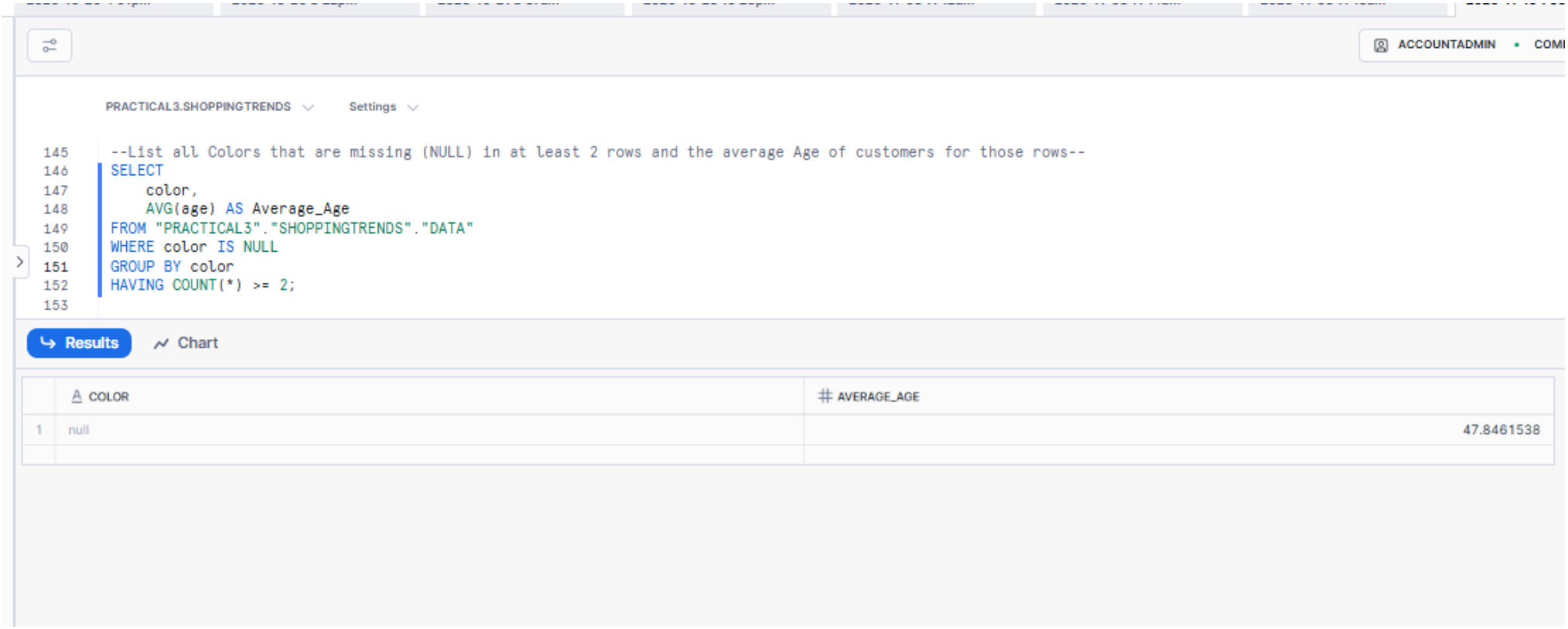
14.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
128
129 --Show a count of how many customers per Payment Method have NULL Review Rating--
130 SELECT
131 COALESCE(payment_method, 'Not Provided') AS Payment_Method,
132 COUNT(*) AS Missing_Review_Rating_Count
133 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
134 WHERE review_rating IS NULL
135 GROUP BY COALESCE(payment_method, 'Not Provided');
136
Results
Chart
PAYMENT_METHOD
MISSING_REVIEW_RATING_COUNT
1 Credit Card 8
2 Cash 4
3 Debit Card 7
4 Not Provided 2
5 Venmo 9
6 PayPal 3
7 Bank Transfer 4

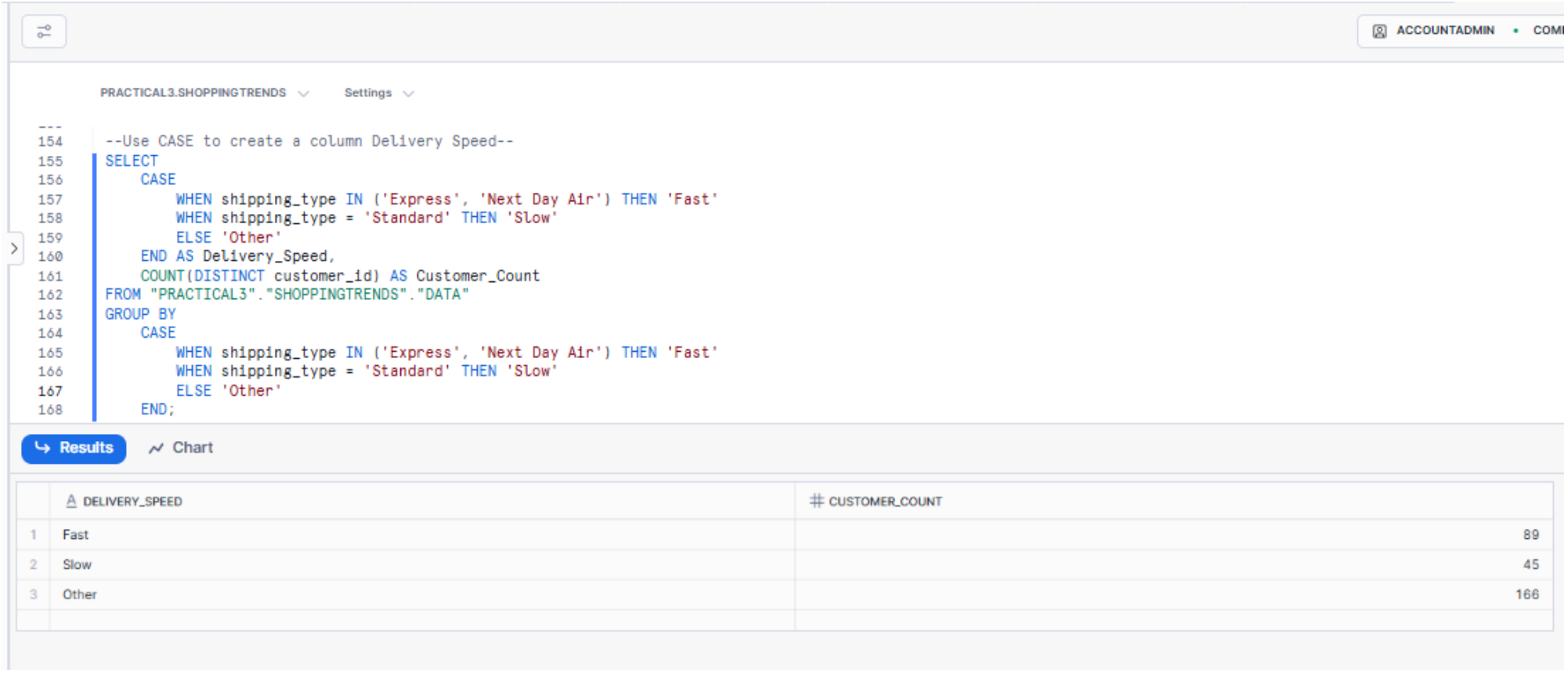
15.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
--Group by Category and return the average Review Rating, replacing NULLs with 0, and filter only where average is greater than 3.5--
SELECT
category,
AVG(COALESCE(review_rating, 0)) AS Average_Review_Rating
FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
GROUP BY category
HAVING AVG(COALESCE(review_rating, 0)) > 3.5;
Results
Chart
CATEGORY
AVERAGE_REVIEW_RATING
Query produced no results

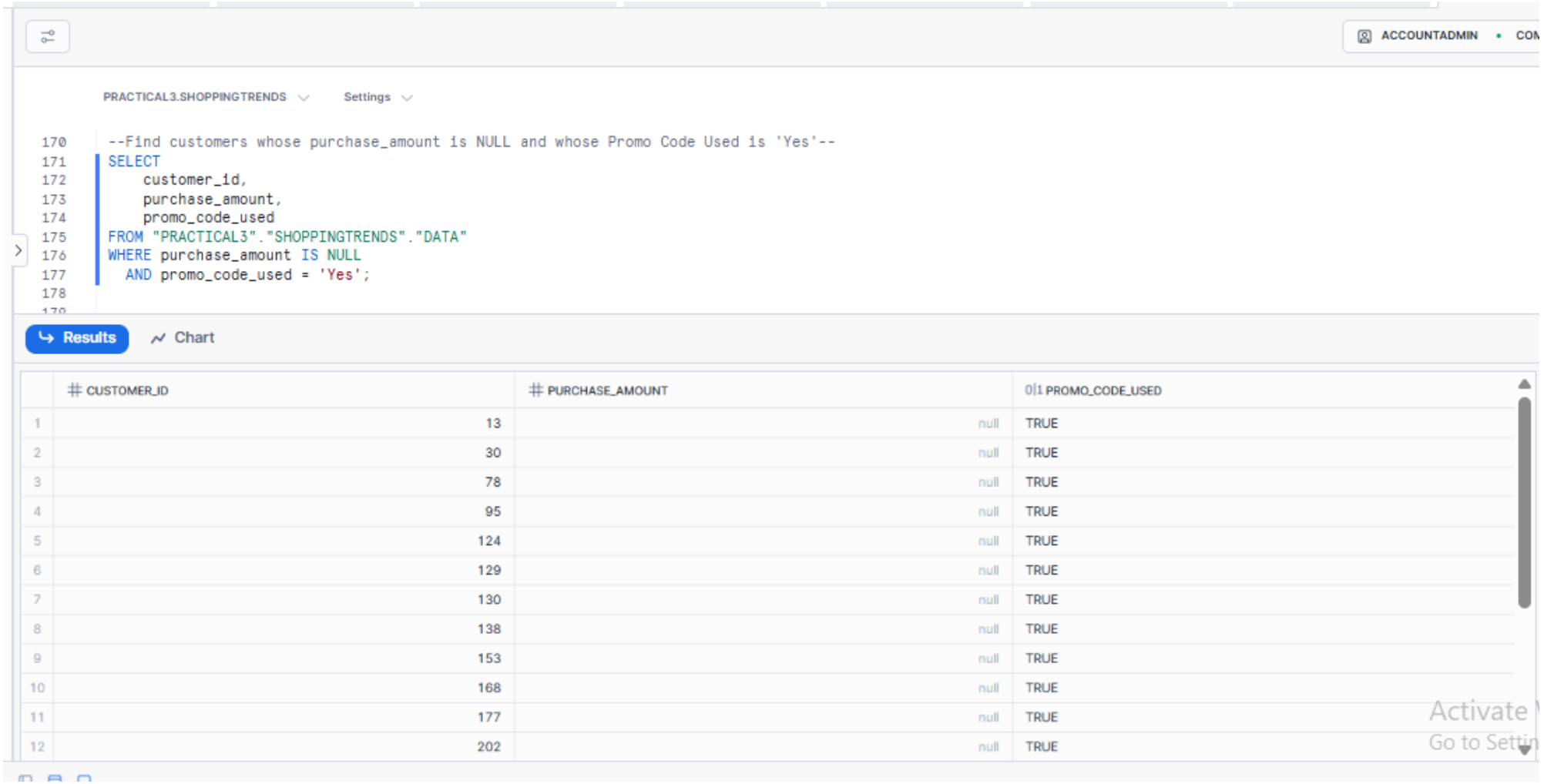
16.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
--List all Colors that are missing (NULL) in at least 2 rows and the average Age of customers for those rows--
SELECT
color,
AVG(age) AS Average_Age
FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
WHERE color IS NULL
GROUP BY color
HAVING COUNT(*) >= 2;
Results
Chart
COLOR
AVERAGE_AGE
1
null
47.8461538

17.

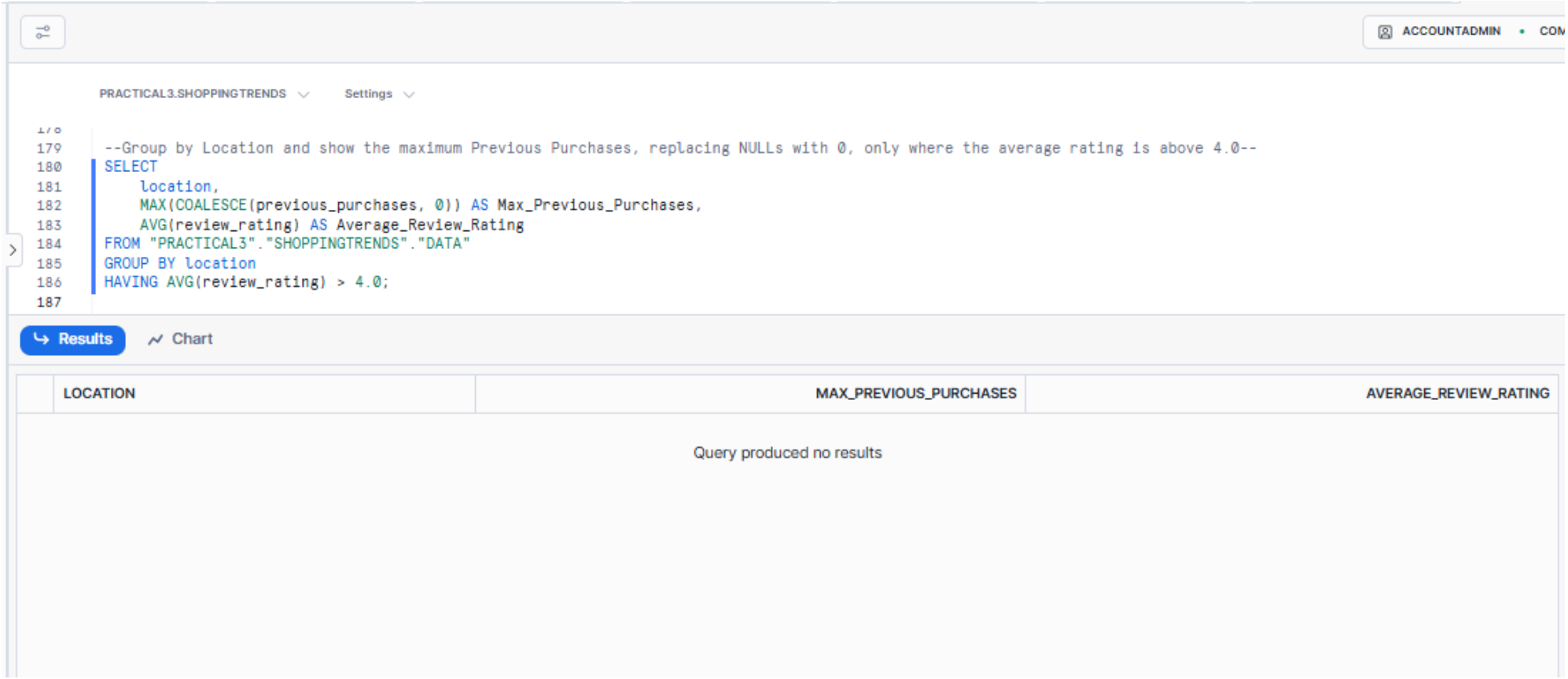

ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
154 --Use CASE to create a column Delivery Speed--
155 SELECT
156 CASE
157 WHEN shipping_type IN ('Express', 'Next Day Air') THEN 'Fast'
158 WHEN shipping_type = 'Standard' THEN 'Slow'
159 ELSE 'Other'
160 END AS Delivery_Speed,
161 COUNT(DISTINCT customer_id) AS Customer_Count
162 FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
163 GROUP BY
164 CASE
165 WHEN shipping_type IN ('Express', 'Next Day Air') THEN 'Fast'
166 WHEN shipping_type = 'Standard' THEN 'Slow'
167 ELSE 'Other'
168 END;
Results
Chart
DELIVERY_SPEED
CUSTOMER_COUNT
1 Fast 89
2 Slow 45
3 Other 166

18.

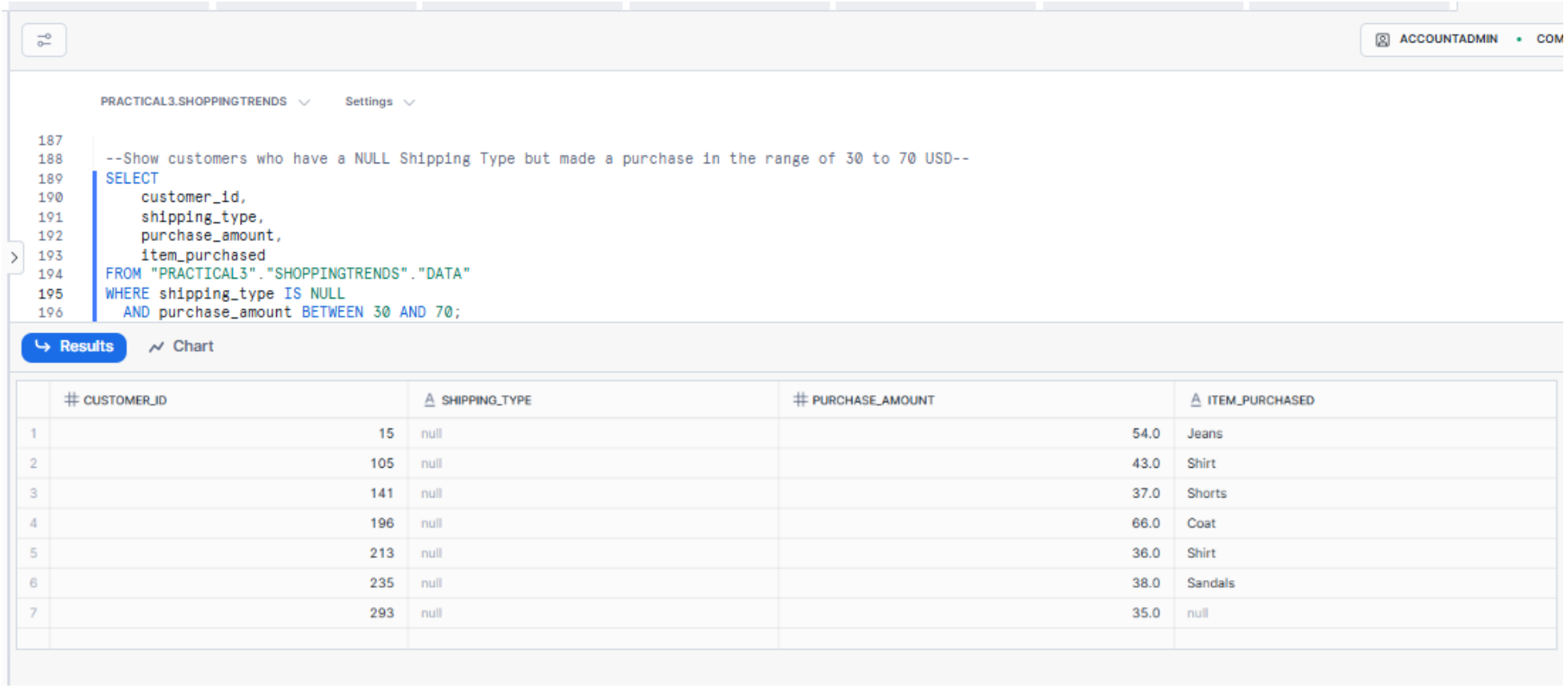


	CUSTOMER_ID	PURCHASE_AMOUNT	PROMO_CODE_USED
1	13	null	TRUE
2	30	null	TRUE
3	78	null	TRUE
4	95	null	TRUE
5	124	null	TRUE
6	129	null	TRUE
7	130	null	TRUE
8	138	null	TRUE
9	153	null	TRUE
10	168	null	TRUE
11	177	null	TRUE
12	202	null	TRUE

19.


ACCOUNTADMIN
PRACTICAL3.SHOPPINGTRENDS
Settings
--Group by Location and show the maximum Previous Purchases, replacing NULLs with 0, only where the average rating is above 4.0--
SELECT
location,
MAX(COALESCE(previous_purchases, 0)) AS Max_Previous_Purchases,
AVG(review_rating) AS Average_Review_Rating
FROM "PRACTICAL3"."SHOPPINGTRENDS"."DATA"
GROUP BY location
HAVING AVG(review_rating) > 4.0;
Results
Chart
LOCATION
MAX_PREVIOUS_PURCHASES
AVERAGE_REVIEW_RATING
Query produced no results

20.



	CUSTOMER_ID	SHIPPING_TYPE	PURCHASE_AMOUNT	ITEM_PURCHASED
1	15	null	54.0	Jeans
2	105	null	43.0	Shirt
3	141	null	37.0	Shorts
4	196	null	66.0	Coat
5	213	null	36.0	Shirt
6	235	null	38.0	Sandals
7	293	null	35.0	null