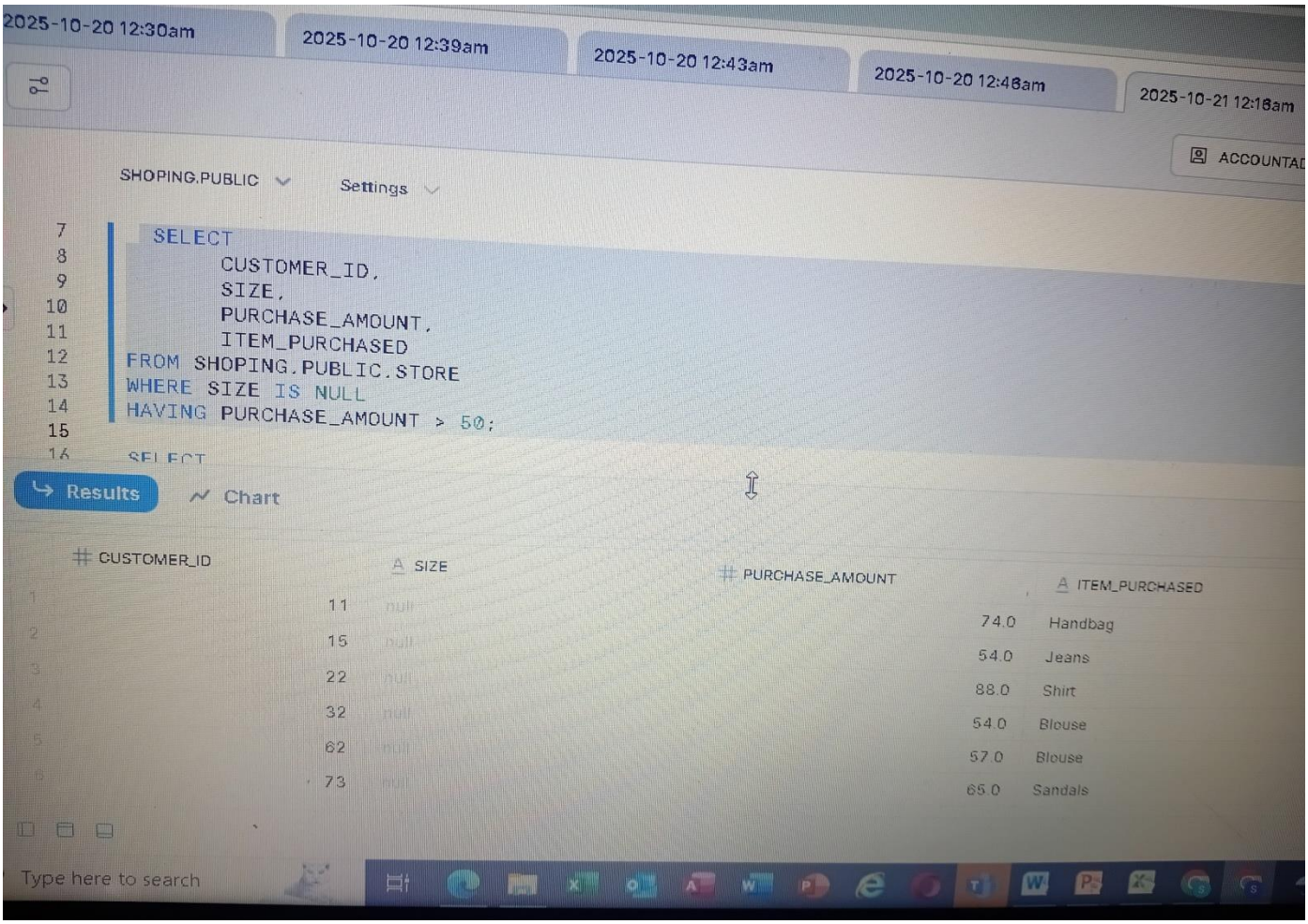
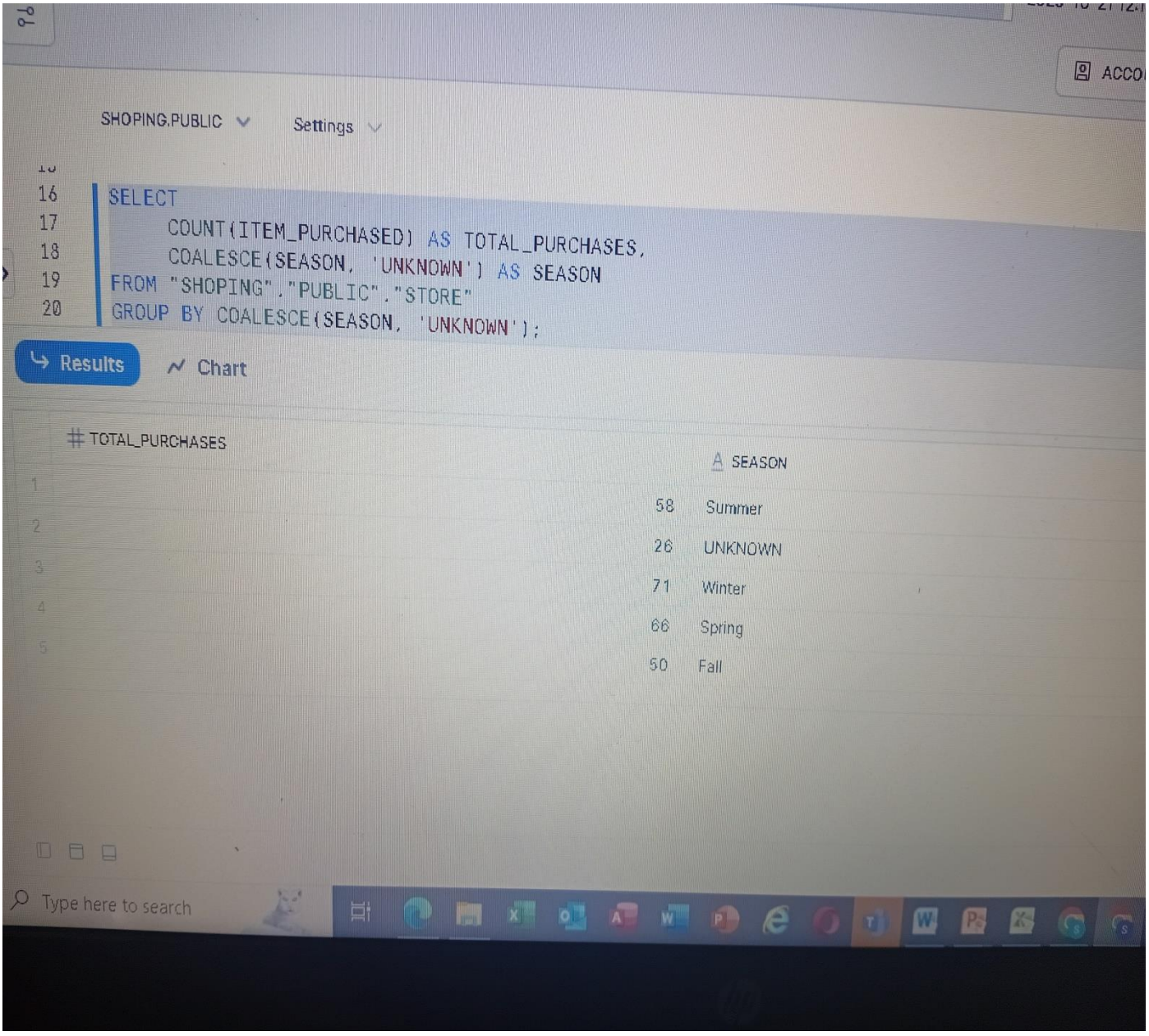
Advanced SQL NULL FUNCTIONS

1 Find all records where size is missing and the purchase_amount is greater than 50.

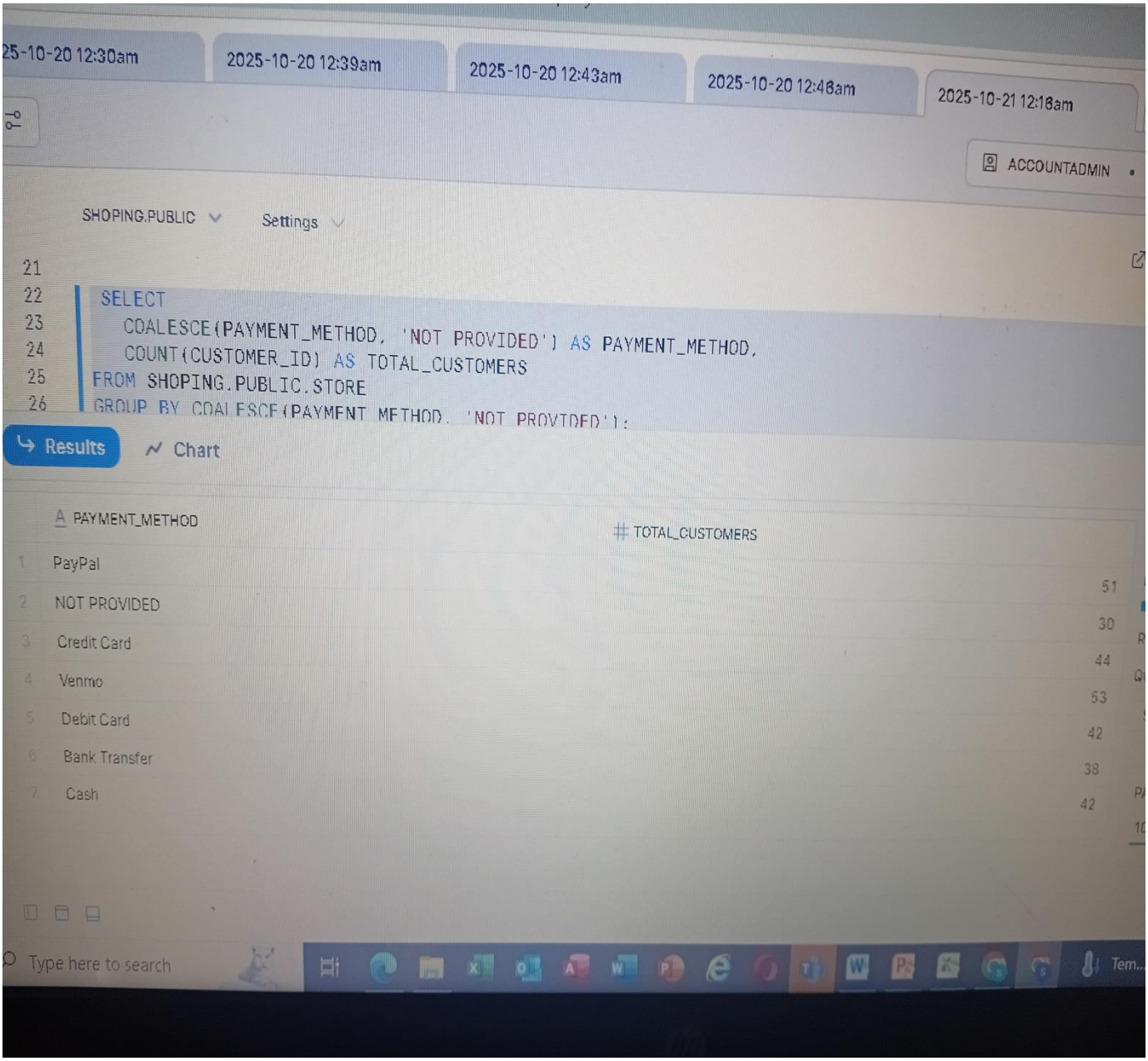
EXPECTED COLUMNS : customer_ID, size, purchase_amount, item_purchased



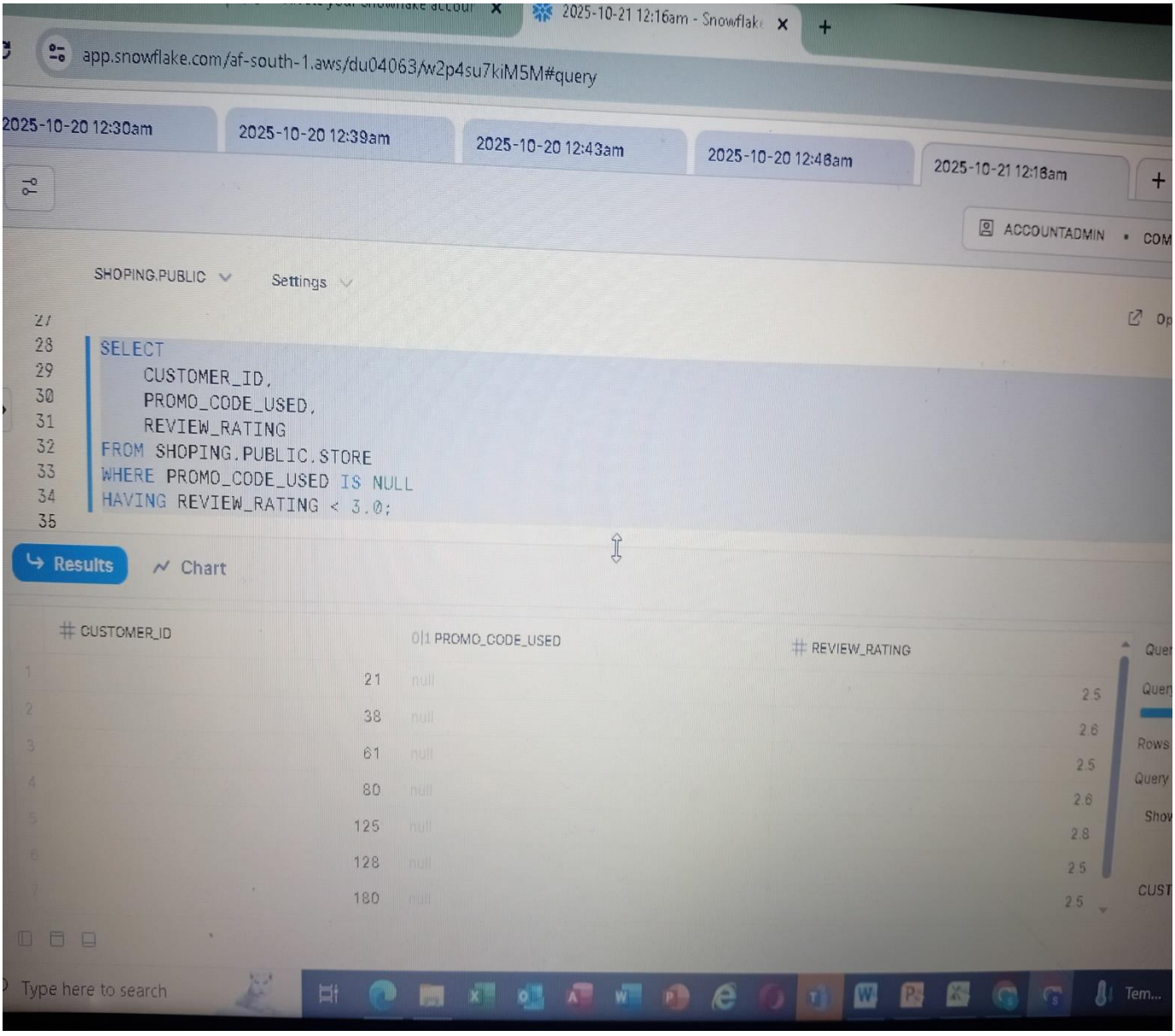
List the total number of purchases grouped by Season, treating NULL values as 'Unknown Season'.Expected Columns: Season, Total Purchases



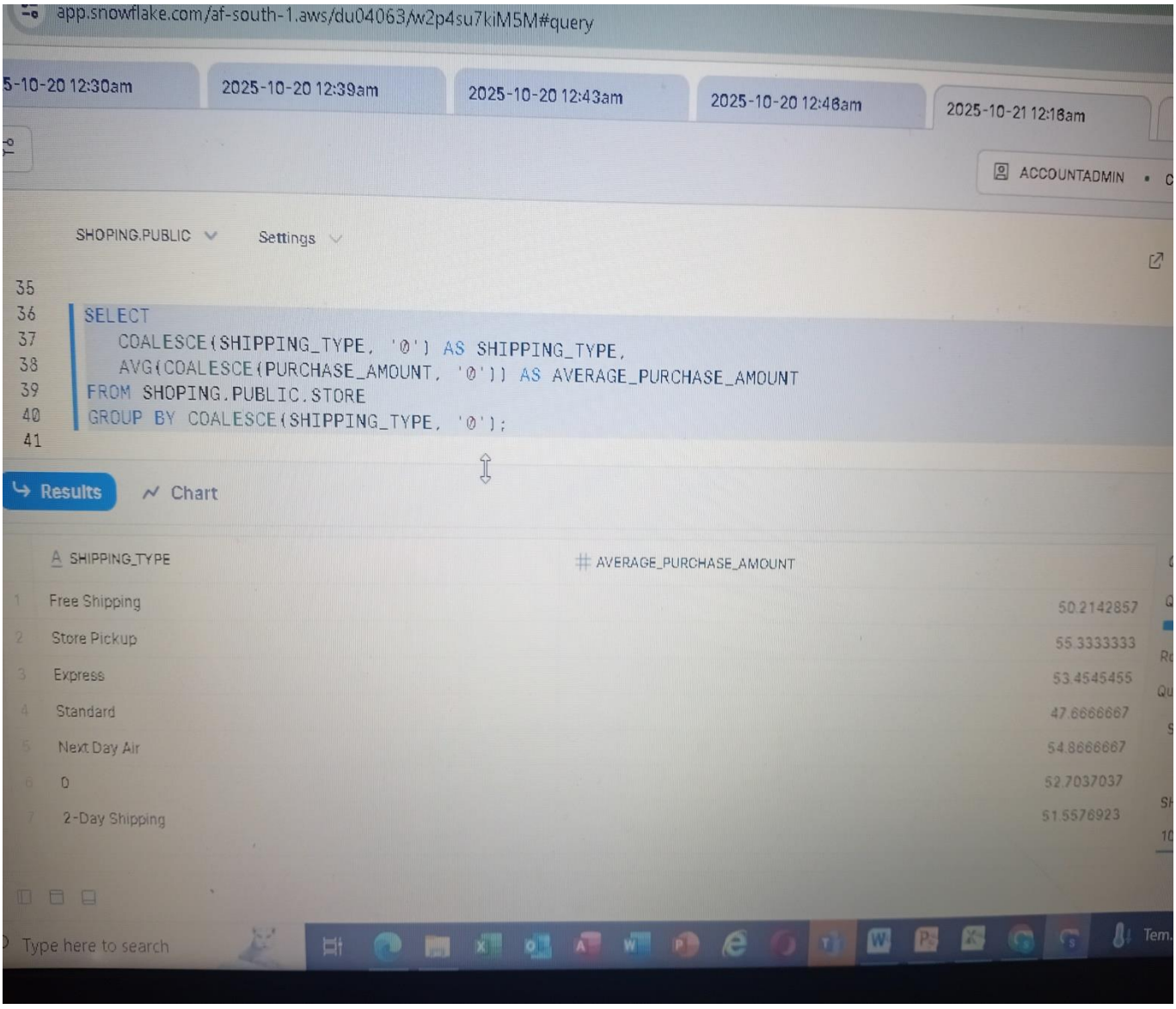
Count how many customers used each Payment Method, treating NULLs as 'Not Provided'.Expected Columns: Payment Method, Customer Count



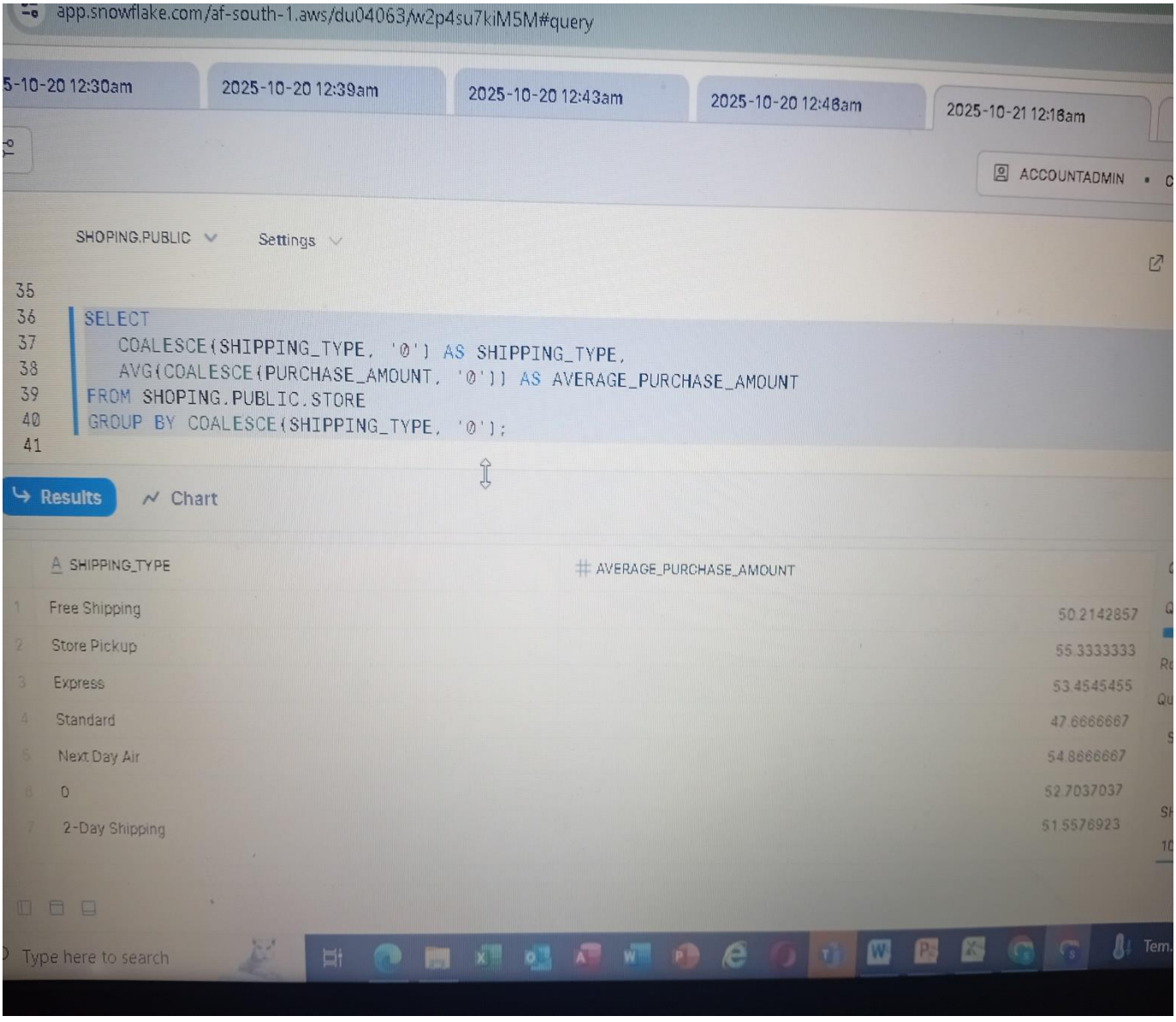
Show customers where Promo Code Used is NULL and Review Rating is below 3.0.Expected Columns: Customer ID, Promo Code Used, Review Rating, Item Purchased



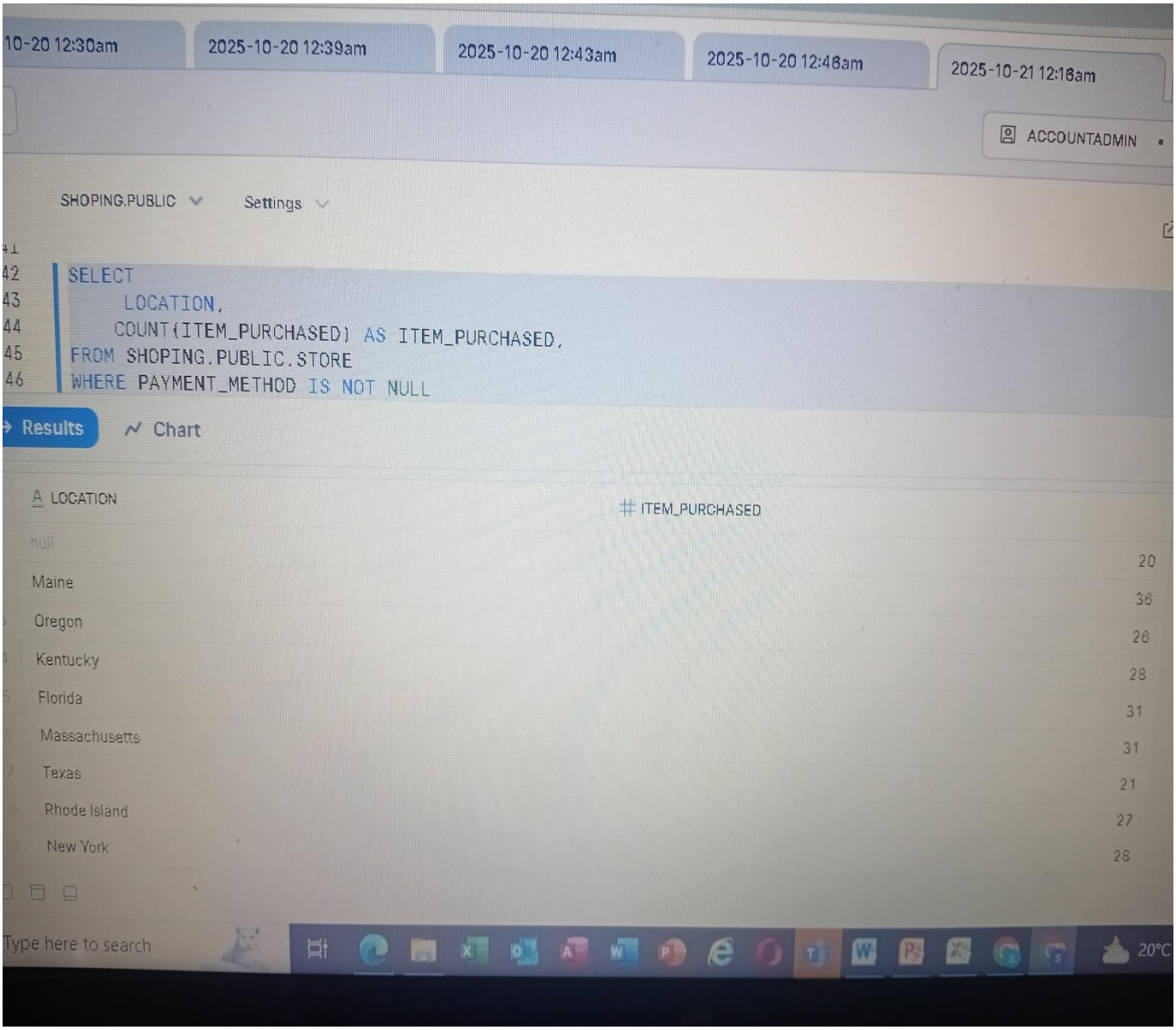
Group customers by Shipping Type, and return the average purchase_amount, treating missing values as 0.Expected Columns: Shipping Type, Average purchase_amount



Display the number of purchases per Location only for those with more than 5 purchases and no NULL Payment Method.Expected Columns: Location, Total Purchases



Create a column Spender Category that classifies customers using CASE: 'High' if amount > 80, 'Medium' if BETWEEN 50 AND 80, 'Low' otherwise. Replace NULLs in purchase_amount with 0.Expected Columns: Customer ID, purchase_amount, Spender Category



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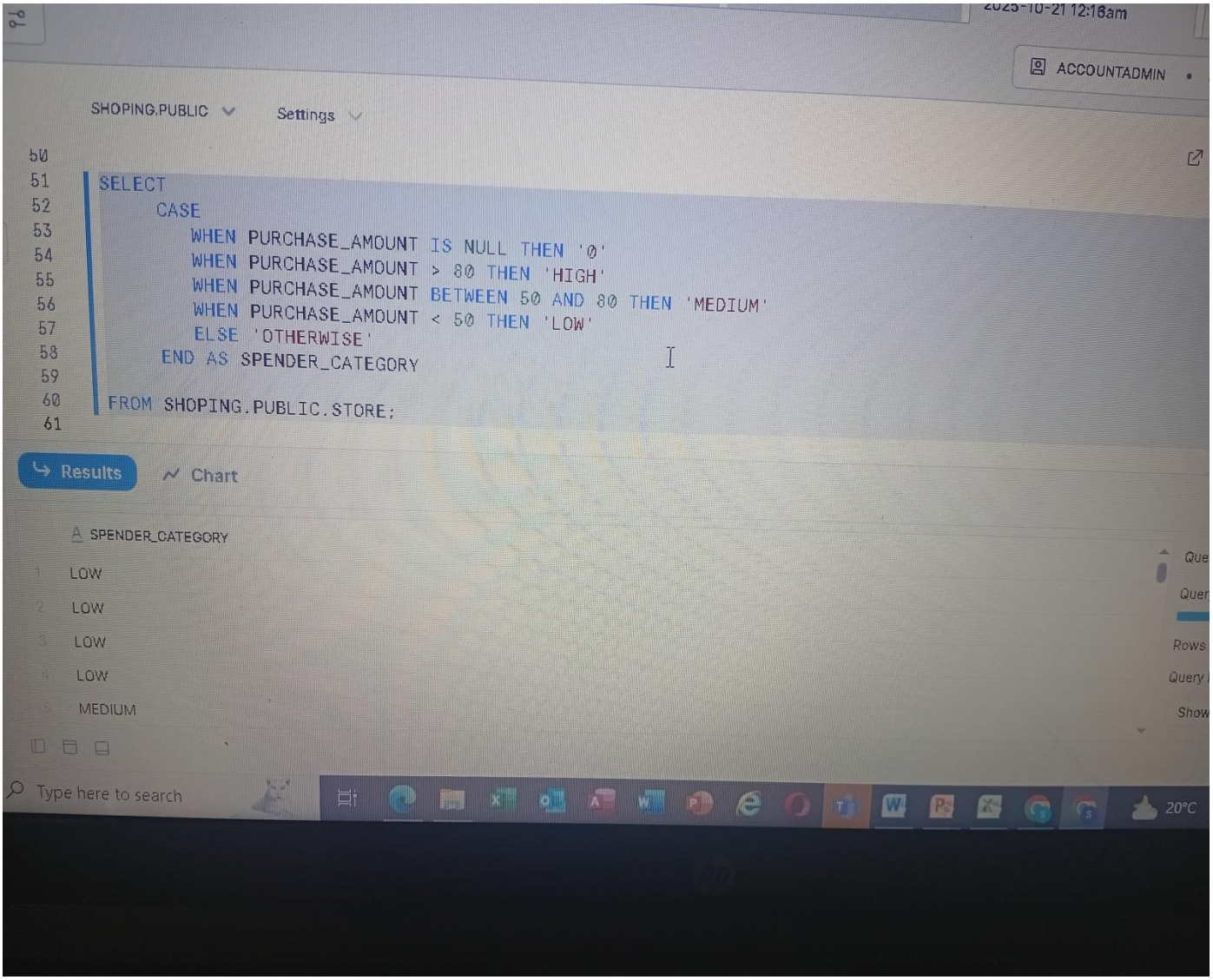
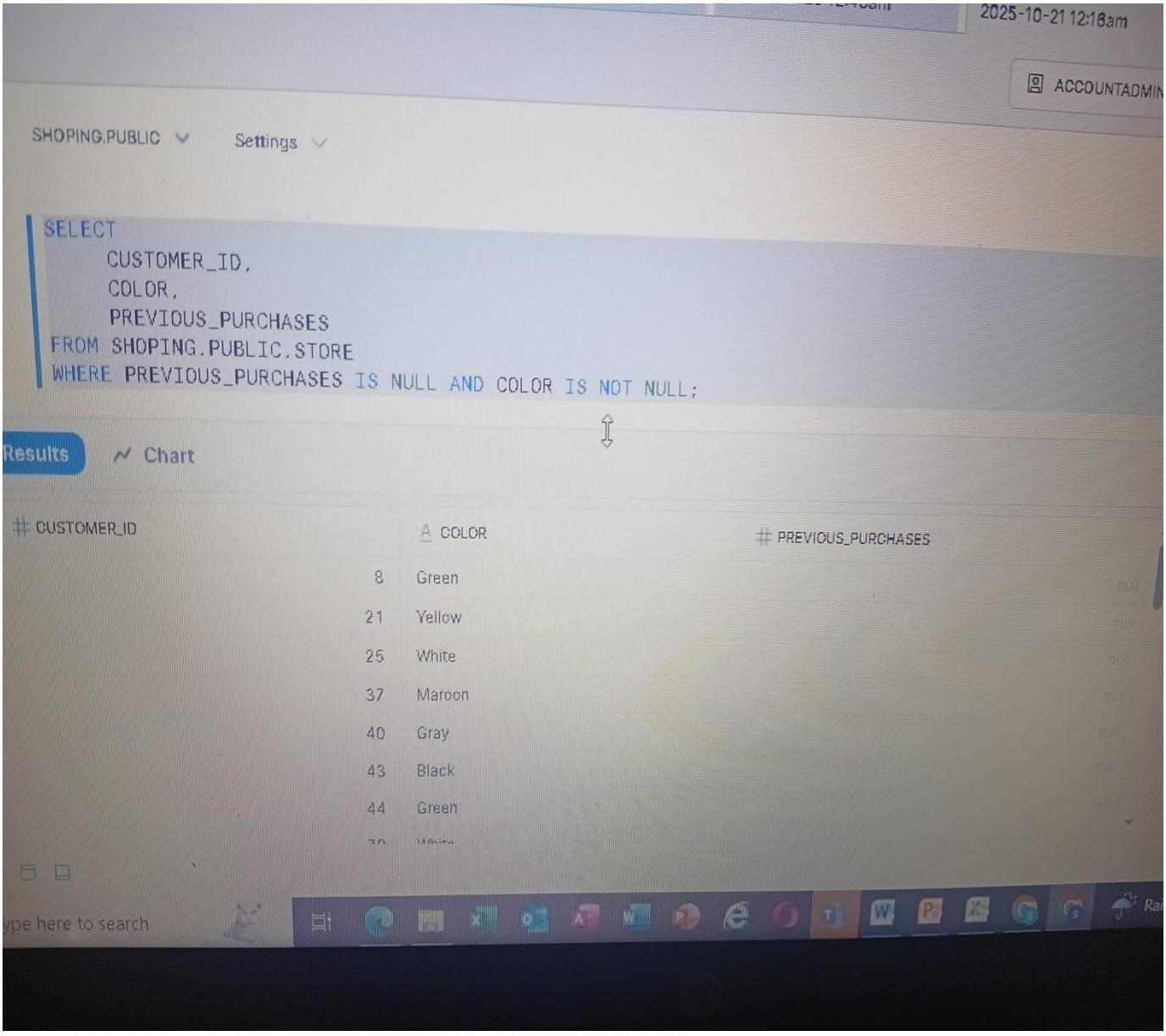
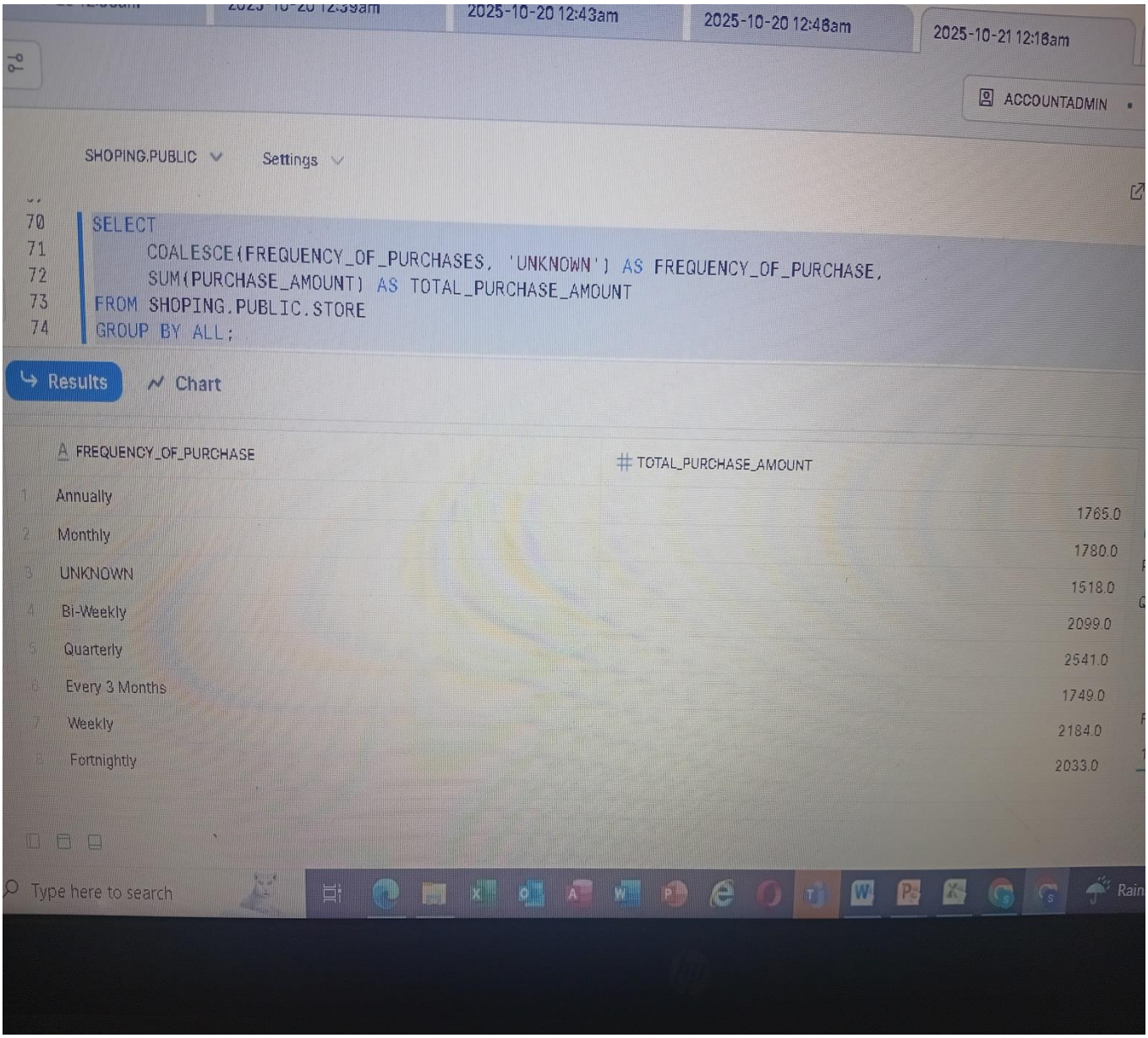


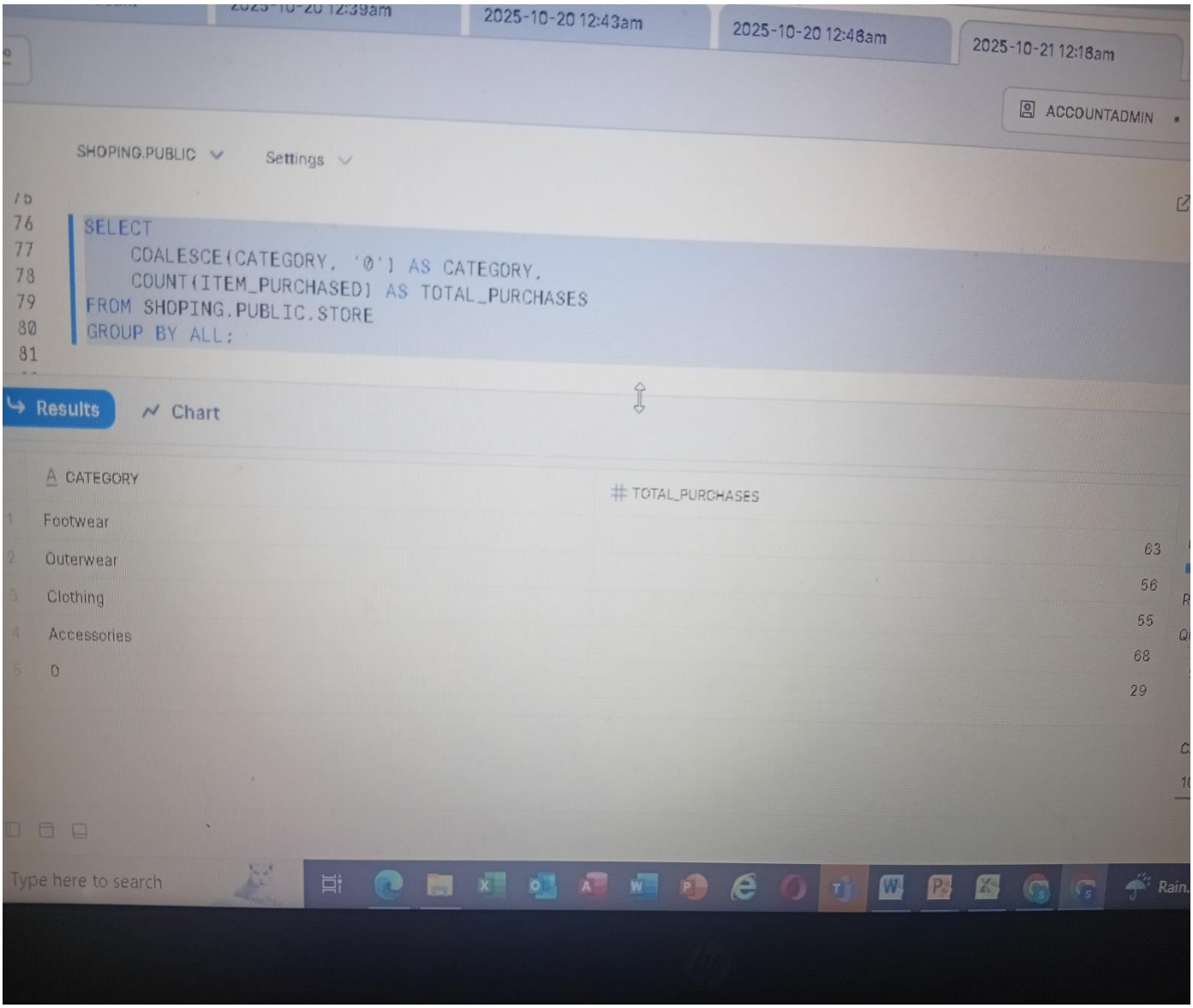
Find customers who have no Previous Purchases value but whose Color is not NULL.Expected Columns: Customer ID, Color, Previous Purchases



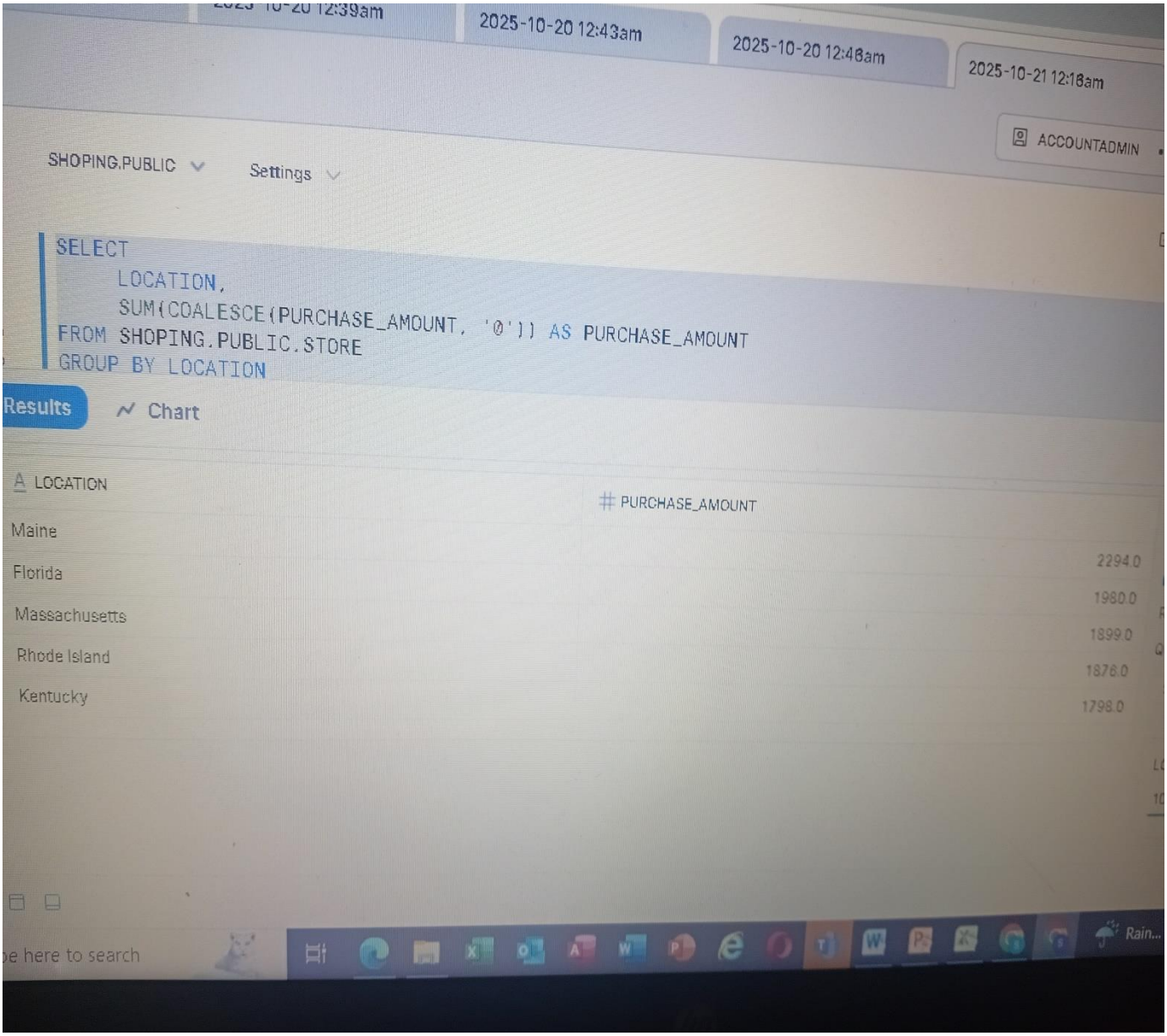
Group records buy frequencyof purchases and show the total amount spent per group, treating NULL frequencies as ‘Unknown’. Expected Columns : Frequency of Purchases, Total purchases amount



Display a list of all category values with the number of times each was purchased, excluding rows where categories is NULL. Expected columns: category, Total purchases

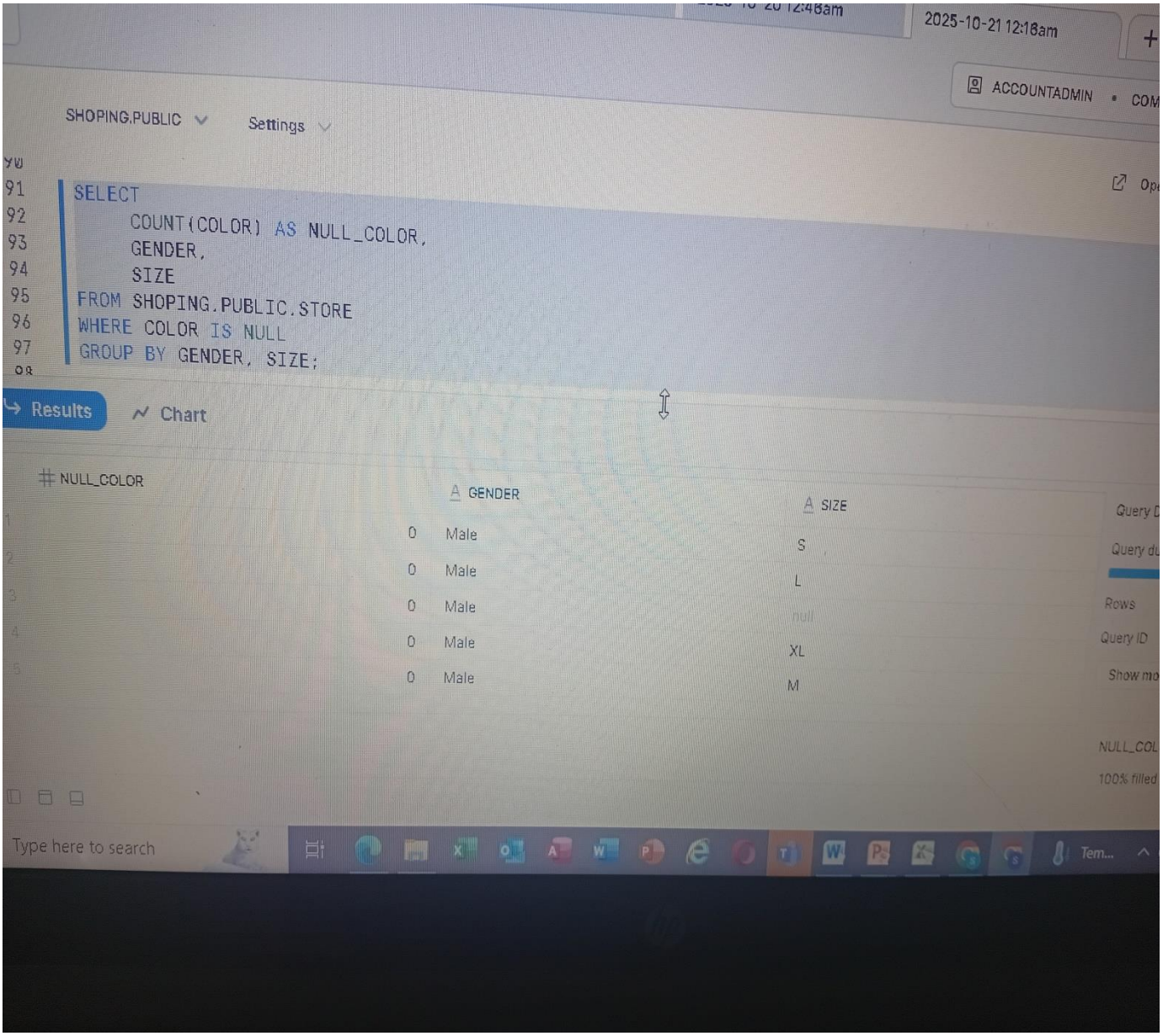


Return the top 5 location with highest total purchases amount, replacing NULL in amount with 0. Expected columns: locations, Total purchases amount.

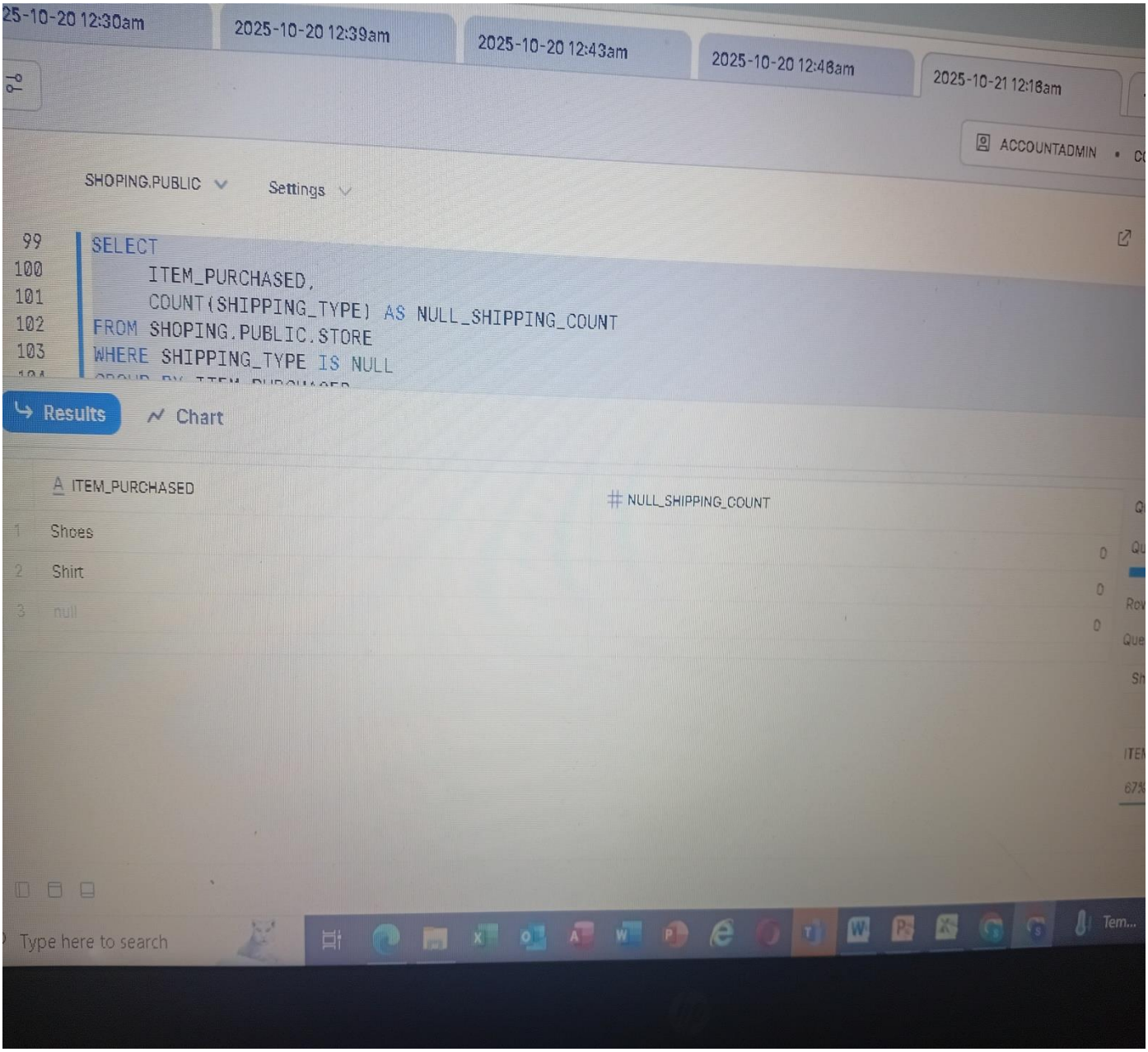


Group customer by Gender and Size and count how many entries have a NULL in color

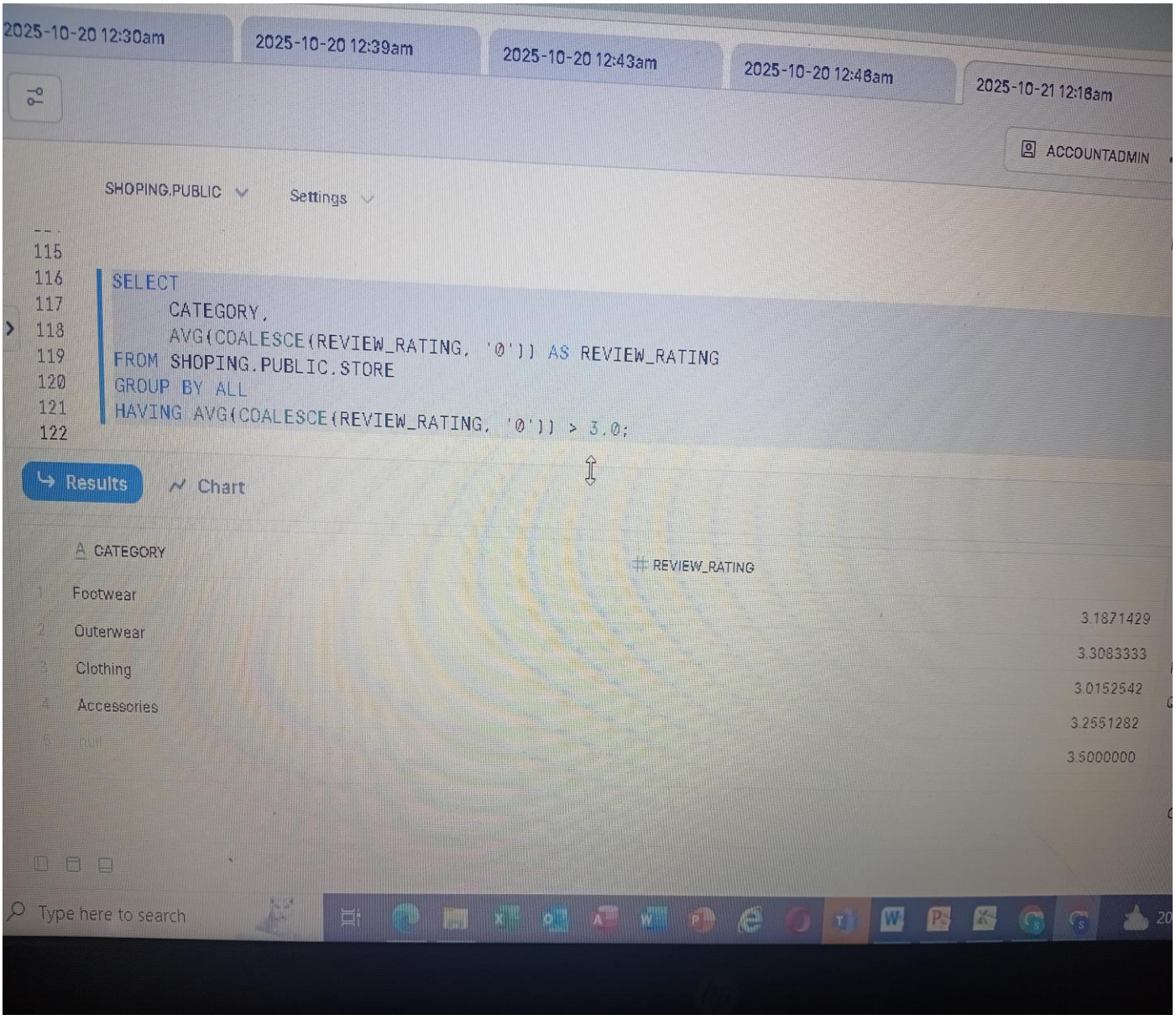
Expected columns: Gneder,Size and count color null



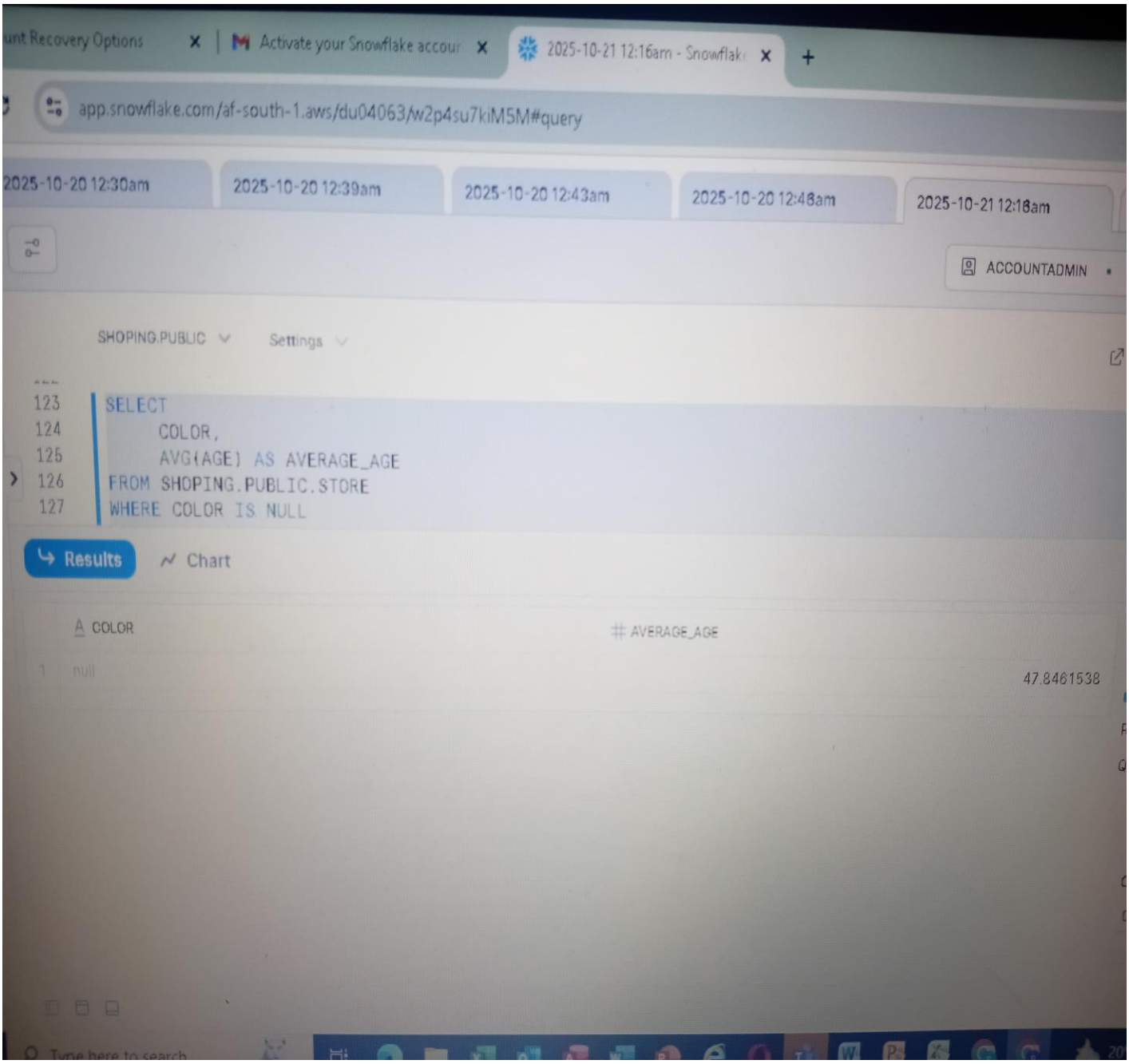
Identify all the purchased where more than 3 purchases had null shipping type. Expected columns: item purchased, null shipping type count null.



Show a count of how many customers per payment method have null review rating. Expected columns: payment method , missing review rating count.



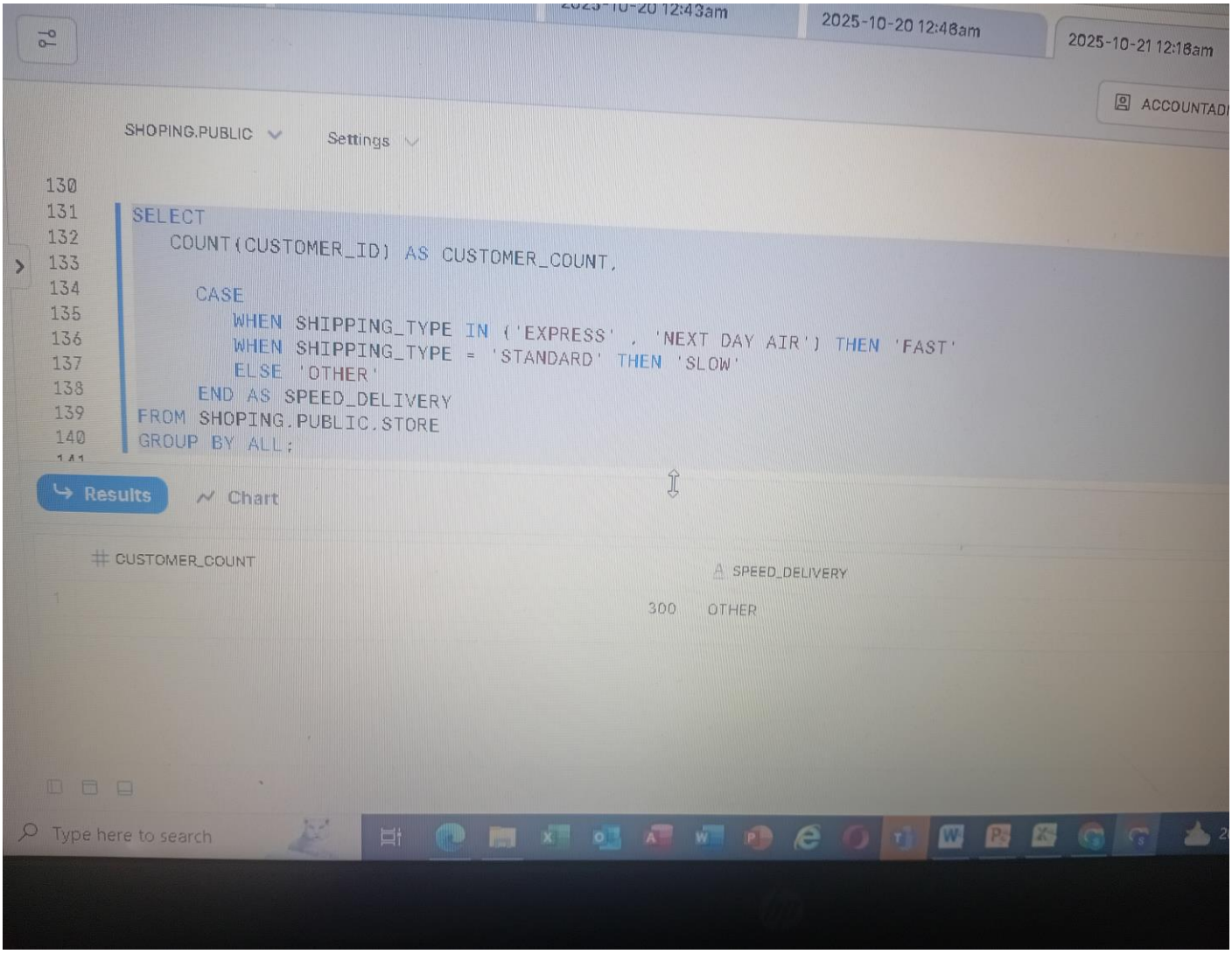
List all colors that are missing (Null) in at least 2 rows and the average age of customers for those rows.



Use a case to create a column Delivery speed ‘fast ‘ if shipping is ‘Express’ or ‘next day air’, slow if ‘standard’

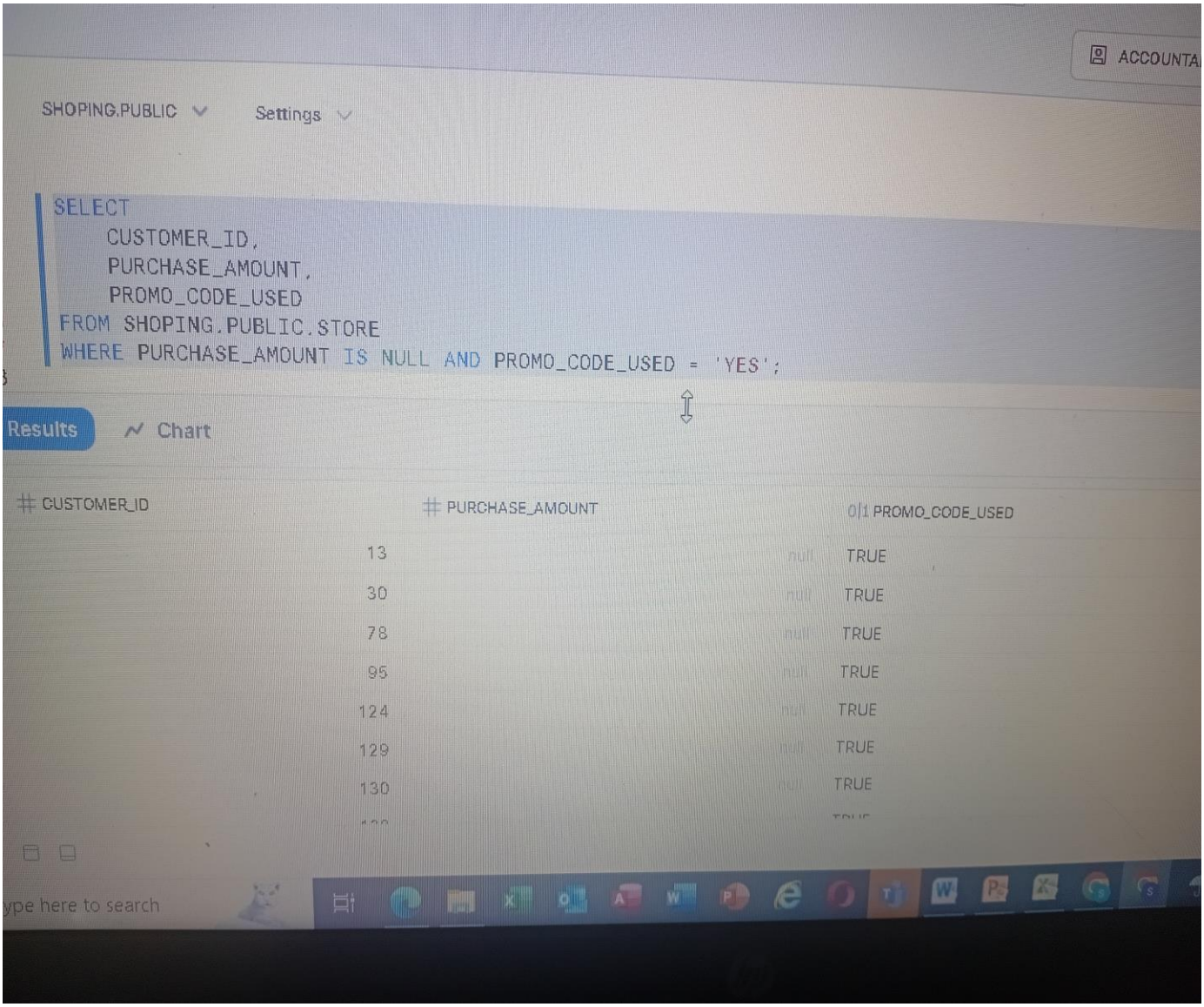
Other for all else including Null. Then count how many customers fall into each category.

Expected column: delivery speed , customer count



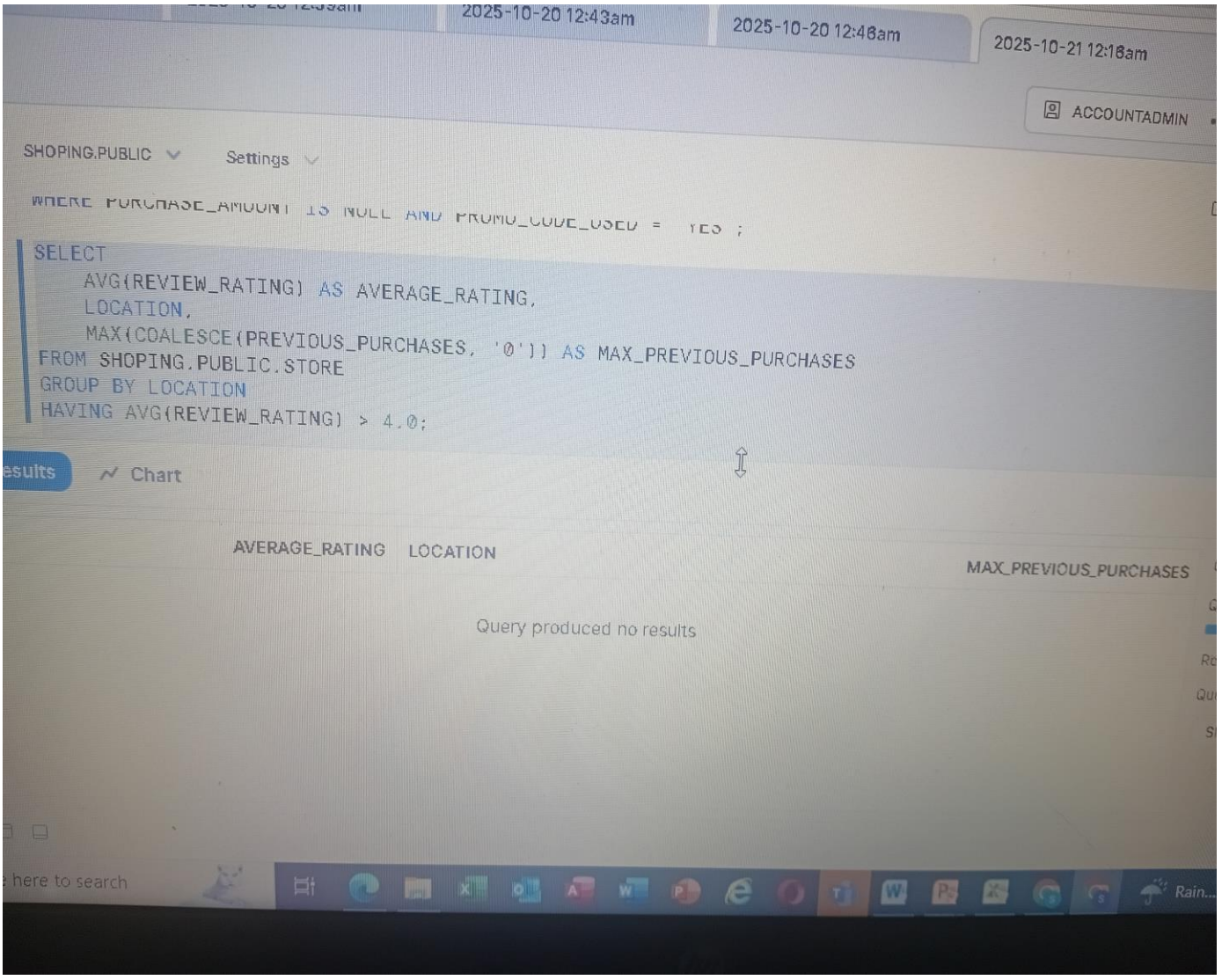
Find customers whose purchase amount is Nulland whose promo code used is ‘yes’

Expected column: customerID , Purchase amount , Promo code used.



Group by location and show and show maximum previous purchases , replacing Nulls with 0, only where average rating is above 4.0

Expected: Location ,max previous purchases, average review rating.



Show customers who have a Null shipping type but made a purchase in the range of 30 to 70 USD.

Expected: CustomerID , Shipping type , Purchase amount, item purchased.