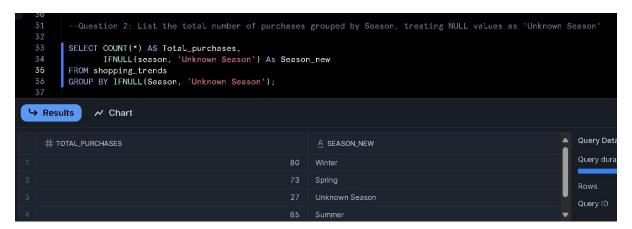
Busile Ndhlovu

Practical 2.1: Advanced SQL

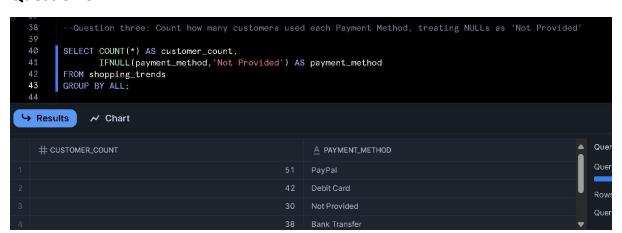
Question 1



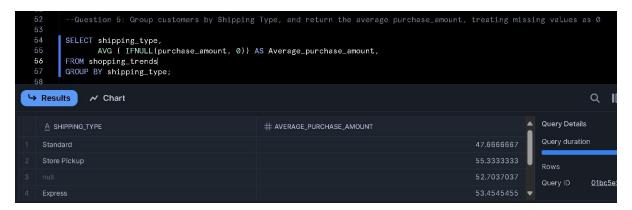
Question 2



Question 3

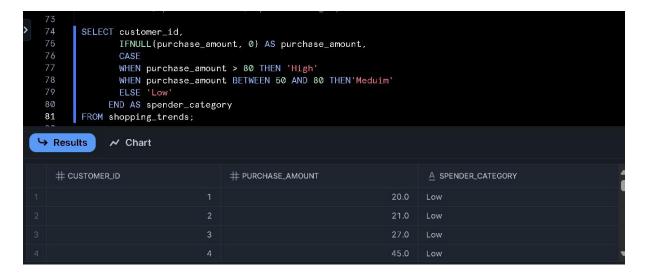


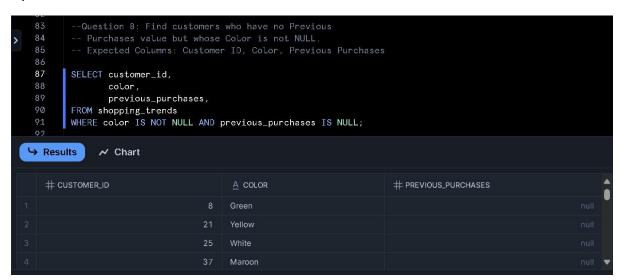




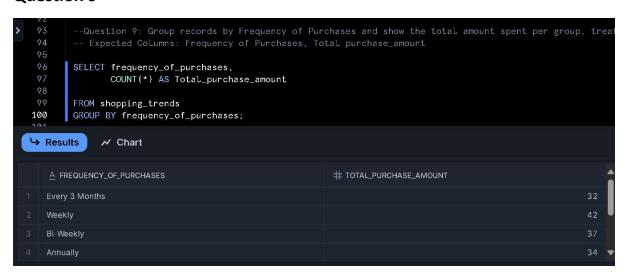


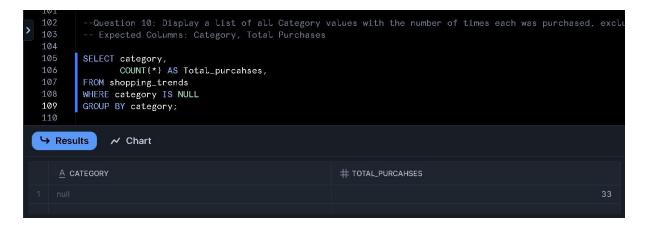
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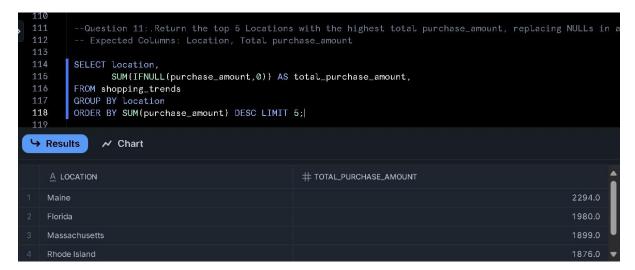




Question 9

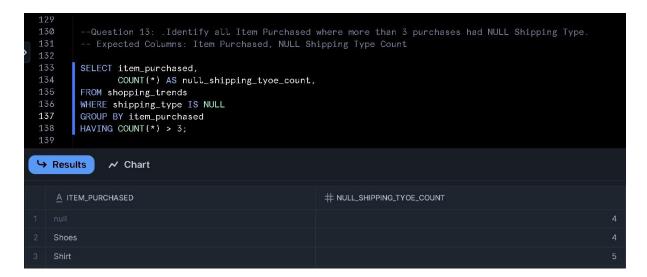






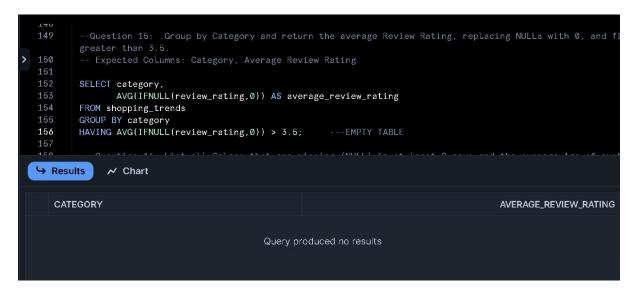
Question 12







Question 15



```
---Question 16: List all Colors that are missing (NULL) in at least 2 rows and the average Age of customers for those rows.

-- Expected Columns: Color, Average Age

SELECT color,

AVG(age) AS Average_age

FROM shopping_trends

WHERE color IS NULL

GROUP BY color

HAVING COUNT(*) >= 2;
```

```
172 -- Expected Columns: Delivery Speed, Customer Count
173

174 SELECT COUNT(*) AS Customer_count,
175 CASE
176 WHEN shipping_type IN ('Express', 'Next Day Air') THEN 'Fast'
177 WHEN shipping_type = 'Standard' THEN 'Slow'
178 ELSE 'Other'
179 END AS Delivery_Speed
180 FROM shopping_trends
181 GROUP BY Delivery_Speed;
```

Question 18

