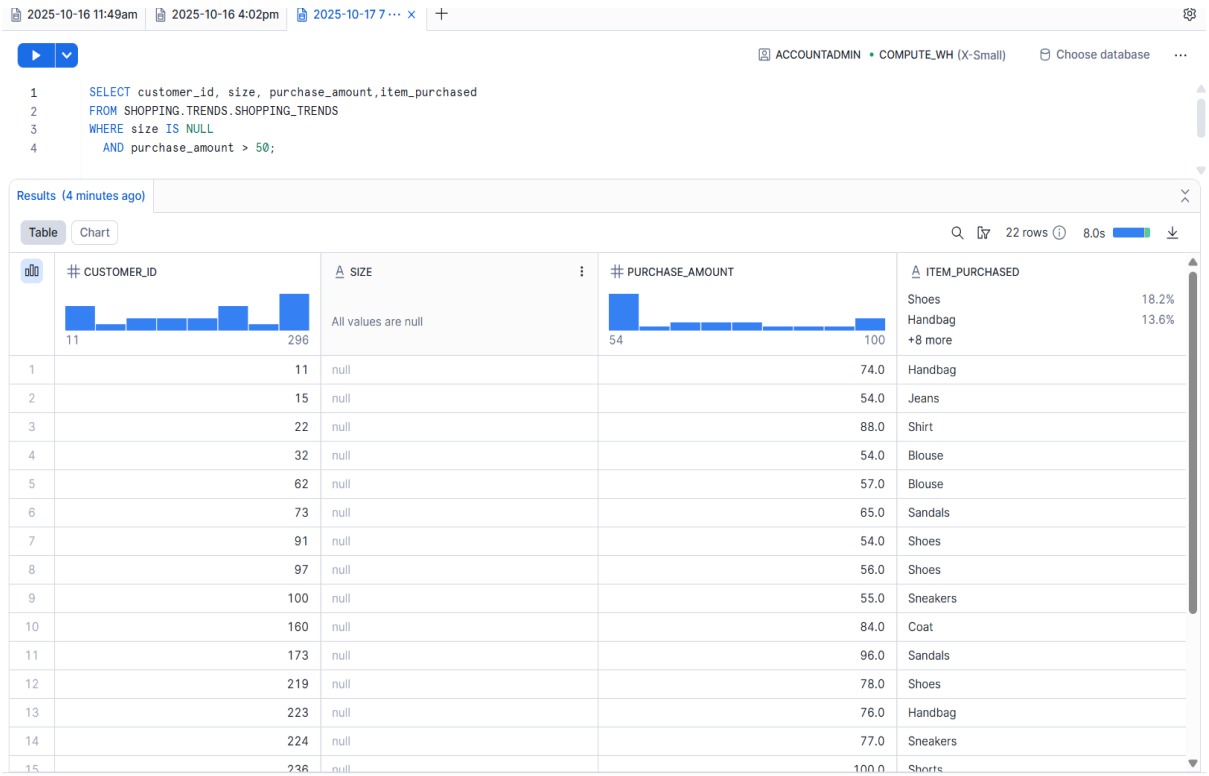
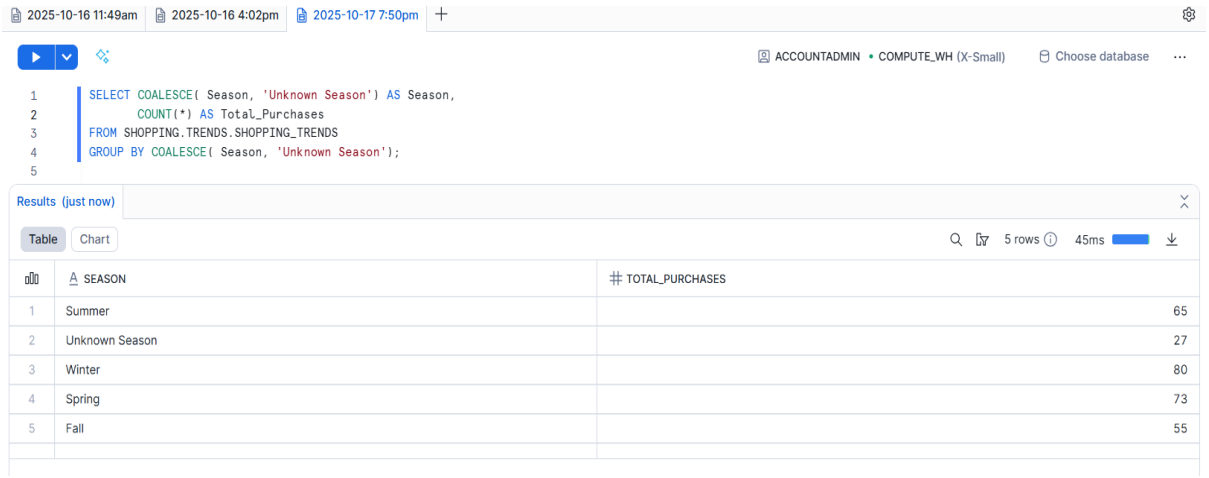
Practical3: Mahura Kegomoditswe





2025-10-16 11:49am | 2025-10-16 4:02pm | 2025-10-17 7:50pm

ACCOUNTADMIN • COMPUTE_WH (X-Small) | Choose database

```
1  SELECT COALESCE(payment_method, 'Not Provided') AS Payment_Method,
2         COUNT(*) AS Customer_Count
3  FROM SHOPPING.TRENDS.SHOPPING_TRENDS
4  GROUP BY COALESCE(payment_method, 'Not Provided');
```

Results (just now)

Table | Chart — 7 rows — 3.5s

	PAYMENT_METHOD	CUSTOMER_COUNT
1	PayPal	51
2	Not Provided	30
3	Credit Card	44
4	Venmo	53
5	Debit Card	42
6	Bank Transfer	38
7	Cash	42

2025-10-16 11:49am | 2025-10-16 4:02pm | 2025-10-17 7:50pm

ACCOUNTADMIN • COMPUTE_WH (X-Small) | Choose database

```
1  SELECT customer_id,promo_code_used, review_rating, item_purchased
2  FROM SHOPPING.TRENDS.SHOPPING_TRENDS
3  where review_rating < 3.0 and promo_code_used is null;
```

Results (just now)

Table | Chart — 8 rows — 1.6s

	CUSTOMER_ID	0|1 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

ACCOUNTADMIN • COMPUTE_WH (X-Small) | Choose database

```
1  SELECT COALESCE(shipping_type, 'Unknown') AS "Shipping Type",
2         AVG(COALESCE(purchase_amount, 0)) AS "Average purchase_amount"
3  FROM shopping.trends.shopping_trends
4  GROUP BY COALESCE(shipping_type, 'Unknown');
```

Results (19 hours ago)

Table | Chart — 7 rows — 111ms

	Shipping Type	Average purchase_amount
1	Free Shipping	50.2142857
2	Store Pickup	55.3333333
3	Express	53.4545455
4	Standard	47.6666667
5	Unknown	52.7037037
6	Next Day Air	54.8666667
7	2-Day Shipping	51.5576923

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT Location,
       COUNT(*) AS "Total Purchases"
FROM shopping.trends.shopping_trends
WHERE payment_method IS NOT NULL
GROUP BY Location
HAVING COUNT(*) > 5;
```

Results (just now)

Table | Chart — 9 rows — 2.9s

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

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT customer_id,
       COALESCE(purchase_amount, 0) AS purchase_amount,
       CASE
         WHEN COALESCE(purchase_amount, 0) > 80 THEN 'High'
         WHEN COALESCE(purchase_amount, 0) BETWEEN 50 AND 80 THEN 'Medium'
         ELSE 'Low'
       END AS "Spender Category"
FROM shopping.trends.shopping_trends;
```

Results (just now)

Table | Chart — 300 rows — 2.0s

	CUSTOMER_ID (1 – 300)	PURCHASE_AMOUNT (0 – 100)	Spender Category (Low 42.7%, Medium 35.0%, +1 more)
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
12	12	59.0	Medium

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT customer_id, color, previous_purchases
FROM shopping.trends.shopping_trends
WHERE previous_purchases IS NULL
  AND color IS NOT NULL;
```

Results (8 minutes ago)

Table | Chart — 36 rows — 1.2s

	CUSTOMER_ID (8 – 298)	COLOR (Black 16.7%, Green 16.7%, +6 more)	PREVIOUS_PURCHASES (All values are null)
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
12	85	Yellow	null
13	86	Pink	null
14	116	Green	null

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT COALESCE(frequency_of_purchases, 'Unknown') AS "Frequency of Purchases",
       SUM(COALESCE(purchase_amount, 0)) AS "Total purchase_amount"
FROM shopping.trends.shopping_trends
GROUP BY COALESCE(frequency_of_purchases, 'Unknown');
```

Results (just now)

Table | Chart — 8 rows — 1.7s

	Frequency of Purchases	Total purchase_amount
1	Annually	1765.0
2	Monthly	1780.0
3	Bi-Weekly	2099.0
4	Quarterly	2541.0
5	Every 3 Months	1749.0
6	Weekly	2184.0
7	Unknown	1518.0
8	Fortnightly	2033.0

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT category,
       COUNT(*) AS "Total Purchases"
FROM shopping.trends.shopping_trends
WHERE category IS NOT NULL
GROUP BY category;
```

Results (just now)

Table | Chart — 4 rows — 2.3s

	CATEGORY	Total Purchases
1	Footwear	70
2	Outerwear	60
3	Clothing	59
4	Accessories	78

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT location,
       SUM(COALESCE(purchase_amount, 0)) AS "Total purchase_amount"
FROM shopping.trends.shopping_trends
GROUP BY location
ORDER BY "Total purchase_amount" DESC
LIMIT 5;
```

Results (just now) — Table | Chart — 5 rows — 645ms

	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

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT gender, size,
       SUM(CASE WHEN color IS NULL THEN 1 ELSE 0 END) AS "Null Color Count"
FROM shopping.trends.shopping_trends
GROUP BY gender, size;
```

Results (just now) — Table | Chart — 5 rows — 77ms

	GENDER	SIZE	Null Color Count
1	Male	S	5
2	Male	L	6
3	Male	null	6
4	Male	XL	5
5	Male	M	7

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT item_purchased,
       SUM(CASE WHEN shipping_type IS NULL THEN 1 ELSE 0 END) AS "NULL Shipping Type Count"
FROM shopping.trends.shopping_trends
GROUP BY item_purchased
HAVING SUM(CASE WHEN shipping_type IS NULL THEN 1 ELSE 0 END) > 3;
```

Results (just now) — Table | Chart — 3 rows — 100ms

	ITEM_PURCHASED	NULL Shipping Type Count
1	null	4
2	Shoes	4
3	Shirt	5

ACCOUNTADMIN · COMPUTE_WH (X-Small) · Choose database

```sql
SELECT COALESCE(payment_method, 'Not Provided') AS "Payment Method",
       SUM(CASE WHEN review_rating IS NULL THEN 1 ELSE 0 END) AS "Missing Review Rating Count"
FROM shopping.trends.shopping_trends
GROUP BY COALESCE(payment_method, 'Not Provided');
```

Results (just now) — Table | Chart — 7 rows — 90ms

	Payment Method	Missing Review Rating Count
1	PayPal	3
2	Not Provided	2
3	Credit Card	8
4	Venmo	9
5	Debit Card	7
6	Bank Transfer	4
7	Cash	4

ACCOUNTADMIN ◦ COMPUTE_WH (X-Small) Choose database ···

```sql
SELECT category,
       AVG(COALESCE(review_rating, 0)) AS "Average Review Rating"
FROM shopping.trends.shopping_trends
GROUP BY category
HAVING AVG(COALESCE(review_rating, 0)) > 3.5;
```

Results (just now)

Table Chart 0 rows 24ms

CATEGORY	Average Review Rating
Query produced no results	

ACCOUNTADMIN ◦ COMPUTE_WH (X-Small) Choose database ···

```sql
SELECT color,
       AVG(age) AS "Average Age"
FROM shopping.trends.shopping_trends
WHERE color IS NULL
GROUP BY color
HAVING COUNT(*) >= 2;
```

Results (just now)

Table Chart 1 row 38ms

	COLOR	Average Age
1	null	47.8461538

ACCOUNTADMIN ◦ COMPUTE_WH (X-Small) Choose database ···

```sql
SELECT CASE
         WHEN shipping_type IN ('Express', 'Next Day Air') THEN 'Fast'
         WHEN shipping_type = 'Standard' THEN 'Slow'
         ELSE 'Other'
       END AS "Delivery Speed",
       COUNT(*) AS "Customer Count"
FROM shopping.trends.shopping_trends
GROUP BY CASE
           WHEN shipping_type IN ('Express', 'Next Day Air') THEN 'Fast'
           WHEN shipping_type = 'Standard' THEN 'Slow'
           ELSE 'Other'
         END;
```

Results (just now)

Table Chart 3 rows 151ms

	Delivery Speed	Customer Count
1	Slow	45
2	Fast	89
3	Other	166

ACCOUNTADMIN ○ COMPUTE_WH (X-Small) Choose database ···

```sql
SELECT customer_id, purchase_amount, promo_code_used
FROM shopping.trends.shopping_trends
WHERE purchase_amount IS NULL
  AND promo_code_used = 'Yes';
```

Results (just now)

Table | Chart — 20 rows — 26ms

	CUSTOMER_ID (13 – 298)	PURCHASE_AMOUNT (All values are null)	PROMO_CODE_USED (true 100.0%)
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
13	225	null	TRUE
14	231	null	TRUE

ACCOUNTADMIN ○ COMPUTE_WH (X-Small) Choose database ···

```sql
SELECT location,
       MAX(COALESCE(previous_purchases, 0)) AS "Max Previous Purchases",
       AVG(COALESCE(review_rating, 0)) AS "Average Review Rating"
FROM shopping.trends.shopping_trends
GROUP BY location
HAVING AVG(COALESCE(review_rating, 0)) > 4.0;
```

Results (1 minute ago)

Table | Chart — 0 rows — 115ms

LOCATION	Max Previous Purchases	Average Review Rating

Query produced no results

ACCOUNTADMIN ○ COMPUTE_WH (X-Small) Choose database ···

```sql
SELECT customer_id, shipping_type, purchase_amount, item_purchased
FROM shopping.trends.shopping_trends
WHERE shipping_type IS NULL
  AND purchase_amount BETWEEN 30 AND 70;
```

Results (just now)

Table | Chart — 7 rows — 114ms

	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