**Q1. how many agent\_transaction did we have in the months of 2022(broken down by month)**

SELECT MONTH(when\_created) AS months\_of\_transactions,

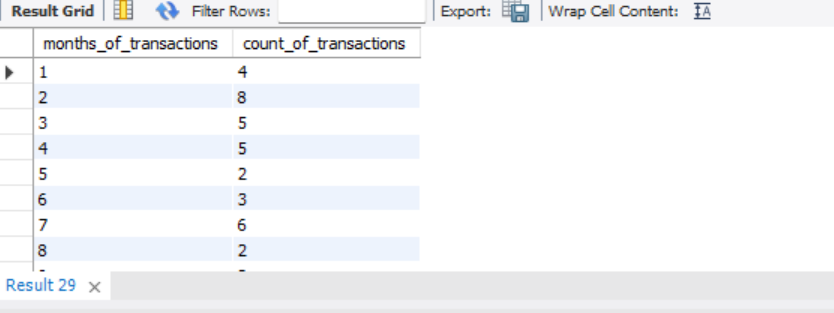
COUNT(\*) AS count\_of\_transactions

FROM agent\_transactions

WHERE YEAR(when\_created) = '2022'

GROUP BY MONTH(when\_created)

ORDER BY MONTH(when\_created);



**Q2: Over the of the first half of 2022, how many Wave agents were ‘net depositors’ vs. ‘net withdrawals’?**

WITH total\_agents AS

(SELECT agent\_id, SUM(amount),MONTH(when\_created) AS months,

CASE

WHEN SUM(amount) > 0 THEN 'NET WITHDRAWAL'

WHEN SUM(amount) < 0 THEN 'NET DEPOSITOR'

END AS class\_of\_agent

FROM agent\_transactions

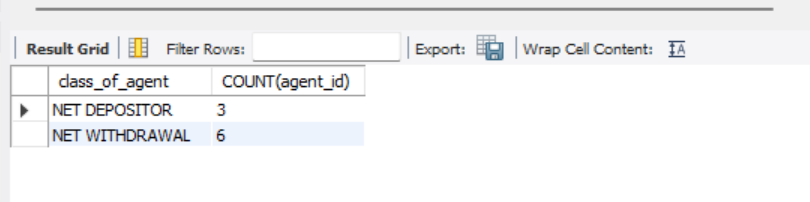
WHERE YEAR(when\_created) = '2022' AND MONTH(when\_created) BETWEEN 1 AND 6

GROUP BY agent\_id, MONTH(when\_created))

SELECT class\_of\_agent, COUNT(agent\_id)

FROM total\_agents

GROUP BY class\_of\_agent;



**Q3: Build an atx volume city summary table:find the volume of agent transactions created in the first half of 2022, group by city.**

SELECT city, SUM(amount) AS transaction\_volume

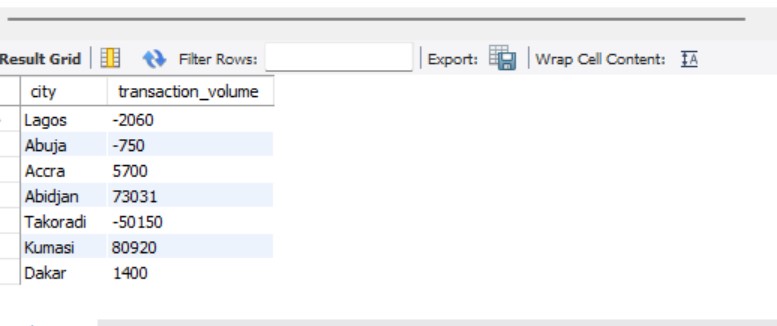
FROM agent\_transactions AS agtrx

JOIN agents

ON agents.agent\_id = agtrx.agent\_id

WHERE YEAR(agtrx.when\_created) = '2022' AND MONTH(agtrx.when\_created) BETWEEN 1 AND 6

GROUP BY city;



**Q4) Seperate the atx volume by country as well (so your columns should be country, city, volume)**

SELECT country, city, SUM(amount) AS transaction\_volume

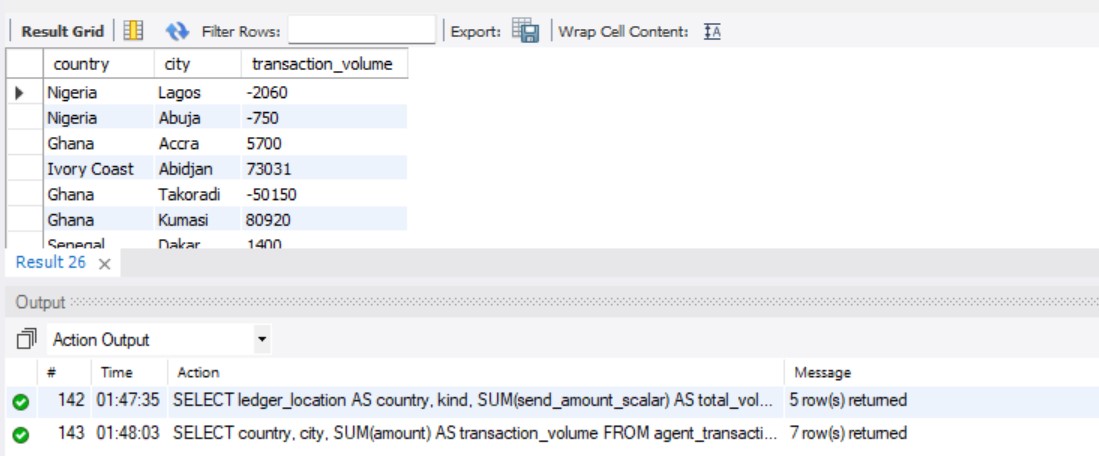
FROM agent\_transactions AS agtrx

JOIN agents

ON agents.agent\_id = agtrx.agent\_id

WHERE YEAR(agtrx.when\_created) = '2022' AND MONTH(agtrx.when\_created) BETWEEN 1 AND 6

GROUP BY country, city;



**Q5) build a send volume by country and kind table:find the total volume of transfers(by send\_amount\_scalar) sent in the first half of 2022, grouped by country and transfer kind**

SELECT ledger\_location AS country, kind, SUM(send\_amount\_scalar) AS total\_volume

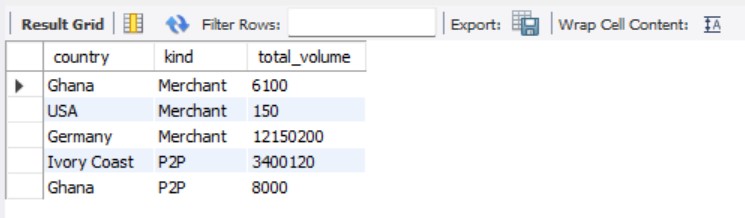
FROM transfers

JOIN wallets

ON transfers.source\_wallet\_id = wallets.wallet\_id

WHERE YEAR(transfers.when\_created) = '2022' AND MONTH(transfers.when\_created) BETWEEN 1 AND 6

GROUP BY country, kind;



**-- Q6) Add columns for transaction count and number of unique senders(still broken down by country and kind)**

SELECT ledger\_location AS country, kind, SUM(send\_amount\_scalar) AS total\_volume,

COUNT(DISTINCT(source\_wallet\_id)) AS unique\_senders, COUNT(transfer\_id) AS transaction\_count

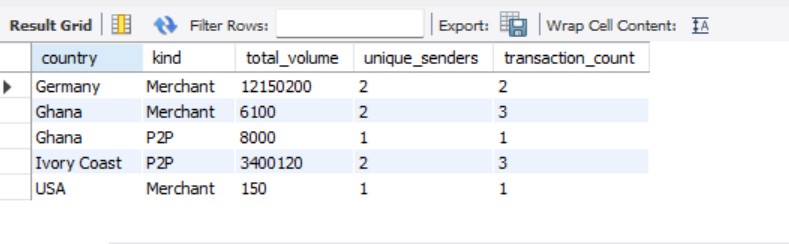
FROM transfers

JOIN wallets

ON transfers.source\_wallet\_id = wallets.wallet\_id

WHERE YEAR(transfers.when\_created) = '2022' AND MONTH(transfers.when\_created) BETWEEN 1 AND 6

GROUP BY country, kind;



**-- Q7) which wallets sent more than 1000000 CFA in transfers in the first quarter(as identified by the source\_wallet\_id column in the transfers table and how much did they send?**

SELECT source\_wallet\_id, SUM(send\_amount\_scalar) AS total\_sent\_amount, send\_amount\_currency

FROM transfers

JOIN wallets

ON transfers.source\_wallet\_id = wallets.wallet\_id

WHERE (YEAR(transfers.when\_created) = '2022' AND MONTH(transfers.when\_created) BETWEEN 1 AND 3)

AND (send\_amount\_scalar > 1000000) AND (send\_amount\_currency = 'CFA')

GROUP BY source\_wallet\_id, send\_amount\_currency;

