

Fauziya Mudasir
Database Assignment

1. SELECT COUNT(*) FROM users ;
2. SELECT COUNT(*) FROM transfers WHERE send_amount_currency='CFA';
3. SELECT DISTINCT COUNT(u_id) FROM transfers WHERE send_amount_currency='CFA';
4. SELECT DATE_TRUNC('month',when_created) AS month,

COUNT(atx_id) As transactions

FROM agent_transactions

WHERE when_created BETWEEN '2018-01-01' AND '2018-12-31 23:59:59'

GROUP BY 1
5. SELECT COUNT (agent_id) AS net_depositors

FROM agent_transactions

WHERE (amount>0) AND when_created >= NOW() - interval '1 week' ;

SELECT COUNT (agent_id) AS net_withdrawals

FROM agent_transactions

WHERE (amount<0) AND when_created >= NOW() - interval '1 week'
6. SELECT SUM (amount) As volume, city FROM agent_transactions ,agents WHERE

agents.agent_id = agent_transactions.agent_id

AND agent_transactions.when_created >= NOW() - interval '1 week'

GROUP BY city
7. SELECT SUM (amount) As volume, city,country FROM agent_transactions ,agents WHERE

agents.agent_id = agent_transactions.agent_id

AND agent_transactions.when_created >= NOW() - interval '1 week'

GROUP BY city, country

8.

```
SELECT SUM (send_amount_scalar) As volume,kind,ledger_location FROM transfers ,wallets  
  
WHERE wallets.wallet_id = transfers.source_wallet_id  
  
AND transfers.when_created >= NOW() - interval '1 week'  
  
GROUP BY kind,ledger_location
```
9.

```
SELECT DISTINCT(u_id) AS unique_id,COUNT(transfer_id)AS transaction_count ,SUM  
  
(send_amount_scalar) As volume,kind,ledger_location FROM transfers ,wallets WHERE  
  
wallets.wallet_id = transfers.source_wallet_id  
  
AND transfers.when_created >= NOW() - interval '1 week'  
  
GROUP BY unique_id,kind,ledger_location,transfer_id
```
10.

```
SELECT DISTINCT(wallet_id) AS wallet, SUM(send_amount_scalar) AS volume  
  
FROM transfers ,wallets WHERE wallets.wallet_id = transfers.source_wallet_id  
  
AND transfers.when_created >= NOW() - interval '1 month' AND (SELECT SUM  
  
(send_amount_scalar) FROM transfers) > 10000000  
  
GROUP BY wallet
```