**SOLUTION FOR DATABASE PEER PROGRAMNING PROJECTS**

**USE wave;**

**Question Number No1:**

SELECT count(u\_id) AS 'Total Users'

FROM users;

**Question Number No2:**

SELECT count(transfer\_id) Total\_CFA

FROM transfers

WHERE send\_amount\_currency = 'CFA';

**Question Number No3:**

SELECT DISTINCT COUNT(user\_id) AS CFA\_users

FROM transfers

WHERE send\_amount\_currency = 'CFA';

select \* FROM agent\_transactions;

**Question Number No4:**

SELECT monthname(when\_created) AS All\_months, COUNT(atx\_id)

FROM agent\_transactions

WHERE extract(year FROM when\_created) = 2022

GROUP BY 1;

**Question Number No5:**

SELECT

CASE

WHEN total < 0 THEN 'Net Depositors'

ELSE 'Net withdrawers'

END AS AgentType,

COUNT(\*) Agents FROM (SELECT agent\_id, SUM(amount) Total

FROM agent\_transactions

WHERE when\_created BETWEEN '2022-01-01' AND '2022-06-30'

GROUP BY 1) sub

GROUP BY 1;

**Question Number No6:**

SELECT a.city, SUM(ABS(at.amount)) volume

FROM agent\_transactions at

JOIN agents a ON at.agent\_id = a.agent\_id

WHERE at.when\_created BETWEEN '2022-01-01' AND '2022-06-30'

GROUP BY 1;

**Question Number No7:**

SELECT a.country, a.city, SUM(ABS(at.amount)) volume

FROM agent\_transactions at

JOIN agents a ON at.agent\_id = a.agent\_id

WHERE at.when\_created BETWEEN '2022-01-01' AND '2022-06-30'

GROUP BY 1,2;

**Question Number No8:**

SELECT w.ledger\_location country, t.kind, SUM(t.send\_amount\_scalar) volume

FROM transfers t

JOIN wallets w ON t.source\_wallet\_id = w.wallet\_id

WHERE t.when\_created BETWEEN '2022-01-01' AND '2022-06-30'

GROUP BY 1,2;

**Question Number No9:**

SELECT w.ledger\_location country, t.kind, SUM(t.send\_amount\_scalar) volume,

COUNT(\*) transactions, COUNT(DISTINCT user\_id) "unique users"

FROM transfers t

JOIN wallets w ON t.source\_wallet\_id = w.wallet\_id

WHERE t.when\_created BETWEEN '2022-01-01' AND '2022-06-30'

GROUP BY 1,2

ORDER BY 1;

**Question Number No10:**

SELECT source\_wallet\_id, SUM(send\_amount\_scalar)

FROM transfers

WHERE send\_amount\_currency = 'CFA'

AND (when\_created BETWEEN '2022-01-01' AND '2022-03-31')

GROUP BY 1

HAVING SUM(send\_amount\_scalar) > 1000000;