**Question 3:**

Find all active accounts (savings or investments) with no transactions in the last 1 year (365 days)

**Answer 3**

SELECT

pp.id AS plan\_id,

pp.owner\_id,

pp.plan\_type\_id,

MAX(sa.transaction\_date) AS last\_transaction\_date,

DATEDIFF(CURDATE(), MAX(sa.transaction\_date)) AS inactivity\_days

FROM plans\_plan AS pp

LEFT JOIN savings\_savingsaccount AS sa

ON pp.id = sa.plan\_id

WHERE pp.status\_id = 1

GROUP BY pp.id, pp.owner\_id, pp.plan\_type\_id

HAVING last\_transaction\_date IS NULL

OR last\_transaction\_date < DATE\_SUB(CURDATE(), INTERVAL 365 DAY)

ORDER BY inactivity\_days DESC;

**Explanation**

MAX(sa.transaction\_date) AS last\_transaction\_date: to get the latest transaction date for each row

DATEDIFF(CURDATE(), MAX(sa.transaction\_date)) AS inactivity\_days: to get the difference in current date and last transaction date

LEFT JOIN because the question says all active accounts whether savings or investments

WHERE pp.status\_id = 1 (assuming that means the account is active)