SQL Test

-- Soal Nomor 2

SELECT

u.name AS Nama\_Nasabah,

a.account\_type AS Jenis\_Akun,

a.balance AS Saldo,

SUM(CASE WHEN t.type\_transaction = 'Debit' THEN t.amount ELSE 0 END) AS Debit,

SUM(CASE WHEN t.type\_transaction = 'Kredit' THEN t.amount ELSE 0 END) AS Kredit

FROM

user u

JOIN

account a ON u.id = a.user\_id

LEFT JOIN

transaction t ON a.id = t.account\_id

WHERE

u.name = 'Budi'

AND

t.type

GROUP BY

u.name, a.account\_type, a.balance;

-- Soal Nomor 3

SELECT

u.name AS Nasabah,

'Giro' AS Jenis\_Akun,

CASE

WHEN a.account\_type = 'Giro' THEN a.balance

ELSE NULL

END AS Saldo

FROM

user u

LEFT JOIN

account a ON u.id = a.user\_id AND a.account\_type = 'Giro'

ORDER BY

u.name;

-- Soal Nomor 4

SELECT

u.name AS Nasabah,

COALESCE(SUM(a.balance), 0) AS Jumlah\_Asset,

CONCAT(

TIMESTAMPDIFF(YEAR, u.birthday, CURDATE()), ' Tahun ',

MOD(TIMESTAMPDIFF(MONTH, u.birthday, CURDATE()), 12), ' Bulan ',

DATEDIFF(CURDATE(), DATE\_ADD(DATE\_ADD(u.birthday,

INTERVAL TIMESTAMPDIFF(YEAR, u.birthday, CURDATE()) YEAR),

INTERVAL MOD(TIMESTAMPDIFF(MONTH, u.birthday, CURDATE()), 12) MONTH)),

' Hari'

) AS Usia

FROM

user u

LEFT JOIN

account a ON u.id = a.user\_id

GROUP BY

u.id

ORDER BY u.birthday DESC;

-- Soal Nomor 5

SELECT

u.name AS Nama\_Nasabah,

SUM(a.balance) AS Jumlah\_Saldo

FROM

user u

JOIN

account a ON u.id = a.user\_id

WHERE

TIMESTAMPDIFF(YEAR, u.birthday, CURDATE()) < 40

GROUP BY

u.name

HAVING

SUM(a.balance) < 1000000

ORDER BY

u.name;

-- Soal Nomor 6

UPDATE user

SET email = 'siti@example.com',

birthday = '1993-11-25'

WHERE id = 2;

-- Soal Nomor 7

DELETE FROM transaction

WHERE id = 4;