


```

-- 4
-- ASUMSI: makanan yang ditampilkan tidak ada yang duplikat (DISTINCT)
SELECT DISTINCT tf.foodname
FROM transaction_food tf
WHERE EXISTS(
    SELECT CONCAT(u.fname, ' ', u.lname)
    FROM user_acc u
        INNER JOIN transaction t USING (email)
    WHERE CONCAT(u.fname, ' ', u.lname) = 'Carissa Magnolia'
        AND tf.email = t.email
        AND tf.datetime = t.datetime
)
AND tf.note IS NOT NULL;

-- 5
-- ASUMSI: nama kurir yang ditampilkan tidak ada yang duplikat (DISTINCT)
WITH courier_transaction AS (SELECT CONCAT(u.fname, ' ', u.lname) AS couriername,
    c.email,
    tf.rname,
    tf.rbranch
    FROM user_acc u
        INNER JOIN courier c
            USING (email)
        INNER JOIN transaction t
            ON c.email = t.courierid
        INNER JOIN transaction_food tf
            ON t.email = tf.email
            AND t.datetime = tf.datetime)

SELECT DISTINCT ct.couriername
FROM courier_transaction ct
WHERE rname = 'KFC'
    AND rbranch = 'Margonda'
    AND ct.email NOT IN (SELECT ct2.email
        FROM courier_transaction ct2
        WHERE ct2.rname = 'KFC'
            AND ct2.rbranch = 'Lenteng Agung');

-- 6
SELECT CONCAT(u.fname, ' ', u.lname) AS name, u.email
FROM user_acc u
WHERE u.email NOT IN (SELECT t.email
    FROM transaction t);

```

```

-- 7
SELECT CONCAT(u.fname, ' ', u.lname) AS name, u.email
FROM (SELECT t.email
      FROM transaction t
      GROUP BY 1
      HAVING COUNT(DISTINCT t.pmid) = (SELECT COUNT(*) FROM payment_method)) t_pm
      INNER JOIN user_acc u USING (email);

-- 8
-- ASUMSI: Yang paling laku artinya cuman query 1 teratas
WITH jumlahpembelian_food AS (SELECT f.foodname,
                                     f.price,
                                     f.rname,
                                     f.rbranch,
                                     SUM(amount) AS jumlahpembelian
                                FROM transaction_food tf
                                INNER JOIN food f
                                USING (rname, rbranch, foodname)
                                GROUP BY 1, 2, 3, 4)

SELECT foodname, price
FROM jumlahpembelian_food
WHERE rname = 'KFC'
      AND rbranch = 'Margonda'
ORDER BY jumlahpembelian DESC
LIMIT 1;

-- 9
-- ASUMSI: nama dan cabang restoran juga ditampilkan
SELECT rname,
       rbranch,
       COUNT(*) AS jumlahmenu,
       MIN(price) AS minprice,
       MAX(price) AS maxprice
FROM food f
GROUP BY 1, 2;

```

```
-- 10
-- ASUMSI:
-- min_transaction_promo selalu valid jika masih dalam durasinya dan
-- special_day_promo hanya valid jika hari ini adalah hari spesialnya
SELECT p.promoname
FROM (SELECT pid
      FROM restaurant_promo t
      WHERE start_promo <= CURRENT_TIMESTAMP
            AND end_promo >= CURRENT_TIMESTAMP
      GROUP BY 1
      HAVING COUNT(*) >= 10) AS rp_pid
      INNER JOIN promo p ON rp_pid.pid = p.id_promo
WHERE p.id_promo IN (SELECT id_special_day_promo
                    FROM special_day_promo
                    WHERE date = CURRENT_DATE
                    UNION
                    SELECT id_min_transaction_promo
                    FROM min_transaction_promo);
```

Code of Conduct:

Saya menyatakan bahwa tugas ini saya kerjakan dengan usaha sendiri. Saya tidak menyalin jawaban dari sumber manapun. Saya bertanggung jawab menjaga agar jawaban tugas saya tidak disalin oleh peserta lainnya.



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