**Praktikum 2 Sistem Basis Data 2023**

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Kelas : J**

**RDBMS : MySQL**

**Link SQL :** [**https://drive.google.com/drive/folders/1qUy0KdCEFZFXwNeCTBZHrc0PeerZFt27?usp=drive\_link**](https://drive.google.com/drive/folders/1qUy0KdCEFZFXwNeCTBZHrc0PeerZFt27?usp=drive_link)

**Kode Asdos : SBDJ02**

**Sesi : Modul Pendahuluan 3**

**Nomor 1**

Sintaks:

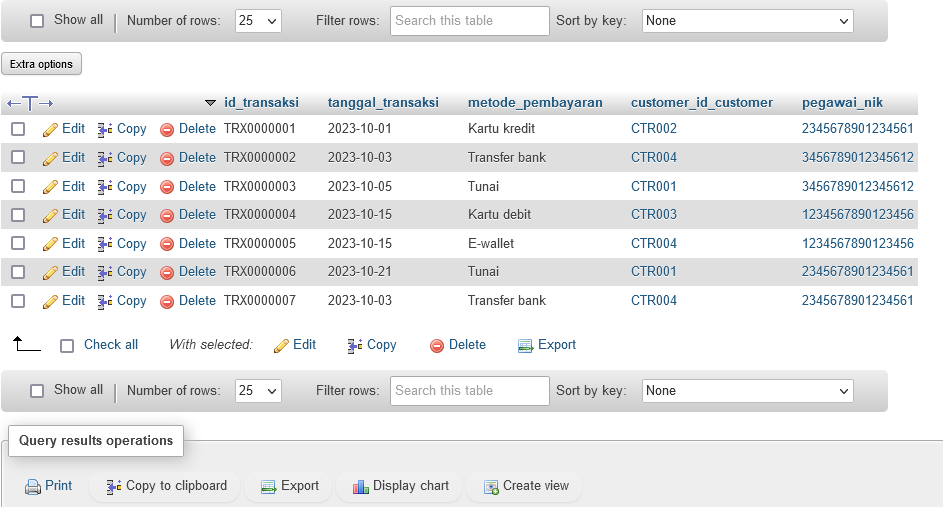
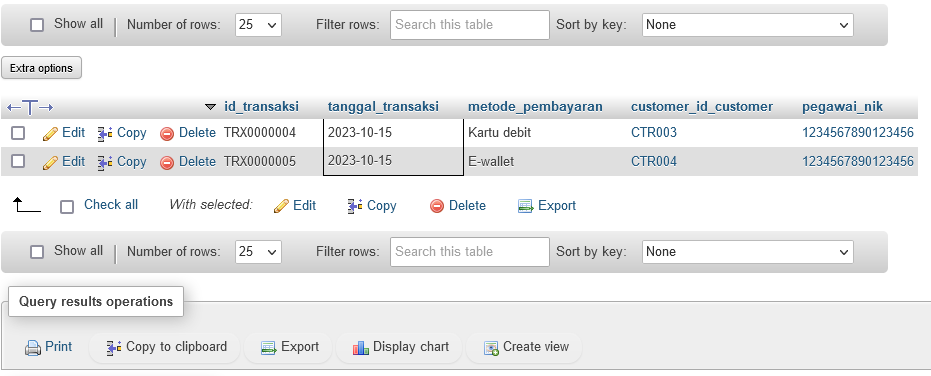
SELECT \*

FROM transaksi

WHERE tanggal\_transaksi BETWEEN '2023-10-10' AND '2023-10-20';

SELECT \*

FROM transaksi;

Hasil:  


**Nomor 2**

Sintaks:

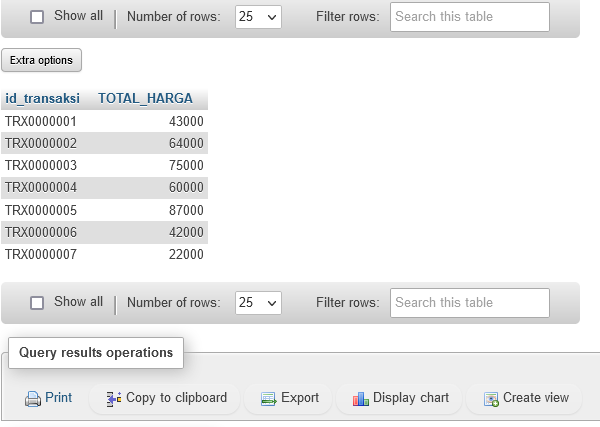
SELECT t.id\_transaksi, SUM(mm.harga\_minuman \* tm.jumlah\_minuman) AS TOTAL\_HARGA

FROM transaksi t

JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

JOIN menu\_minuman mm ON tm.tm\_menu\_minuman\_id = mm.id\_minuman

GROUP BY t.id\_transaksi;

Hasil:  


**Nomor 3**

Sintaks:

SELECT c.\*, SUM(mm.harga\_minuman \* tm.jumlah\_minuman) AS Total\_Belanja

FROM customer c

JOIN transaksi t ON c.id\_customer = t.customer\_id\_customer

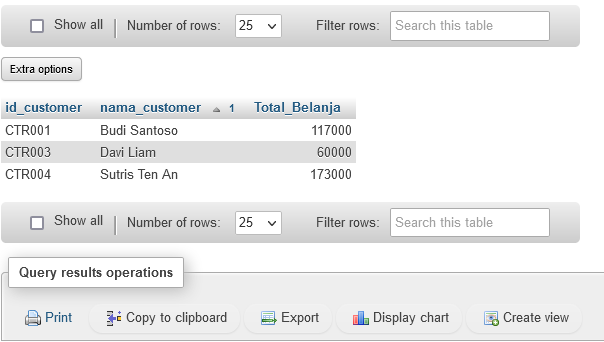
JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

JOIN menu\_minuman mm ON tm.tm\_menu\_minuman\_id = mm.id\_minuman

WHERE t.tanggal\_transaksi BETWEEN '2023-10-03' AND '2023-10-22'

GROUP BY c.id\_customer

ORDER BY c.nama\_customer;

Hasil:

**Nomor 4**

Sintaks:

SELECT p.\*

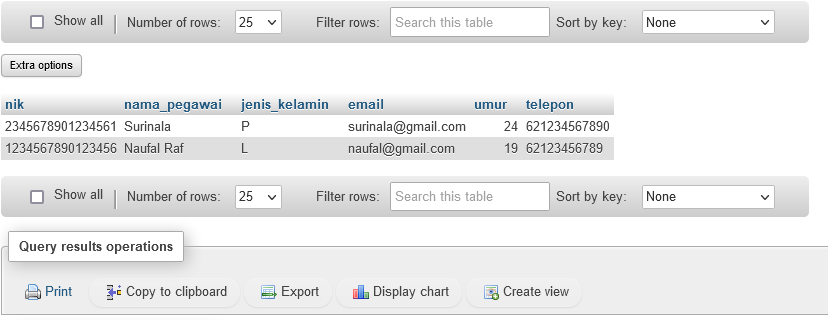
FROM pegawai p

JOIN transaksi t ON p.nik = t.pegawai\_nik

JOIN customer c ON t.customer\_id\_customer = c.id\_customer

WHERE c.nama\_customer IN ('Davi Liam', 'Sisil Triana', 'Hendra Asto');

Hasil:



**Nomor 5**

Sintaks:

SELECT

EXTRACT(MONTH FROM t.tanggal\_transaksi) AS BULAN,

EXTRACT(YEAR FROM t.tanggal\_transaksi) AS TAHUN,

SUM(tm.jumlah\_minuman) AS JUMLAH\_CUP

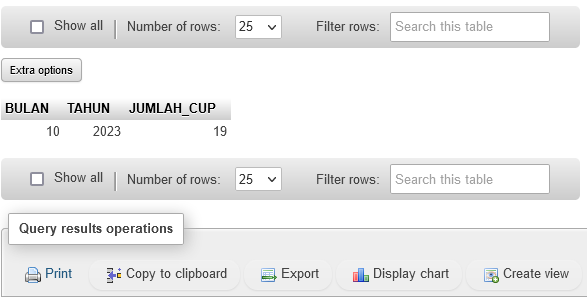
FROM transaksi t

JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

GROUP BY BULAN, TAHUN

ORDER BY TAHUN DESC, BULAN;

Hasil:



**Nomor 6**

Sintaks:

SELECT AVG(total\_belanja) AS RataRata\_Total\_Belanja

FROM (

    SELECT t.id\_transaksi, SUM(tm.jumlah\_minuman \* mm.harga\_minuman) AS total\_belanja

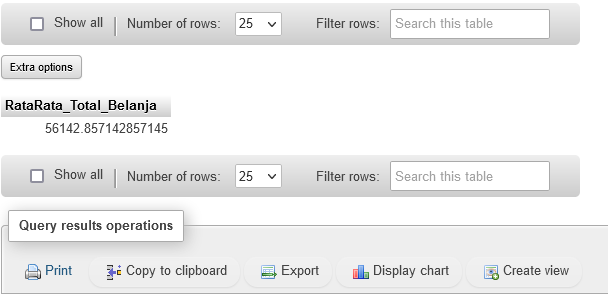
    FROM transaksi t

    JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

    JOIN menu\_minuman mm ON tm.tm\_menu\_minuman\_id = mm.id\_minuman

    GROUP BY t.id\_transaksi

) AS subquery;

Hasil:  


**Nomor 7**

Sintaks:

SELECT c.id\_customer, c.nama\_customer, AVG(t.total\_harga) AS total\_belanja

FROM customer c

JOIN (

    SELECT t.customer\_id\_customer, t.id\_transaksi, SUM(tm.jumlah\_minuman \* mm.harga\_minuman) AS total\_harga

    FROM transaksi t

    JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

    JOIN menu\_minuman mm ON tm.tm\_menu\_minuman\_id = mm.id\_minuman

    GROUP BY t.customer\_id\_customer, t.id\_transaksi

) t ON c.id\_customer = t.customer\_id\_customer

GROUP BY c.id\_customer, c.nama\_customer

HAVING AVG(t.total\_harga) > (

    SELECT AVG(total\_harga)

    FROM (

        SELECT t.customer\_id\_customer, SUM(tm.jumlah\_minuman \* mm.harga\_minuman) AS total\_harga

        FROM transaksi t

        JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

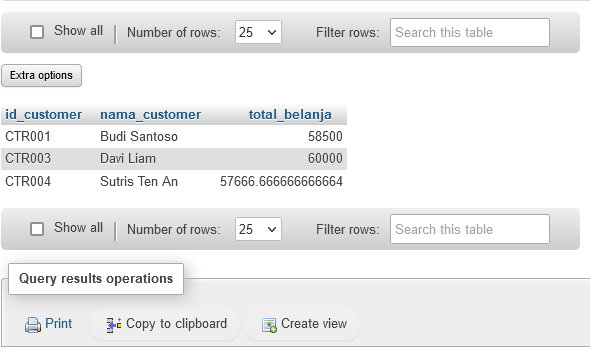
        JOIN menu\_minuman mm ON tm.tm\_menu\_minuman\_id = mm.id\_minuman

        GROUP BY t.customer\_id\_customer, t.id\_transaksi

    ) subquery

);

Hasil:



**Nomor 8**

Sintaks:

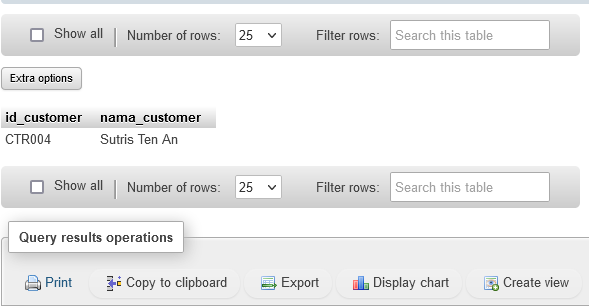
SELECT c.id\_customer, c.nama\_customer

FROM customer c

LEFT JOIN membership m ON c.id\_customer = m.m\_id\_customer

WHERE m.m\_id\_customer IS NULL;

Hasil:



**Nomor 9**

Sintaks:

SELECT COUNT(DISTINCT t.customer\_id\_customer) AS Jumlah\_Customer

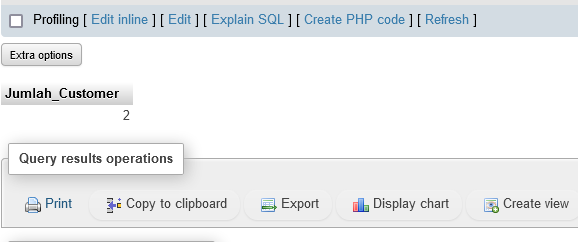
FROM transaksi t

JOIN transaksi\_minuman tm ON t.id\_transaksi = tm.tm\_transaksi\_id

JOIN menu\_minuman mm ON tm.tm\_menu\_minuman\_id = mm.id\_minuman

WHERE mm.nama\_minuman = 'Latte';

Hasil:



**Nomor 10**

Sintaks:

SELECT

    customer.nama\_customer,

    menu\_minuman.nama\_minuman,

    SUM(transaksi\_minuman.jumlah\_minuman) AS total\_cup

FROM customer

JOIN membership ON id\_customer = m\_id\_customer

JOIN transaksi ON id\_customer = customer\_id\_customer

JOIN transaksi\_minuman ON id\_transaksi = tm\_transaksi\_id

JOIN menu\_minuman ON tm\_menu\_minuman\_id = id\_minuman

WHERE nama\_customer LIKE 'S%'

GROUP BY

    nama\_customer,

    nama\_minuman;

Hasil: