# Praktikum 3 Sistem Basis Data 2023

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Kelas : G

RDBMS: MySQL

Link SQL :

https://docs.google.com/document/d/18mCLCLox7V0yajJJNww4jF3J4uHn\_chuKlXyQSG-j8/edit?usp=sharing

Kode Asdos : SBDG01

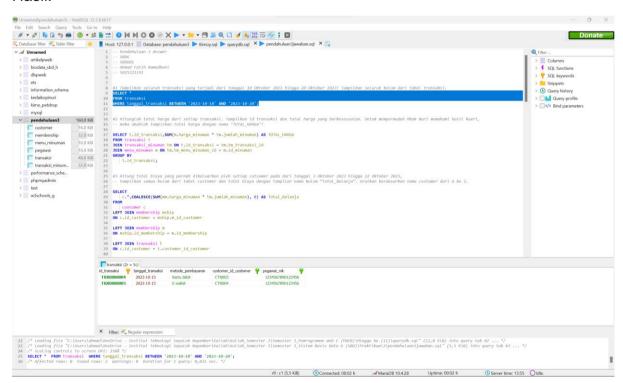
Sesi : Modul Pendahuluan

### Nomor 1

## Sintaks:

```
SELECT *
FROM transaksi
WHERE tanggal_transaksi BETWEEN '2023-10-10' AND '2023-10-20';
```

#### Hasil:



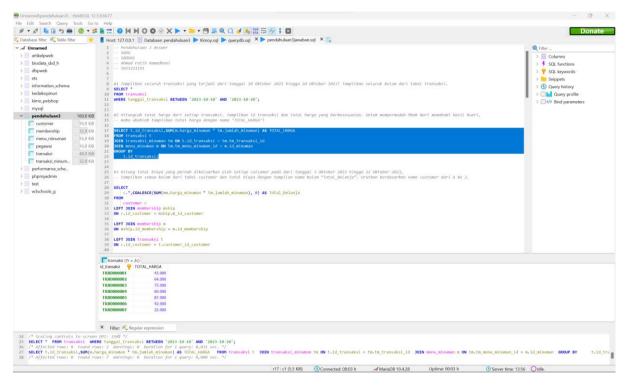
### Nomor 2

## Sintaks:

```
SELECT t.id_transaksi,SUM(m.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 m ON tm.tm_menu_minuman_id = m.id_minuman
GROUP BY
    t.id_transaksi;
```

## Hasil:



### Nomor 3

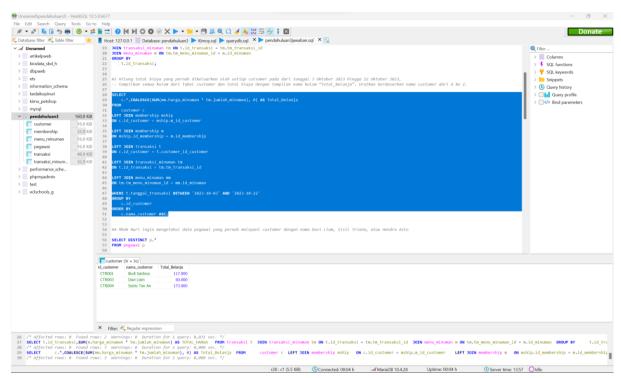
### Sintaks:

```
SELECT
   c.*, COALESCE (SUM (mm.harga minuman * tm.jumlah minuman), 0) AS
Total Belanja
FROM
   customer c
LEFT JOIN membership mship
ON c.id customer = mship.m id customer
LEFT JOIN membership m
ON mship.id membership = m.id membership
LEFT JOIN transaksi t
ON c.id customer = t.customer id customer
LEFT JOIN transaksi_minuman tm
ON t.id transaksi = tm.tm transaksi id
LEFT 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

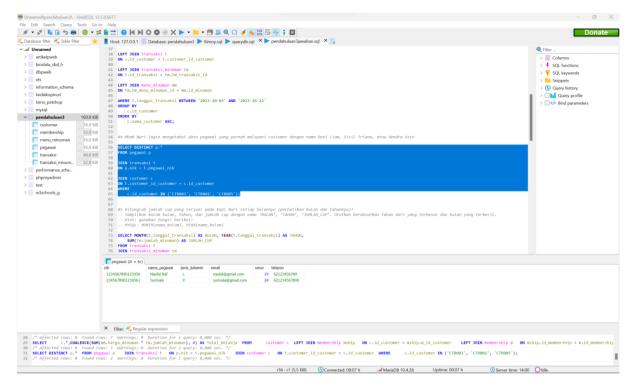
```
c.nama customer ASC;
```

## Hasil:



## Nomor 4

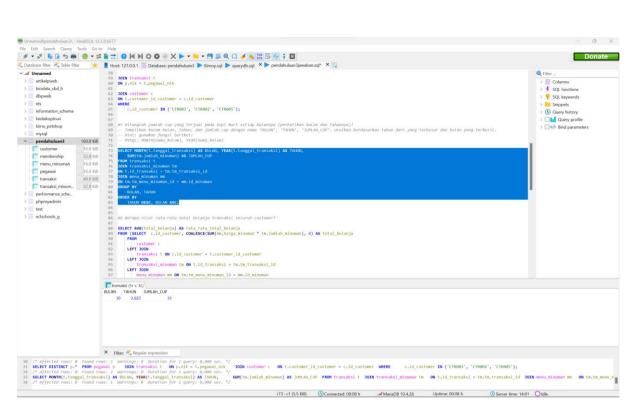
## Sintaks:



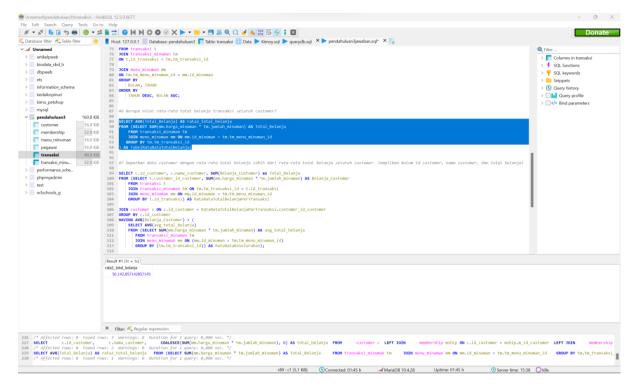
### Sintaks:

```
SELECT MONTH(t.tanggal_transaksi) AS BULAN, YEAR(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
JOIN menu_minuman mm
ON tm.tm_menu_minuman_id = mm.id_minuman
GROUP BY
    BULAN, TAHUN
ORDER BY
    TAHUN DESC, BULAN ASC;
```

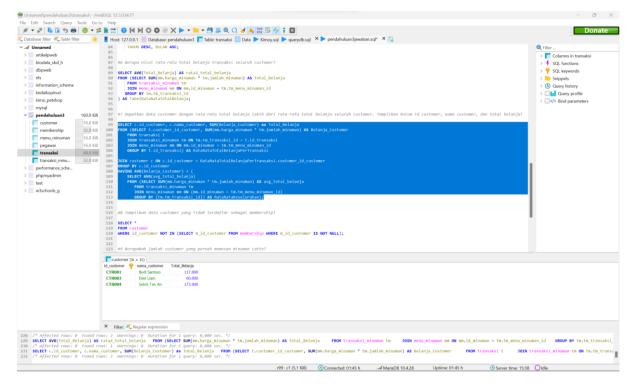


#### Sintaks:



#### Sintaks:

```
SELECT c.id customer, c.nama customer, SUM(Belanja Customer) as
Total Belanja
FROM (SELECT t.customer id customer, SUM (mm.harga minuman *
tm.jumlah minuman) AS Belanja Customer
      FROM transaksi t
    JOIN transaksi minuman tm ON tm.tm transaksi id = t.id transaksi
    JOIN menu minuman mm ON mm.id minuman = tm.tm menu minuman id
    GROUP BY t.id transaksi) AS RataRataTotalBelanjaPerTransaksi
JOIN customer c ON c.id customer =
RataRataTotalBelanjaPerTransaksi.customer id customer
GROUP BY c.id customer
HAVING AVG(Belanja Customer) > (
    SELECT AVG(avg_total_belanja)
       FROM (SELECT SUM (mm.harga minuman * tm.jumlah minuman) AS
avg total belanja
             FROM transaksi minuman tm
             JOIN menu_minuman mm ON (mm.id_minuman =
tm.tm menu minuman id)
             GROUP BY (tm.tm transaksi id)) AS RataRataKeseluruhan);
```

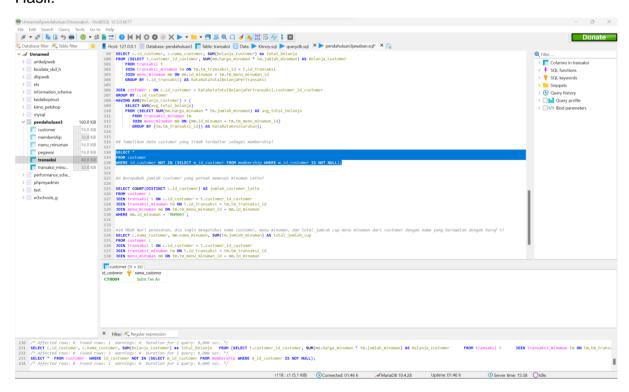


#### Sintaks:

SELECT \*

FROM customer

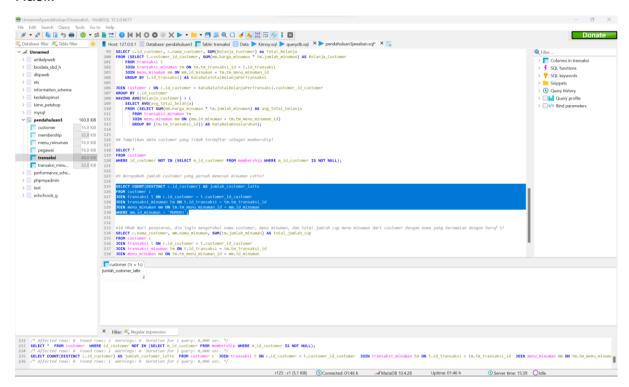
WHERE id\_customer NOT IN (SELECT m\_id\_customer FROM membership WHERE
m id customer IS NOT NULL);



### Sintaks:

```
SELECT COUNT(DISTINCT c.id_customer) AS jumlah_customer_latte
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 mm.id_minuman = 'MNM003';
```

### Hasil:



### Nomor 10

### Sintaks:

