

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
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:

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				id_transaksi	tanggal_transaksi	metode_pembayaran	customer_id_customer	pegawai_nik
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000004	2023-10-15	Kartu debit	CTR003	1234567890123456
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000005	2023-10-15	E-wallet	CTR004	1234567890123456

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

☐ Print | Copy to clipboard | Export | Display chart | Create view

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

					id_transaksi	tanggal_transaksi	metode_pembayaran	customer_id_customer	pegawai_nik
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000001	2023-10-01	Kartu kredit	CTR002	2345678901234561	
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000002	2023-10-03	Transfer bank	CTR004	3456789012345612	
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000003	2023-10-05	Tunai	CTR001	3456789012345612	
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000004	2023-10-15	Kartu debit	CTR003	1234567890123456	
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000005	2023-10-15	E-wallet	CTR004	1234567890123456	
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000006	2023-10-21	Tunai	CTR001	2345678901234561	
<input type="checkbox"/>	Edit	Copy	Delete	TRX0000007	2023-10-03	Transfer bank	CTR004	2345678901234561	

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

☐ Print | Copy to clipboard | Export | Display chart | Create view

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: <input type="text" value="Search this table"/>
Extra options		
id_transaksi	TOTAL_HARGA	
TRX0000001	43000	
TRX0000002	64000	
TRX0000003	75000	
TRX0000004	60000	
TRX0000005	87000	
TRX0000006	42000	
TRX0000007	22000	

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: <input type="text" value="Search this table"/>
Query results operations		
Print	Copy to clipboard	Export
Display chart	Create view	

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table
Extra options		
id_customer	nama_customer	Total_Belanja
CTR001	Budi Santoso	117000
CTR003	Davi Liam	60000
CTR004	Sutris Ten An	173000

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table
Query results operations		
Print	Copy to clipboard	Export
Display chart	Create view	

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table	Sort by key: None
Extra options			
nik	nama_pegawai	jenis_kelamin	email
2345678901234561	Surinala	P	surinala@gmail.com
1234567890123456	Naufal Raf	L	naufal@gmail.com

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table	Sort by key: None
Query results operations			
Print	Copy to clipboard	Export	Display chart
Create view			

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table
Extra options		
BULAN	TAHUN	JUMLAH_CUP
10	2023	19

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table
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Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: <input type="text" value="Search this table"/>
Extra options		
RataRata_Total_Belanja		
56142.857142857145		
<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: <input type="text" value="Search this table"/>
Query results operations		
Print	Copy to clipboard	Export
Display chart	Create view	

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: <input type="text" value="Search this table"/>
Extra options		
id_customer	nama_customer	total_belanja
CTR001	Budi Santoso	58500
CTR003	Davi Liam	60000
CTR004	Sutris Ten An	57666.666666666664
<input type="checkbox"/> Show all Number of rows: 25 Filter rows: <input type="text" value="Search this table"/>		
Query results operations		
Print	Copy to clipboard	Create view

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:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: <input type="text" value="Search this table"/>
Extra options		
id_customer	nama_customer	
CTR004	Sutris Ten An	
<input type="checkbox"/> Show all Number of rows: 25 Filter rows: <input type="text" value="Search this table"/>		
Query results operations		
Print	Copy to clipboard	Export
Display chart	Create view	

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:

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

Extra options

Jumlah_Customer
2

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

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:

☐ Show all

Number of rows: 25 ▾

Filter rows:

Extra options


nama_customer	nama_minuman	total_cup
Sisil Triana	Coffe Frappe	1
Sisil Triana	Cold Brew	1


☐ Show all


Number of rows: 25 ▾


Filter rows:


Query results operations

 Print

 Copy to clipboard

 Export

 Display chart

 Create view