

Praktikum 3 Sistem Basis Data 2023

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Kelas : D
RDBMS : MySQL
Link SQL :
<https://drive.google.com/file/d/1rPRZ-UDbyTfsUiPZPoNP2EvFLRU8fGfT/view?usp=sharing>

Kode Asdos : D02
Sesi : Praktikum

Nomor 1

Sintaks:

```
-- Soal 1

SELECT c.c_nama, c.c_email FROM customer c

WHERE c.c_telp LIKE '081%';
```

Hasil:

c_nama	c_email
Lina Sukarno	lina.sukarno@email.com

Nomor 2

Sintaks:

```
SELECT ts.ts_id, SUM(tr.t_harga) AS total FROM transaksi ts

INNER JOIN

treatment_transaksi tt ON tt.transaksi_ts_id = ts.ts_id

INNER JOIN

treatment tr ON tr.t_id = tt.treatment_t_id

GROUP BY

ts.ts_id
```

```
ORDER BY total DESC  
  
LIMIT 5;
```

Hasil:

ts_id	total ▾ 1
TS000002	540000.00
TS000001	450000.00
TS000003	350000.00
TS000015	310000.00
TS000004	250000.00

Nomor 3

Sintaks:

```
SELECT COUNT(DISTINCT c.c_id) FROM customer c  
  
INNER JOIN  
  
transaksi ts ON ts.customer_c_id = c.c_id  
  
INNER JOIN  
  
treatment_transaksi tt ON tt.transaksi_ts_id = ts.ts_id  
  
INNER JOIN  
  
treatment t ON t.t_id = tt.treatment_t_id  
  
WHERE  
  
c.c_jenis_kelamin = 'L' AND t.t_nama = 'Haircut';
```

Hasil:

COUNT(DISTINCT c.c_id)
4

Nomor 4

Sintaks:

```
SELECT ts_metode_pembayaran AS Metode_Pembayaran,  
COUNT(ts_metode_pembayaran) AS Jumlah FROM transaksi
```

```
GROUP BY ts_metode_pembayaran;
```

Hasil:

Metode_Pembayaran	Jumlah
Cash	7
Credit Card	5
Debit Card	5

Nomor 5

Sintaks:

```
SELECT c.c_nama FROM customer c
INNER JOIN
transaksi ts ON ts.customer_c_id = c.c_id
GROUP BY
c.c_id
HAVING
COUNT(ts.ts_id) > 3;
```

Hasil:

c_nama

Nomor 6

Sintaks:

```
SELECT p.p_nama AS nama_pegawai, ts.ts_id AS id_transaksi,
COUNT(t.t_id) AS jumlah_transaksi FROM pegawai p
INNER JOIN
transaksi ts ON ts.pegawai_p_nik = p.p_nik
INNER JOIN
treatment_transaksi tt ON tt.transaksi_ts_id = ts.ts_id
INNER JOIN
```

```

treatment t ON t.t_id = tt.treatment_t_id

GROUP BY

tt.transaksi_ts_id

HAVING

COUNT(t.t_id) > 3;

```

Hasil:

nama_pegawai	id_transaksi	jumlah_transaksi
Budi Santoso	TS000001	5
Sisil Triana	TS000002	4

Nomor 7

Sintaks:

```

SELECT AVG(t_harga) FROM treatment t

INNER JOIN

treatment_transaksi tt ON tt.treatment_t_id = t.t_id

INNER JOIN

transaksi ts ON ts.ts_id = tt.transaksi_ts_id

INNER JOIN

pegawai p ON p.p_nik = ts.pegawai_p_nik

WHERE

p.p_jenis_kelamin = 'L' AND ts.ts_waktu_transaksi BETWEEN '2023-11-04
00:00:00' AND '2023-11-04 23:59:59';

```

Hasil:

AVG(t_harga)
130000.000000

Nomor 8

Sintaks:

```

SELECT ts.*, c.c_nama, p.p_nama FROM transaksi ts

INNER JOIN

```

```

customer c ON ts.customer_c_id = c.c_id

INNER JOIN

pegawai p ON p.p_nik = ts.pegawai_p_nik

INNER JOIN

treatment_transaksi tt ON tt.transaksi_ts_id = ts.ts_id

INNER JOIN

treatment t ON t.t_id = tt.treatment_t_id

HAVING

MAX(ts_waktu_transaksi);

```

Hasil:

ts_id	ts_waktu_transaksi	ts_metode_pembayaran	pegawai_p_nik	customer_c_id	c_nama	p_nama
TS000001	2023-11-01 10:30:00	Cash	1234567890123456	C0001	Lina Sukarno	Budi Santoso

Nomor 9

Sintaks:

```

SELECT c.c_nama, SUM(t.t_harga) FROM customer c

INNER JOIN

transaksi ts ON ts.customer_c_id = c.c_id

INNER JOIN

treatment_transaksi tt ON tt.transaksi_ts_id = ts.ts_id

INNER JOIN

treatment t ON t.t_id = tt.treatment_t_id

WHERE

ts.ts_metode_pembayaran <> 'Credit Card' AND

(ts.ts_metode_pembayaran = 'Cash' OR ts.ts_metode_pembayaran = 'Debit Card')

GROUP BY

c.c_id;

```

Hasil:

c_nama	SUM(t.t_harga)
Lina Sukarno	830000.00
Arief Wibowo	540000.00
Ratna Kartini	180000.00
Sari Putri	500000.00
Wahyu Saputra	200000.00
Firman Hadi	150000.00
Siska Rahman	260000.00
Yoga Saputra	100000.00

Nomor 10

Sintaks:

```
SELECT t.t_nama, SUM(t.t_harga) FROM customer c
INNER JOIN
transaksi ts ON c.c_id = ts.customer_c_id
INNER JOIN
treatment_transaksi tt ON tt.transaksi_ts_id = ts.ts_id
INNER JOIN
treatment t ON t.t_id = tt.treatment_t_id
WHERE
c.c_nama = 'Hendri Kusuma'
GROUP BY
t.t_id;
```

Hasil:

t_nama	SUM(t.t_harga)
Haircut	80000.00
Facial	120000.00
Massage	150000.00