

JOBSHEET 1

LATIHAN PERINTAH SQL JOIN MULTITABEL

Membuat database :

```
MariaDB [(none)]> create database transaksi;  
Query OK, 1 row affected (0.001 sec)  
  
MariaDB [(none)]> created by syahru
```

Menampilkan database :

```
MariaDB [(none)]> show databases;
```

Hasil tampilan database :

```
MariaDB [(none)]> show databases;  
+-----+  
| Database |  
+-----+  
| bioskop |  
| information_schema |  
| latihan2 |  
| mysql |  
| performance_schema |  
| perhotelan |  
| phpmyadmin |  
| pkk_xiirpl1 |  
| presensi_karyawan_budi |  
| rumah_sakit |  
| siswa |  
| test |  
| tiket_bioskop |  
| transaksi |  
+-----+  
14 rows in set (0.001 sec)  
  
MariaDB [(none)]> created by syahru
```

Membuat tabel pelanggan :

```
MariaDB [transaksi]> create table pelanggan (  
  -> id_pelanggan int (10) not null auto_increment,  
  -> nama varchar (50) not null,  
  -> email varchar (20) not null,  
  -> primary key (id_pelanggan));  
Query OK, 0 rows affected (0.065 sec)  
  
MariaDB [transaksi]> created by syahru
```

Menampilkan tabel pelanggan :

```
MariaDB [transaksi]> desc pelanggan;
```

Hasil tampilan tabel pelanggan :

```
MariaDB [transaksi]> desc pelanggan;  
+-----+-----+-----+-----+-----+-----+  
| Field          | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| id_pelanggan  | int(10)       | NO   | PRI | NULL    | auto_increment |  
| nama          | varchar(50)   | NO   |     | NULL    |                |  
| email         | varchar(20)   | NO   |     | NULL    |                |  
+-----+-----+-----+-----+-----+-----+  
3 rows in set (0.012 sec)  
  
MariaDB [transaksi]> created by syahru
```

Mengisi tabel pelanggan :

```
MariaDB [transaksi]> insert into pelanggan values
-> ("1","Alfa","alfa@yahoo.com"),
-> ("2","Beta","beta@yahoo.com"),
-> ("3","Charlie","charlie@gmail.com"),
-> ("4","Delta","delta@gmail.com");
Query OK, 4 rows affected (0.009 sec)
Records: 4  Duplicates: 0  Warnings: 0

MariaDB [transaksi]> created by syahru
```

Menampilkan isi tabel pelanggan :

```
MariaDB [transaksi]> select * from pelanggan;
```

Hasil tampilan isi tabel pelanggan :

```
MariaDB [transaksi]> select * from pelanggan;
+-----+-----+-----+
| id_pelanggan | nama      | email                      |
+-----+-----+-----+
|          1   | Alfa      | alfa@yahoo.com             |
|          2   | Beta      | beta@yahoo.com             |
|          3   | Charlie   | charlie@gmail.com          |
|          4   | Delta     | delta@gmail.com            |
+-----+-----+-----+
4 rows in set (0.000 sec)

MariaDB [transaksi]> created by syahru
```


Membuat tabel barang :

```
MariaDB [transaksi]> create table barang (  
  -> id_barang int (10) not null,  
  -> id_kategori smallint (6) not null,  
  -> nama_barang varchar (255) not null,  
  -> harga int (11) not null,  
  -> stok int (11) not null,  
  -> primary key (id_barang));  
Query OK, 0 rows affected (0.056 sec)  
  
MariaDB [transaksi]> created by syahru
```

Menampilkan tabel barang :

```
MariaDB [transaksi]> desc barang;
```

Hasil tampilan tabel barang :

```
MariaDB [transaksi]> desc barang;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| id_barang  | int(10)       | NO   | PRI | NULL    |       |  
| id_kategori| smallint(6)   | NO   |     | NULL    |       |  
| nama_barang| varchar(255)  | NO   |     | NULL    |       |  
| harga      | int(11)       | NO   |     | NULL    |       |  
| stok       | int(11)       | NO   |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.013 sec)  
  
MariaDB [transaksi]> created by syahru
```

Mengisi tabel barang :

```
MariaDB [transaksi]> insert into barang values
-> ("1","1","RAM","230000","4"),
-> ("2","1","Mainboard","1250000","7"),
-> ("3","1","Mouse","80000","6"),
-> ("4","3","Mousepad","35000","3"),
-> ("5","3","Keyboard","80000","5");
Query OK, 5 rows affected (0.008 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [transaksi]> created by syahru
```

Menampilkan isi tabel barang :

```
MariaDB [transaksi]> select * from barang;
```

Hasil tampilan isi tabel barang :

```
MariaDB [transaksi]> select * from barang;
+-----+-----+-----+-----+-----+
| id_barang | id_kategori | nama_barang | harga  | stok |
+-----+-----+-----+-----+-----+
|          1 |          1 | RAM         | 230000 |    4 |
|          2 |          1 | Mainboard   | 1250000 |    7 |
|          3 |          1 | Mouse       | 80000  |    6 |
|          4 |          3 | Mousepad    | 35000  |    3 |
|          5 |          3 | Keyboard    | 80000  |    5 |
+-----+-----+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [transaksi]> created by syahru
```

Membuat tabel penjualan :

```
MariaDB [transaksi]> create table penjualan (  
  -> id_transaksi int (11) not null,  
  -> id_pelanggan int (11) not null,  
  -> tgl_transaksi date not null,  
  -> total_trx int (11) not null,  
  -> primary key (id_transaksi));  
Query OK, 0 rows affected (0.061 sec)  
  
MariaDB [transaksi]> created by syahru
```

Menampilkan tabel penjualan :

```
MariaDB [transaksi]> desc penjualan;
```

Hasil tampilan tabel penjualan :

```
MariaDB [transaksi]> desc penjualan;  
+-----+-----+-----+-----+-----+-----+  
| Field          | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| id_transaksi   | int(11)   | NO   | PRI | NULL     |       |  
| id_pelanggan   | int(11)   | NO   |     | NULL     |       |  
| tgl_transaksi  | date      | NO   |     | NULL     |       |  
| total_trx      | int(11)   | NO   |     | NULL     |       |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.017 sec)  
  
MariaDB [transaksi]> created by syahru
```


Mengisi tabel penjualan

```
MariaDB [transaksi]> insert into penjualan values
-> ("1","1","2022-07-29","230000"),
-> ("2","3","2022-07-29","195000"),
-> ("3","2","2022-07-29","1710000"),
-> ("4","1","2022-07-28","350000"),
-> ("5","3","2022-07-28","800000");
Query OK, 5 rows affected (0.007 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [transaksi]> created by syahru
```

Menampilkan isi tabel penjualan :

```
MariaDB [transaksi]> select * from penjualan;
```

Hasil tampilan isi tabel penjualan :

```
MariaDB [transaksi]> select * from penjualan;
+-----+-----+-----+-----+
| id_transaksi | id_pelanggan | tgl_transaksi | total_trx |
+-----+-----+-----+-----+
|          1 |          1 | 2022-07-29   |    230000 |
|          2 |          3 | 2022-07-29   |    195000 |
|          3 |          2 | 2022-07-29   |   1710000 |
|          4 |          1 | 2022-07-28   |    350000 |
|          5 |          3 | 2022-07-28   |    800000 |
+-----+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [transaksi]> created by syahru
```

Perintah Inner Join

```
MariaDB [transaksi]> select
-> pelanggan.id_pelanggan,
-> pelanggan.nama,
-> penjualan.tgl_transaksi,
-> penjualan.total_trx
-> from pelanggan inner join penjualan on
-> pelanggan.id_pelanggan=penjualan.id_pelanggan;
```

id_pelanggan	nama	tgl_transaksi	total_trx
1	Alfa	2022-07-29	230000
3	Charlie	2022-07-29	195000
2	Beta	2022-07-29	1710000
1	Alfa	2022-07-28	350000
3	Charlie	2022-07-28	800000

5 rows in set (0.002 sec)

```
MariaDB [transaksi]> created by syahru
```