JOBSHEET 2
LATIHAN PERINTAH SQL JOIN MULTITABEL

8. 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;
```

Hasil tampilan Inner Join

```
+--------------+---------+---------------+-----------+
| 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 (0.007 sec)

MariaDB [transaksi]> created by syahru
```

9. Perintah Left Join

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

Hasil tampilan Left Join

```
+--------------+---------+---------------+-----------+
| 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 |
|            4 | Delta   | NULL          |      NULL |
+--------------+---------+---------------+-----------+
6 rows in set (0.001 sec)

MariaDB [transaksi]> created by syahru
```

10. Perintah Right Join

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

Hasil tampilan Right Join

```
+--------------+---------+--------------+---------------+-----------+
| id_pelanggan | nama    | id_transaksi | tgl_transaksi | total_trx |
+--------------+---------+--------------+---------------+-----------+
|            1 | Alfa    |            1 | 2022-07-29    |    230000 |
|            3 | Charlie |            2 | 2022-07-29    |    195000 |
|            2 | Beta    |            3 | 2022-07-29    |   1710000 |
|            1 | Alfa    |            4 | 2022-07-28    |    350000 |
|            3 | Charlie |            5 | 2022-07-28    |    800000 |
+--------------+---------+--------------+---------------+-----------+
5 rows in set (0.002 sec)

MariaDB [transaksi]> created by syahru
```

11. Perintah Implisit Join (Where)

```
MariaDB [transaksi]> select
    -> pelanggan.id_pelanggan,
    -> pelanggan.nama,
    -> penjualan.id_transaksi,
    -> penjualan.tgl_transaksi,
    -> penjualan.total_trx
    -> from pelanggan, penjualan where
    -> pelanggan.id_pelanggan=penjualan.id_pelanggan;
```

Hasil tampilan Implisit Join (Where)

```
+--------------+---------+--------------+---------------+-----------+
| id_pelanggan | nama    | id_transaksi | tgl_transaksi | total_trx |
+--------------+---------+--------------+---------------+-----------+
|            1 | Alfa    |            1 | 2022-07-29    |    230000 |
|            3 | Charlie |            2 | 2022-07-29    |    195000 |
|            2 | Beta    |            3 | 2022-07-29    |   1710000 |
|            1 | Alfa    |            4 | 2022-07-28    |    350000 |
|            3 | Charlie |            5 | 2022-07-28    |    800000 |
+--------------+---------+--------------+---------------+-----------+
5 rows in set (0.001 sec)

MariaDB [transaksi]> created by syahru
```

12. Perintah membuat tabel Penjualan Detail

```
MariaDB [transaksi]> create table penjualan_detail(
    -> id_transaksi_detail int (11) auto_increment,
    -> id_transaksi int (11) not null,
    -> id_pelanggan int (11) not null,
    -> id_barang int (11) not null,
    -> jml_barang smallint (6) not null,
    -> harga_satuan int (11) not null,
    -> primary key (id_transaksi_detail));
Query OK, 0 rows affected (0.065 sec)

MariaDB [transaksi]> created by syahru
```

13. Mengisi tabel Penjualan Detail

```
MariaDB [transaksi]> insert into penjualan_detail values
    -> ("1","1","1","1","1","230000"),
    -> ("2","2","3","3","1","80000"),
    -> ("3","2","3","4","1","35000"),
    -> ("4","2","3","5","1","80000"),
    -> ("5","3","2","2","1","1250000"),
    -> ("6","3","2","1","2","230000"),
    -> ("7","4","1","1","1","230000"),
    -> ("8","4","1","5","1","80000"),
    -> ("9","5","0","5","1","80000");
Query OK, 9 rows affected (0.012 sec)
Records: 9  Duplicates: 0  Warnings: 0
```

Menampilkan isi tabel Penjualan Detail

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

Hasil tampilan isi tabel Penjualan Detail

```
MariaDB [transaksi]> select * from penjualan_detail;
+-------------------+--------------+--------------+-----------+------------+--------------+
| id_transaksi_detail | id_transaksi | id_pelanggan | id_barang | jml_barang | harga_satuan |
+-------------------+--------------+--------------+-----------+------------+--------------+
|                 1 |            1 |            1 |         1 |          1 |       230000 |
|                 2 |            2 |            3 |         3 |          1 |        80000 |
|                 3 |            2 |            3 |         4 |          1 |        35000 |
|                 4 |            2 |            3 |         5 |          1 |        80000 |
|                 5 |            3 |            2 |         2 |          1 |      1250000 |
|                 6 |            3 |            2 |         1 |          2 |       230000 |
|                 7 |            4 |            1 |         1 |          1 |       230000 |
|                 8 |            4 |            1 |         5 |          1 |        80000 |
|                 9 |            5 |            0 |         5 |          1 |        80000 |
+-------------------+--------------+--------------+-----------+------------+--------------+
9 rows in set (0.001 sec)

MariaDB [transaksi]> created by syahru
```

14. Perintah membuat relasi beberapa tabel

```
MariaDB [transaksi]> select
    -> penjualan_detail.id_transaksi_detail,
    -> penjualan_detail.id_transaksi,
    -> penjualan.tgl_transaksi,
    -> pelanggan.nama,
    -> barang.nama_barang,
    -> penjualan_detail.jml_barang,
    -> penjualan_detail.harga_satuan
    -> from penjualan_detail
    -> join penjualan on penjualan_detail.id_transaksi=penjualan.id_transaksi
    -> join pelanggan on penjualan_detail.id_pelanggan=pelanggan.id_pelanggan
    -> join barang on penjualan_detail.id_barang=barang.id_barang;
```

Hasil tampilan relasi antara tabel Penjualan Detail, Penjualan, Pelanggan, dan Barang

```
+---------------------+--------------+---------------+---------+-------------+-------------+--------------+
| id_transaksi_detail | id_transaksi | tgl_transaksi | nama    | nama_barang | jml_barang  | harga_satuan |
+---------------------+--------------+---------------+---------+-------------+-------------+--------------+
|                   1 |            1 | 2022-07-29    | Alfa    | RAM         |           1 |       230000 |
|                   7 |            4 | 2022-07-28    | Alfa    | RAM         |           1 |       230000 |
|                   8 |            4 | 2022-07-28    | Alfa    | Keyboard    |           1 |        80000 |
|                   5 |            3 | 2022-07-29    | Beta    | Mainboard   |           1 |      1250000 |
|                   6 |            3 | 2022-07-29    | Beta    | RAM         |           2 |       230000 |
|                   2 |            2 | 2022-07-29    | Charlie | Mouse       |           1 |        80000 |
|                   3 |            2 | 2022-07-29    | Charlie | Mousepad    |           1 |        35000 |
|                   4 |            2 | 2022-07-29    | Charlie | Keyboard    |           1 |        80000 |
+---------------------+--------------+---------------+---------+-------------+-------------+--------------+
8 rows in set (0.001 sec)

MariaDB [transaksi]> created by syahru
```