

JOB SHEET 5
Menggunakan Fungsi COUNT IF Untuk Menjumlah Baris Nilai
Pada Field (Kolom) Suatu Tabel Pada MySQL

HASIL PRAKTEK 1
Query SQL menampilkan input data

```
MariaDB [transaksi]> select
-> COUNT(IF(YEAR(tgl_transaksi) = 2022, total_trx, NULL)) AS item_2022,
-> SUM(IF(YEAR(tgl_transaksi) = 2022, total_trx, 0)) AS jml_2022,
-> COUNT(IF(YEAR(tgl_transaksi) = 2019, total_trx, NULL)) AS item_2019,
-> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,
-> COUNT(IF(YEAR(tgl_transaksi) = 2018, total_trx, NULL)) AS item_2018,
-> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018
-> FROM penjualan; SyahrurF
```

Hasil tampilan

```
+-----+-----+-----+-----+-----+-----+
| item_2022 | jml_2022 | item_2019 | jml_2019 | item_2018 | jml_2018 |
+-----+-----+-----+-----+-----+-----+
|          5 | 30000000 |          5 | 31600000 |          5 | 38600000 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.011 sec)

MariaDB [transaksi]> SyahrurF
```

HASIL PRAKTEK 2

Query SQL menampilkan input data

```
MariaDB [transaksi]> select id_pelanggan,
-> COUNT(IF(YEAR(tgl_transaksi) = 2022, total_trx, NULL)) AS item_2022,
-> SUM(IF(YEAR(tgl_transaksi) = 2022, total_trx, 0)) AS jml_2022,
-> COUNT(IF(YEAR(tgl_transaksi) = 2019, total_trx, NULL)) AS item_2019,
-> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,
-> COUNT(IF(YEAR(tgl_transaksi) = 2018, total_trx, NULL)) AS item_2018,
-> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018
-> FROM penjualan
-> GROUP BY id_pelanggan; SyahruRF
```

Hasil tampilan

| id_pelanggan | item_2022 | jml_2022 | item_2019 | jml_2019 | item_2018 | jml_2018 |
|--------------|-----------|----------|-----------|----------|-----------|----------|
| 1 | 1 | 130000 | 1 | 450000 | 1 | 825000 |
| 2 | 2 | 860000 | 1 | 1250000 | 1 | 1760000 |
| 3 | 1 | 1200000 | 1 | 170000 | 1 | 375000 |
| 4 | 1 | 810000 | 1 | 150000 | 1 | 120000 |
| 5 | 0 | 0 | 1 | 1140000 | 1 | 780000 |

5 rows in set (0.007 sec)

```
MariaDB [transaksi]> SyahruRF
```

HASIL PRAKTEK 3

Query SQL menampilkan input data

```
MariaDB [transaksi]> select id_pelanggan, nama, email,
-> COUNT(IF(YEAR(tgl_transaksi) = 2022, total_trx, NULL)) AS item_2022,
-> SUM(IF(YEAR(tgl_transaksi) = 2022, total_trx, 0)) AS jml_2022,
-> COUNT(IF(YEAR(tgl_transaksi) = 2019, total_trx, NULL)) AS item_2019,
-> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,
-> COUNT(IF(YEAR(tgl_transaksi) = 2018, total_trx, NULL)) AS item_2018,
-> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018
-> FROM penjualan
-> INNER JOIN pelanggan USING (id_pelanggan)
-> GROUP BY id_pelanggan; SyahrurF
```

Hasil tampilan

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| id_pelanggan | nama | email | item_2022 | jml_2022 | item_2019 | jml_2019 | item_2018 | jml_2018 |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | Alfa | alfa@yahoo.com | 1 | 130000 | 1 | 450000 | 1 | 825000 |
| 2 | Beta | beta@yahoo.com | 2 | 860000 | 1 | 1250000 | 1 | 1760000 |
| 3 | Charlie | charlie@gmail.com | 1 | 1200000 | 1 | 170000 | 1 | 375000 |
| 4 | Delta | delta@gmail.com | 1 | 810000 | 1 | 150000 | 1 | 120000 |
| 5 | Echo | echo@gmail.com | 0 | 0 | 1 | 1140000 | 1 | 780000 |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.010 sec)

MariaDB [transaksi]> SyahrurF
```