

# JOB SHEET 4

## Menggunakan Fungsi SUM IF Untuk Menjumlahkan Nilai Pada Field (Kolom) dengan Join Table lain Pada Suatu Tabel di MySQL

### HASIL PRAKTEK 1

#### Query SQL Menampilkan Input Data

```
MariaDB [transaksi]> select id_pelanggan,  
-> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018,  
-> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,  
-> SUM(total_trx) AS TOTAL  
-> FROM penjualan  
-> GROUP BY id_pelanggan; SyahruRF
```

#### Hasil Tampilan

id_pelanggan	jml_2018	jml_2019	TOTAL
1	825000	450000	1275000
2	1760000	1250000	3010000
3	375000	170000	545000
4	120000	150000	270000
5	780000	1140000	1920000

5 rows in set (0.000 sec)

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

## HASIL PRAKTEK 2

### Query SQL Menampilkan Input Data

```
MariaDB [transaksi]> select id_pelanggan, nama, email,
    -> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018,
    -> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,
    -> SUM(total_trx) AS TOTAL
    -> FROM penjualan
    -> INNER JOIN pelanggan USING (id_pelanggan)
    -> GROUP BY id_pelanggan; SyahruRF
```

### Hasil Tampilan

id_pelanggan	nama	email	jml_2018	jml_2019	TOTAL
1	Alfa	alfa@yahoo.com	825000	450000	1275000
2	Beta	beta@yahoo.com	1760000	1250000	3010000
3	Charlie	charlie@gmail.com	375000	170000	545000
4	Delta	delta@gmail.com	120000	150000	270000
5	Echo	echo@gmail.com	780000	1140000	1920000

5 rows in set (0.001 sec)

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

# HASIL PRAKTEK 3

## Query SQL Menampilkan Input Data

```
MariaDB [transaksi]> select id_pelanggan, nama, email,
-> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018,
-> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,
-> SUM(total_trx) AS TOTAL
-> FROM penjualan
-> INNER JOIN pelanggan USING (id_pelanggan)
-> GROUP BY id_pelanggan
-> UNION ALL
-> select "" AS id_pelanggan,
-> "" AS nama,
-> "GRAND TOTAL" AS email,
-> SUM(IF(YEAR(tgl_transaksi) = 2018, total_trx, 0)) AS jml_2018,
-> SUM(IF(YEAR(tgl_transaksi) = 2019, total_trx, 0)) AS jml_2019,
-> SUM(total_trx) AS TOTAL
-> FROM penjualan; SyahrurF
```

## Hasil Tampilan

id_pelanggan	nama	email	jml_2018	jml_2019	TOTAL
1	Alfa	alfa@yahoo.com	825000	450000	1275000
2	Beta	beta@yahoo.com	1760000	1250000	3010000
3	Charlie	charlie@gmail.com	375000	170000	545000
4	Delta	delta@gmail.com	120000	150000	270000
5	Echo	echo@gmail.com	780000	1140000	1920000
		GRAND TOTAL	3860000	3160000	7020000

6 rows in set (0.001 sec)

```
MariaDB [transaksi]> SyahrurF
```