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Modul : 8

## DATABASE PERBANKAN

### Nomor 1

```
mysql> use Perbankan;
Database changed
mysql> select transaksi.jenis_transaksi, transaksi.jumlah AS 'Jumlah(Rp)', count(jumlah) AS 'Total Transaksi'
-> from transaksi, nasabah
-> where nasabah.id_nasabah = transaksi.id_nasabahFK and
-> nasabah.nama_nasabah = 'Kartika Padmasari' group by transaksi.jenis_transaksi;
+-----+-----+-----+
| jenis_transaksi | Jumlah(Rp) | Total Transaksi |
+-----+-----+-----+
| debit           | 100000     | 2               |
| kredit          | 20000      | 3               |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select sum(saldo) AS 'Total Saldo Maryati' from rekening, nasabah, nasabah_has_rekening
-> where nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK and
-> rekening.no_rekening = nasabah_has_rekening.no_rekeningFK and
-> nasabah.nama_nasabah = 'Maryati';
+-----+
| Total Saldo Maryati |
+-----+
| 750000              |
+-----+
1 row in set (0.03 sec)

mysql> select count(jumlah), cabang_bank.nama_cabang from transaksi, rekening, cabang_bank
-> where rekening.no_rekening = transaksi.no_rekeningFK and
-> rekening.kode_cabangFK = cabang_bank.kode_cabang group by cabang_bank.nama_cabang;
+-----+-----+
| count(jumlah) | cabang_bank.nama_cabang |
+-----+-----+
| 2             | Cabang Bank 1           |
| 3             | Cabang Bank 2           |
+-----+-----+
```

### Nomor 2

```
mysql> use Perbankan;
Database changed
mysql> select transaksi.jenis_transaksi, transaksi.jumlah AS 'Jumlah(Rp)', count(jumlah) AS 'Total Transaksi'
-> from transaksi, nasabah
-> where nasabah.id_nasabah = transaksi.id_nasabahFK and
-> nasabah.nama_nasabah = 'Kartika Padmasari' group by transaksi.jenis_transaksi;
+-----+-----+-----+
| jenis_transaksi | Jumlah(Rp) | Total Transaksi |
+-----+-----+-----+
| debit           | 100000     | 2               |
| kredit          | 20000      | 3               |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select sum(saldo) AS 'Total Saldo Maryati' from rekening, nasabah, nasabah_has_rekening
-> where nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK and
-> rekening.no_rekening = nasabah_has_rekening.no_rekeningFK and
-> nasabah.nama_nasabah = 'Maryati';
+-----+
| Total Saldo Maryati |
+-----+
| 750000              |
+-----+
1 row in set (0.03 sec)

mysql> select count(jumlah), cabang_bank.nama_cabang from transaksi, rekening, cabang_bank
-> where rekening.no_rekening = transaksi.no_rekeningFK and
-> rekening.kode_cabangFK = cabang_bank.kode_cabang group by cabang_bank.nama_cabang;
+-----+-----+
| count(jumlah) | cabang_bank.nama_cabang |
+-----+-----+
| 2             | Cabang Bank 1           |
| 3             | Cabang Bank 2           |
+-----+-----+
```

### Nomor 3

```
| kredit | 20000 | 3 |
+-----+-----+
2 rows in set (0.00 sec)

mysql> select sum(saldo) AS 'Total Saldo Maryati' from rekening, nasabah, nasabah_has_rekening
  -> where nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK and
  -> rekening.no_rekening = nasabah_has_rekening.no_rekeningFK and
  -> nasabah.nama_nasabah = 'Maryati';
+-----+
| Total Saldo Maryati |
+-----+
|          750000     |
+-----+
1 row in set (0.03 sec)

mysql> select count(jumlah), cabang_bank.nama_cabang from transaksi, rekening, cabang_bank
  -> where rekening.no_rekening = transaksi.no_rekeningFK and
  -> rekening.kode_cabangFK = cabang_bank.kode_cabang group by cabang_bank.nama_cabang;
+-----+-----+
| count(jumlah) | nama_cabang |
+-----+-----+
|          1   | Bank Rut Unit Boyolali |
|          2   | Bank Rut Unit Klaten  |
|          4   | Bank Rut Unit Magelang |
|         29   | Bank Rut Unit Surakarta |
|          4   | Bank Rut Unit Wonogiri |
|         10   | Bank Rut Unit Yogyakarta |
+-----+-----+
6 rows in set (0.00 sec)
```

### Nomor 4

```
|          2   | Bank Rut Unit Klaten  |
|          4   | Bank Rut Unit Magelang |
|         29   | Bank Rut Unit Surakarta |
|          4   | Bank Rut Unit Wonogiri |
|         10   | Bank Rut Unit Yogyakarta |
+-----+-----+
6 rows in set (0.00 sec)

mysql> select nasabah.nama_nasabah, count(saldo) AS 'Jumlah Saldo' from rekening, nasabah, nasabah_has_rekening where saldo
between 500000 and 2000000
  -> and nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK and
  -> rekening.no_rekening = nasabah_has_rekening.no_rekeningFK;
+-----+-----+
| nama_nasabah | Jumlah Saldo |
+-----+-----+
| Sutopo       |          5   |
+-----+-----+
1 row in set (0.00 sec)

mysql> select nasabah.nama_nasabah, sum(saldo) AS 'Jumlah Saldo' from rekening, nasabah, nasabah_has_rekening where saldo
between 500000 and 2000000
  -> and nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK and
  -> rekening.no_rekening = nasabah_has_rekening.no_rekeningFK;
+-----+-----+
| nama_nasabah | Jumlah Saldo |
+-----+-----+
| Sutopo       |       3200000 |
+-----+-----+
1 row in set (0.00 sec)
```

### Nomor 5

```
7 rows in set (0.00 sec)

mysql> select nasabah.nama_nasabah, transaksi.tanggal, transaksi.jumlah from nasabah, transaksi
  -> where nasabah.id_nasabah = transaksi.id_nasabahFK and
  -> transaksi.jumlah > 100000 order by transaksi.jumlah desc;
+-----+-----+-----+
| nama_nasabah | tanggal                | jumlah |
+-----+-----+-----+
| Jon Koplo    | 2017-05-26 00:00:00    | 9700000 |
| Jon Koplo    | 2017-05-26 00:00:00    | 8500000 |
| Anggit       | 2017-06-08 00:00:00    | 7000000 |
| Anggit       | 2017-06-08 00:00:00    | 7000000 |
| Anggit       | 2017-06-08 00:00:00    | 7000000 |
| Anggit       | 2017-05-26 00:00:00    | 7000000 |
| Maryati      | 2017-05-24 00:00:00    | 5470000 |
| Sutopo       | 2017-05-26 00:00:00    | 5200000 |
| Sari Murti   | 2017-05-24 00:00:00    | 3570000 |
| Budi Eko Prayogo | 2017-06-14 00:00:00    | 2630000 |
| Budi Murtono | 2017-05-24 00:00:00    | 2500000 |
| Budi Eko Prayogo | 2009-12-05 00:00:00    | 2000000 |
| Maryati      | 2009-11-28 00:00:00    | 2000000 |
| Kartika Padmasari | 2009-11-20 00:00:00    | 2000000 |
| Sutopo       | 2009-11-15 00:00:00    | 2000000 |
| Canka Lokananta | 2009-11-15 00:00:00    | 1500000 |
| Indri Hapsari | 2017-05-24 00:00:00    | 1300000 |
| Satria Eka Jaya | 2017-05-24 00:00:00    | 1250000 |
+-----+-----+-----+
18 rows in set (0.00 sec)

mysql>
```