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Modul 5

Praktikum Sistem Basis Data

Tugas

Masukkan beberapa record ke setiap tabel dalam database yang telah anda buat pada modul 4. Print out hasil implementasi rancangan tersebut dan analisis hasilnya. (Masing-masing 10 record untuk tabel master dan 20 record untuk tabel tranaksi)

```
Microsoft Windows [Version 10.0.18362.720]
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C:\Users\RISKA MEILINA PUSPA>cd\

C:\>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
```

Nasabah

```
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
    -> VALUES(11, 'Riska', 'Jl. Manunggal 2'),
    -> (12, 'Haiqal', 'Jl. Seden'),
    -> (13, 'Sabilaa', 'Jl. Anggrek 4'),
    -> (14, 'Naila', 'Jl. Mangga 7'),
    -> (15, 'Tiara', 'Jl. Untung Suropati 2'),
    -> (16, 'Hasna', 'Jl. Ir. Soekarno 5'),
    -> (17, 'Ardan', 'Jl. Ahmad Yani 7'),
    -> (18, 'Yohan', 'Jl. Jeruk 34'),
    -> (19, 'Junho', 'Jl. Merak 78'),
    -> (20, 'Bagas', 'Jl. Mawar 12');
Query OK, 10 rows affected (0.232 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Cabang Bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_bank, nama_cabang, alamat_cabang)
    -> VALUES('BRUS', 'Bank Rut Unit Semarang', 'Jl. Pemuda 148'),
    -> ('BRUM', 'Bank Rut Unit Malang', 'Jl. Gajah Raya'),
    -> ('BRUK', 'Bank Rut Unit Kediri', 'Jl. Plumbon 3'),
    -> ('BRUP', 'Bank Rut Unit Pekalongan', 'Jl. Ruwosari 1'),
    -> ('BRUG', 'Bank Rut Unit Gresik', 'Jl. Gresik 91'),
    -> ('BRUC', 'Bank Rut Unit Cirebon', 'Jl. Juanda 6'),
    -> ('BRUPo', 'Bank Rut Unit Ponoroggo', 'Jl. Cokroaminoto 77'),
    -> ('BRUSa', 'Bank Rut Unit Surabaya', 'Jl. Gajah Mada 4'),
    -> ('BRUB', 'Bank Rut Unit Bandung', 'Jl. Asia Afrika 24'),
    -> ('BRUMa', 'Bank Rut Unit Makassar', 'Jl. Hasanudin 81');
Query OK, 10 rows affected (0.159 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Rekening

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo)
    -> VALUES(201, 'BRUS', '1234', 500000),
    -> (202, 'BRUM', '9014', 1500000),
    -> (203, 'BRUK', '5678', 1000000),
    -> (204, 'BRUP', '4367', 650000),
    -> (205, 'BRUG', '5462', 900000),
    -> (206, 'BRUC', '4327', 400000),
    -> (207, 'BRUPo', '3289', 3000000),
    -> (208, 'BRUSa', '7650', 2000000),
    -> (209, 'BRUB', '4178', 5500000),
    -> (210, 'BRUMa', '1198', 550000);
Query OK, 10 rows affected (0.176 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Nasabah Has Rekening

```
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK)
    -> VALUES(11, 201),
    -> (12, 202),
    -> (13, 203),
    -> (14, 204),
    -> (15, 205),
    -> (16, 206),
    -> (17, 207),
    -> (18, 208),
    -> (19, 209),
    -> (10, 210);
Query OK, 10 rows affected (0.071 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Transaksi

```
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
    -> VALUES(1, 201, 11, 'debit', 2020-11-1, 50000),
    -> (2, 203, 13, 'debit', 2020-11-7, 100000),
    -> (3, 205, 15, 'debit', 2020-11-19, 200000),
    -> (4, 210, 10, 'debit', 2020-11-20, 150000),
    -> (5, 202, 12, 'debit', 2020-11-22, 150000),
    -> (6, 204, 14, 'debit', 2020-11-22, 250000),
    -> (7, 206, 16, 'debit', 2020-11-24, 50000),
    -> (8, 209, 19, 'debit', 2020-11-26, 750000),
    -> (9, 207, 17, 'debit', 2020-11-28, 400000),
    -> (10, 208, 17, 'debit', 2020-11-29, 500000),
    -> (11, 201, 11, 'kredit', 2020-11-30, 1500000),
    -> (12, 202, 12, 'kredit', 2020-12-2, 2000000),
    -> (13, 203, 13, 'kredit', 2020-12-5, 700000),
    -> (14, 204, 14, 'kredit', 2020-12-5, 800000),
    -> (15, 205, 15, 'kredit', 2020-12-9, 500000),
    -> (16, 206, 16, 'kredit', 2020-12-11, 550000),
    -> (17, 207, 17, 'kredit', 2020-12-17, 300000),
    -> (18, 208, 18, 'kredit', 2020-12-20, 450000),
    -> (19, 209, 19, 'kredit', 2020-12-24, 950000),
    -> (20, 210, 20, 'kredit', 2020-12-27, 2000000);
Query OK, 20 rows affected, 20 warnings (0.120 sec)
Records: 20  Duplicates: 0  Warnings: 20
```

Hasil

```
MariaDB [perbankan]> SELECT * FROM nasabah;
+------------+-------------------+---------------------------+
| id_nasabah | nama_nasabah      | alamat_nasabah            |
+------------+-------------------+---------------------------+
|          1 | Sutopo            | Jl. Jendral Sudirman 12   |
|          2 | Maryati           | Jl. M.T Haryono 31        |
|          3 | Suparman          | Jl. Hasanudian 81         |
|          4 | Kartika Padmasari | Jl. Manggis 15            |
|          5 | Budi Eko Paryogo  | Jl. Kantil 30             |
|          6 | Satria Eka Jaya   | Jl. Slamet Riyadi 45      |
|          7 | Indri Hapsari     | Jl. Sutoyo 5              |
|          8 | Sari Murti        | Jl. Pangandaran 11        |
|          9 | Canka Lokananta   | Jl. Tidar 86              |
|         10 | Budi Murtono      | Jl. Merak 22              |
|         11 | Riska             | Jl. Manunggal 2           |
|         12 | Haiqal            | Jl. Seden                 |
|         13 | Sabilaa           | Jl. Anggrek 4             |
|         14 | Naila             | Jl. Mangga 7              |
|         15 | Tiara             | Jl. Untung Suropati 2     |
|         16 | Hasna             | Jl. Ir. Soekarno 5        |
|         17 | Ardan             | Jl. Ahmad Yani 7          |
|         18 | Yohan             | Jl. Jeruk 34              |
|         19 | Junho             | Jl. Merak 78              |
|         20 | Bagas             | Jl. Mawar 12              |
+------------+-------------------+---------------------------+
20 rows in set (0.001 sec)

MariaDB [perbankan]> SELECT * FROM cabang_bank;
+-----------+-------------------------+----------------------+
| kode_bank | nama_cabang             | alamat_cabang        |
+-----------+-------------------------+----------------------+
| BRUB      | Bank Rut Unit Bandung   | Jl. Asia Afrika 24   |
| BRUC      | Bank Rut Unit Cirebon   | Jl. Juanda 6         |
| BRUG      | Bank Rut Unit Gresik    | Jl. Gresik 91        |
| BRUK      | Bank Rut Unit Kediri    | Jl. Plumbon 3        |
| BRUM      | Bank Rut Unit Malang    | Jl. Gajah Raya       |
| BRUMa     | Bank Rut Unit Makassar  | Jl. Hasanudin 81     |
| BRUP      | Bank Rut Unit Pekalongan| Jl. Ruwosari 1       |
| BRUPo     | Bank Rut Unit Ponoroggo | Jl. Cokroaminoto 77  |
| BRUS      | Bank Rut Unit Semarang  | Jl. Pemuda 148       |
| BRUSa     | Bank Rut Unit Surabaya  | Jl. Gajah Mada 4     |
+-----------+-------------------------+----------------------+
10 rows in set (0.000 sec)
```

```
MariaDB [perbankan]> SELECT * FROM rekening;
+------------+--------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+------+---------+
|        201 | BRUS         | 1234 |  500000 |
|        202 | BRUM         | 9014 | 1500000 |
|        203 | BRUK         | 5678 | 1000000 |
|        204 | BRUP         | 4367 |  650000 |
|        205 | BRUG         | 5462 |  900000 |
|        206 | BRUC         | 4327 |  400000 |
|        207 | BRUPo        | 3289 | 3000000 |
|        208 | BRUSa        | 7650 | 2000000 |
|        209 | BRUB         | 4178 | 5500000 |
|        210 | BRUMa        | 1198 |  550000 |
+------------+--------------+------+---------+
10 rows in set (0.000 sec)

MariaDB [perbankan]> SELECT * FROM nasabah_has_rekening;
+-------------+---------------+
| id_nasabahFK | no_rekeningFK |
+-------------+---------------+
|          10 |           210 |
|          11 |           201 |
|          12 |           202 |
|          13 |           203 |
|          14 |           204 |
|          15 |           205 |
|          16 |           206 |
|          17 |           207 |
|          18 |           208 |
|          19 |           209 |
+-------------+---------------+
10 rows in set (0.000 sec)
```

```
MariaDB [perbankan]> SELECT * FROM transaksi;
+-------------+-------------+---------------+----------------+---------------------+---------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal             | jumlah  |
+-------------+-------------+---------------+----------------+---------------------+---------+
|           1 |         201 |            11 | debit          | 0000-00-00 00:00:00 |   50000 |
|           2 |         203 |            13 | debit          | 0000-00-00 00:00:00 |  100000 |
|           3 |         205 |            15 | debit          | 0000-00-00 00:00:00 |  200000 |
|           4 |         210 |            10 | debit          | 0000-00-00 00:00:00 |  150000 |
|           5 |         202 |            12 | debit          | 0000-00-00 00:00:00 |  150000 |
|           6 |         204 |            14 | debit          | 0000-00-00 00:00:00 |  250000 |
|           7 |         206 |            16 | debit          | 0000-00-00 00:00:00 |   50000 |
|           8 |         209 |            19 | debit          | 0000-00-00 00:00:00 |  750000 |
|           9 |         207 |            17 | debit          | 0000-00-00 00:00:00 |  400000 |
|          10 |         208 |            17 | debit          | 0000-00-00 00:00:00 |  500000 |
|          11 |         201 |            11 | kredit         | 0000-00-00 00:00:00 | 1500000 |
|          12 |         202 |            12 | kredit         | 0000-00-00 00:00:00 | 2000000 |
|          13 |         203 |            13 | kredit         | 0000-00-00 00:00:00 |  700000 |
|          14 |         204 |            14 | kredit         | 0000-00-00 00:00:00 |  800000 |
|          15 |         205 |            15 | kredit         | 0000-00-00 00:00:00 |  500000 |
|          16 |         206 |            16 | kredit         | 0000-00-00 00:00:00 |  550000 |
|          17 |         207 |            17 | kredit         | 0000-00-00 00:00:00 |  300000 |
|          18 |         208 |            18 | kredit         | 0000-00-00 00:00:00 |  450000 |
|          19 |         209 |            19 | kredit         | 0000-00-00 00:00:00 |  950000 |
|          20 |         210 |            20 | kredit         | 0000-00-00 00:00:00 | 2000000 |
+-------------+-------------+---------------+----------------+---------------------+---------+
20 rows in set (0.000 sec)
```