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TUGAS MODUL 5

1. Tabel nasabah

```
C:\Windows\System32\cmd.exe - mysql -u aezo27 -p
K:\xampp\mysql\bin>mysql -u aezo27 -p
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 675
Server version: 10.1.36-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;
Database changed
MariaDB [perbankan]> INSERT INTO `nasabah` (`id_nasabah`, `nama_nasabah`, `alamat_nasabah`) VALUES
-> (1, 'Sutopo', 'Jl. Jendral Sudirman 12'),
-> (2, 'Maryati', 'Jl. MT. Haryono 31'),
-> (3, 'Suparman', 'Jl. Hasanudin 81'),
-> (4, 'Kartika Padmasari', 'Jl. Manggis 15'),
-> (5, 'Budi Eko Prasetyo', '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 Lokanata', 'Jl. Tidar 86'),
-> (10, 'Budi Murtonono', 'Jl. Merak 22');
Query OK, 10 rows affected (0.23 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prasetyo | 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 Lokanata | Jl. Tidar 86 |
| 10 | Budi Murtonono | Jl. Merak 22 |
+----+-----+-----+
10 rows in set (0.00 sec)

MariaDB [perbankan]>
```

2. Tabel cabang_bank

```
C:\Windows\System32\cmd.exe - mysql -u aezo27 -p
MariaDB [perbankan]> INSERT INTO `cabang_bank` (`kode_cabang`, `nama_cabang`, `alamat_cabang`) VALUES
-> ("BRUS", 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18'),
-> ("BRUM", 'Bank Rut Unit Magelang', 'Jl. P. Tandean 63'),
-> ("BRUB", 'Bank Rut Unit Boyolali', 'Jl. Ahmad Yani 45'),
-> ("BRUK", 'Bank Rut Unit Klaten', 'Jl. Suparman 23'),
-> ("BRUY", 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21'),
-> ("BRUN", 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12');
Query OK, 6 rows affected (0.31 sec)
Records: 6 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+----+-----+-----+
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUM | Bank Rut Unit Magelang | Jl. P. Tandean 63 |
| BRUN | Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+----+-----+-----+
6 rows in set (0.00 sec)

MariaDB [perbankan]>
```

3. Tabel rekening

```
C:\Windows\System32\cmd.exe - mysql -u aezoz27 -p
MariaDB [perbankan]> INSERT INTO `rekening` (`no_rekening`, `kode_cabangFK`, `pin`, `saldo`) VALUES
-> (101,"BRUS","1111",500000),
-> (102,"BRUS","2222",350000),
-> (103,"BRUS","3333",750000),
-> (104,"BRUM","4444",900000),
-> (105,"BRUM","5555",2000000),
-> (106,"BRUS","6666",3000000),
-> (107,"BRUS","7777",1000000),
-> (108,"BRUB","0000",5000000),
-> (109,"BRUB","9999",0),
-> (110,"BRUY","1234",550000),
-> (111,"BRUK","4321",150000),
-> (112,"BRUK","0123",350000),
-> (113,"BRUY","8888",255000);
Query OK, 13 rows affected (0.07 sec)
Records: 13 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from rekening;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUS | 7777 | 1000000 |
| 108 | BRUB | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 350000 |
| 113 | BRUY | 8888 | 255000 |
+-----+-----+-----+-----+
13 rows in set (0.00 sec)

MariaDB [perbankan]>
```

4. Tabel nasabah_has_rekening

```
C:\Windows\System32\cmd.exe - mysql -u aezoz27 -p
MariaDB [perbankan]> INSERT INTO `nasabah_has_rekening` (`id_nasabahFK`, `no_rekeningFK`) VALUES
-> (1, 104),
-> (2, 103),
-> (3, 105),
-> (3, 106),
-> (4, 101),
-> (4, 107),
-> (5, 102),
-> (5, 107),
-> (6, 109),
-> (7, 109),
-> (8, 111),
-> (9, 110),
-> (10, 113),
-> (8, 112),
-> (10, 108);
Query OK, 15 rows affected (0.08 sec)
Records: 15 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 104 |
| 2 | 103 |
| 3 | 105 |
| 3 | 106 |
| 4 | 101 |
| 4 | 107 |
| 5 | 102 |
| 5 | 107 |
| 6 | 109 |
| 7 | 109 |
| 8 | 111 |
| 8 | 112 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
+-----+-----+
15 rows in set (0.00 sec)

MariaDB [perbankan]>
```

5. Tabel transaksi

```
C:\Windows\System32\cmd.exe - mysql -u aezo27 -p
MariaDB [perbankan]> INSERT INTO `transaksi` (`no_transaksi`, `no_rekeningFK`, `id_nasabahFK`, `jenis_transaksi`, `tanggal`, `jumlah`) VALUES
-> (1, 105, 3, "debit", "2009-11-10", 50000),
-> (2, 103, 2, "debit", "2009-11-10", 40000),
-> (3, 101, 4, "kredit", "2009-11-12", 20000),
-> (4, 106, 3, "debit", "2009-11-13", 50000),
-> (5, 107, 5, "kredit", "2009-11-13", 30000),
-> (6, 104, 1, "kredit", "2009-11-15", 200000),
-> (7, 110, 9, "kredit", "2009-11-15", 150000),
-> (8, 102, 5, "debit", "2009-11-16", 20000),
-> (9, 105, 3, "kredit", "2009-11-18", 50000),
-> (10, 107, 4, "debit", "2009-11-19", 100000),
-> (11, 103, 2, "debit", "2009-11-19", 100000),
-> (12, 104, 1, "debit", "2009-11-19", 50000),
-> (13, 107, 4, "kredit", "2009-11-20", 200000),
-> (14, 105, 3, "debit", "2009-11-21", 40000),
-> (15, 104, 1, "kredit", "2009-11-22", 100000),
-> (16, 101, 4, "kredit", "2009-11-22", 20000),
-> (17, 103, 2, "debit", "2009-11-22", 50000),
-> (18, 102, 5, "debit", "2009-11-25", 50000),
-> (19, 108, 10, "debit", "2009-11-26", 100000),
-> (20, 106, 3, "kredit", "2009-11-27", 50000),
-> (21, 103, 2, "kredit", "2009-11-28", 200000),
-> (22, 105, 3, "kredit", "2009-11-28", 100000),
-> (23, 102, 5, "debit", "2009-11-30", 20000),
-> (24, 104, 1, "debit", "2009-12-1", 50000),
-> (25, 103, 2, "debit", "2009-12-2", 40000),
-> (26, 101, 4, "debit", "2009-12-4", 50000),
-> (27, 102, 2, "kredit", "2009-12-5", 100000),
-> (28, 103, 5, "kredit", "2009-12-5", 200000),
-> (29, 109, 7, "debit", "2009-12-5", 100000),
-> (30, 110, 9, "debit", "2009-12-6", 20000);
Query OK, 30 rows affected (0.10 sec)
Records: 30 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal                | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1           | 3           | 105           | debit           | 2009-11-10 00:00:00    | 50000  |
| 2           | 2           | 103           | debit           | 2009-11-10 00:00:00    | 40000  |
| 3           | 4           | 101           | kredit          | 2009-11-12 00:00:00    | 20000  |
| 4           | 3           | 106           | debit           | 2009-11-13 00:00:00    | 50000  |
| 5           | 5           | 107           | kredit          | 2009-11-13 00:00:00    | 30000  |
| 6           | 1           | 104           | kredit          | 2009-11-15 00:00:00    | 200000 |
| 7           | 9           | 110           | kredit          | 2009-11-15 00:00:00    | 150000 |
| 8           | 5           | 102           | debit           | 2009-11-16 00:00:00    | 20000  |
| 9           | 3           | 105           | kredit          | 2009-11-18 00:00:00    | 50000  |
| 10          | 4           | 107           | debit           | 2009-11-19 00:00:00    | 100000 |
| 11          | 2           | 103           | debit           | 2009-11-19 00:00:00    | 100000 |
| 12          | 1           | 104           | debit           | 2009-11-19 00:00:00    | 50000  |
| 13          | 4           | 107           | kredit          | 2009-11-20 00:00:00    | 200000 |
| 14          | 3           | 105           | debit           | 2009-11-21 00:00:00    | 40000  |
| 15          | 1           | 104           | kredit          | 2009-11-22 00:00:00    | 100000 |
| 16          | 4           | 101           | kredit          | 2009-11-22 00:00:00    | 20000  |
| 17          | 2           | 103           | debit           | 2009-11-22 00:00:00    | 50000  |
| 18          | 5           | 102           | debit           | 2009-11-25 00:00:00    | 50000  |
| 19          | 10          | 108           | debit           | 2009-11-26 00:00:00    | 100000 |
| 20          | 3           | 106           | kredit          | 2009-11-27 00:00:00    | 50000  |
| 21          | 2           | 103           | kredit          | 2009-11-28 00:00:00    | 200000 |
| 22          | 3           | 105           | kredit          | 2009-11-28 00:00:00    | 100000 |
| 23          | 5           | 102           | debit           | 2009-11-30 00:00:00    | 20000  |
| 24          | 1           | 104           | debit           | 2009-12-01 00:00:00    | 50000  |
| 25          | 2           | 103           | debit           | 2009-12-02 00:00:00    | 40000  |
| 26          | 4           | 101           | debit           | 2009-12-04 00:00:00    | 50000  |
| 27          | 2           | 102           | kredit          | 2009-12-05 00:00:00    | 100000 |
| 28          | 5           | 103           | kredit          | 2009-12-05 00:00:00    | 200000 |
| 29          | 7           | 109           | debit           | 2009-12-05 00:00:00    | 100000 |
| 30          | 9           | 110           | debit           | 2009-12-06 00:00:00    | 20000  |
+-----+-----+-----+-----+-----+-----+
30 rows in set (0.00 sec)

MariaDB [perbankan]>
```

6. Update data

```
C:\Windows\System32\cmd.exe - mysql -u aezo27 -p

MariaDB [perbankan]> UPDATE `nasabah` SET `alamat_nasabah` = 'Jl. Slamet Riyadi 34' WHERE `nasabah`.`id_nasabah` = 7;
Query OK, 1 row affected (0.07 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select * from nasabah where `nasabah`.`id_nasabah` = 7;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 7 | Indri Hapsari | Jl. Slamet Riyadi 34 |
+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [perbankan]> UPDATE `cabang_bank` SET `alamat_cabang` = 'Jl. A. Yani 23' WHERE `cabang_bank`.`kode_cabang` = "BRUM";
Query OK, 1 row affected (0.06 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank where `cabang_bank`.`kode_cabang` = "BRUM";
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUM | Bank Rut Unit Monogiri | Jl. A. Yani 23 |
+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [perbankan]>
```

7. Delete Data

```
C:\Windows\System32\cmd.exe - mysql -u aezo27 -p

MariaDB [perbankan]> DELETE FROM `nasabah` WHERE `nasabah`.`id_nasabah` = 7;
Query OK, 1 row affected (0.07 sec)

MariaDB [perbankan]> SELECT * FROM `nasabah`;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Superman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prasetyo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokanata | Jl. Tidar 86 |
| 10 | Budi Murtonono | Jl. Merak 22 |
+-----+-----+-----+
9 rows in set (0.00 sec)

MariaDB [perbankan]> DELETE FROM `cabang_bank` WHERE `cabang_bank`.`nama_cabang` = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.11 sec)

MariaDB [perbankan]> SELECT * FROM `cabang_bank`;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| BRUK | Bank Rut Unit Klaten | Jl. Superman 23 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUM | Bank Rut Unit Monogiri | Jl. A. Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [perbankan]>
```