

DATABASE SYSTEM PRACTICUM PRACTICUM 5



Created by :

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Activity

1. Login into mysql as root and enter into perbankan's database

```
C:\xampp\mysql\bin>mysql -u root
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;
Database changed
```

2. Inserting data inside nasabah's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) value
s
-> (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 Prayogo", "Jl. Kantil 30"),
-> (6, "Satria Eka Jaya", "Jl. Slamet Riyadi 45"),
-> (7, "Indi Hapsari", "Jl. Sutoyo 5"),
-> (8, "Sari Murti", "Jl. Pangandaran 11"),
-> (9, "Canka Lokananta", "Jl. Tidar 86"),
-> (10, "Budi Murtono", "Jl. Merak 22");
Query OK, 10 rows affected (1.373 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

3. Inserting data inside cabang_bank's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) va
lues
-> ("BRUS", "Bank Rut Unit Surakarta", "Jl. Slamet Riyadi 18"),
-> ("BRUM", "Bank Rut Unit Magelang", "Jl. P. Tendean 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"),
-> ("BRUW", "Bank Rut Unit Wonogiri", "Jl. Untung Suropati 12");
Query OK, 6 rows affected (0.179 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

4. Inserting data inside rekening's table

```
Command Prompt - mysql -u root
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", 300000),
-> (113, "BRUY", "8888", 255000);
Query OK, 13 rows affected (0.125 sec)
Records: 13 Duplicates: 0 Warnings: 0
```

5. Inserting data inside nasabah_has_rekening's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) value
s
-> (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 (0.117 sec)
Records: 15 Duplicates: 0 Warnings: 0
```

6. Inserting data inside transaksi's table

```
Command Prompt - mysql -u root
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", "2009-11-1", 50000),
-> (25, 103, 2, "debit", "2009-11-2", 40000),
-> (26, 101, 4, "debit", "2009-11-4", 50000),
-> (27, 103, 2, "kredit", "2009-11-5", 100000),
-> (28, 102, 5, "kredit", "2009-11-5", 200000),
-> (29, 109, 7, "debit", "2009-11-5", 100000),
-> (30, 110, 9, "debit", "2009-11-6", 20000);
Query OK, 30 rows affected (0.071 sec)
Records: 30 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> update nasabah
-> set alamat_nasabah = "Jalan Slamet Riyadi No.34"
-> where nama_nasabah = "Indri Hapsari"
-> ;
Query OK, 0 rows affected (0.116 sec)
Rows matched: 0 Changed: 0 Warnings: 0
```

7. Update data

a. Update data nasabah

```
Command Prompt - mysql -u root
MariaDB [perbankan]> update nasabah
-> set alamat_nasabah = "Jalan Slamet Riyadi No.34"
-> where nama_nasabah = "Indri Hapsari"
-> ;
Query OK, 1 row affected (0.097 sec)
Rows matched: 1 Changed: 1 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 Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Java | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jalan Slamet Riyadi No.34 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+
10 rows in set (0.000 sec)
```

b. Update data cabang_bank

```
Command Prompt - mysql -u root
MariaDB [perbankan]> update cabang_bank
-> set alamat_cabang = "Jalan A. Yani No. 23"
-> where kode_cabang = "BRUW";
Query OK, 1 row affected (1.688 sec)
Rows matched: 1  Changed: 1  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. Tendean 63      |
| BRUS        | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18   |
| BRUW        | Bank Rut Unit Wonogiri | Jalan A. Yani No. 23   |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21         |
+-----+-----+-----+
6 rows in set (0.001 sec)
```

8. Delete data

a. Delete data from nasabah's table

```
Command Prompt - mysql -u root
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 Prayogo      | Jl. Kantil 30           |
| 6          | Satria Eka Jaya       | Jl. Slamet Riyadi 45     |
| 7          | Indri Hapsari         | Jalan Slamet Riyadi No.34 |
| 8          | Sari Murti            | Jl. Pangandaran 11      |
| 9          | Canka Lokananta       | Jl. Tidar 86            |
| 10         | Budi Murtono          | Jl. Merak 22            |
+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [perbankan]> delete from nasabah
-> where id_nasabah = 7;
Query OK, 1 row affected (0.107 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          | Suparman              | Jl. Hasanudin 81        |
| 4          | Kartika Padmasari     | Jl. Manggis 15          |
| 5          | Budi Eko Prayogo      | Jl. Kantil 30           |
| 6          | Satria Eka Jaya       | Jl. Slamet Riyadi 45     |
| 8          | Sari Murti            | Jl. Pangandaran 11      |
| 9          | Canka Lokananta       | Jl. Tidar 86            |
| 10         | Budi Murtono          | Jl. Merak 22            |
+-----+-----+-----+
9 rows in set (0.000 sec)
```

b. Delete data from cabang_bank's table

```
Command Prompt - mysql -u root
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. Tendean 63     |
| BRUS        | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18  |
| BRUW        | Bank Rut Unit Wonogiri | Jalan A. Yani No. 23  |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21        |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [perbankan]> delete from cabang_bank
-> where nama_cabang = "Bank Rut Unit Magelang";
Query OK, 1 row affected (0.136 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. Suparman 23       |
| BRUS        | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18  |
| BRUW        | Bank Rut Unit Wonogiri | Jalan A. Yani No. 23  |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21        |
+-----+-----+-----+
5 rows in set (0.001 sec)
```

Assignment

1. Insert 10 data inside nasabah's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
-> (11, "Ainayah", "Jl. Slamet Riyadi 18"),
-> (12, "Syifa", "Jl. P. Tendean 63"),
-> (13, "Hendri", "Jl. Ahmad Yani 45"),
-> (14, "Ika", "Jl. Suparman 23"),
-> (15, "Eko", "Jl. Anggrek 21"),
-> (16, "Wafiq", "Jl. Untung Suropati 12"),
-> (17, "Esih", "Jl. Jendral Sudirman 85"),
-> (18, "Endang", "Jl. Soekarno 98"),
-> (19, "Ema", "Jl. Soeharto 75"),
-> (20, "Nori", "Jl. Habiebie 54");
Query OK, 10 rows affected (0.353 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

2. Insert 10 data inside cabang_bank's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values
-> ("BRUC", "Bank Rut Unit Ciamis", "Jl. Untung Suropati 12"),
-> ("BRUT", "Bank Rut Unit Tasikmalaya", "Jl. Jendral Sudirman 85"),
-> ("BRUG", "Bank Rut Unit Garut", "Jl. Soekarno 98"),
-> ("BRUJ", "Bank Rut Unit Jakarta", "Jl. Soeharto 75"),
-> ("BRUP", "Bank Rut Unit Palembang", "Jl. Habiebie 54"),
-> ("BRUD", "Bank Rut Unit Depok", "Jl. Anggrek 70"),
-> ("BRUL", "Bank Rut Unit Lamongan", "Jl. Susilo 87"),
-> ("BRUN", "Bank Rut Unit Ngawi", "Jl. Yudhoyono 19"),
-> ("BRUR", "Bank Rut Unit Rembang", "Jl. Mawar 65"),
-> ("BRUA", "Bank Rut Unit Ambon", "Jl. Raflesia 76");
Query OK, 10 rows affected (0.102 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

3. Insert 10 data inside rekening's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
-> (114, "BRUC", "2345", 550000),
-> (115, "BRUC", "5432", 900000),
-> (116, "BRUC", "3456", 700000),
-> (117, "BRUT", "6543", 800000),
-> (118, "BRUT", "4567", 6000000),
-> (119, "BRUG", "7654", 9000000),
-> (120, "BRUG", "5678", 7000000),
-> (121, "BRUJ", "8765", 9000000),
-> (122, "BRUP", "6789", 3800000),
-> (123, "BRUD", "9876", 950000);
Query OK, 10 rows affected (0.103 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

4. Insert 10 data inside nasabah_has_rekening's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
-> (11, 115),
-> (12, 114),
-> (14, 117),
-> (15, 119),
-> (16, 118),
-> (17, 120),
-> (18, 121),
-> (20, 122),
-> (19, 123);
Query OK, 9 rows affected (0.120 sec)
Records: 9 Duplicates: 0 Warnings: 0
```

5. Insert 20 data inside transaksi's table

```
Command Prompt - mysql -u root
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi,
tanggal, jumlah) values
-> (31, 115, 13, "debit", "2009-11-20", 50000),
-> (32, 114, 12, "debit", "2009-11-20", 40000),
-> (33, 116, 14, "kredit", "2009-11-22", 20000),
-> (34, 116, 13, "debit", "2009-11-23", 50000),
-> (35, 117, 15, "kredit", "2009-11-23", 30000),
-> (36, 114, 11, "kredit", "2009-11-25", 200000),
-> (37, 120, 19, "kredit", "2009-11-25", 150000),
-> (38, 122, 15, "debit", "2009-11-26", 20000),
-> (39, 115, 13, "kredit", "2009-11-28", 50000),
-> (40, 117, 14, "debit", "2009-11-29", 100000),
-> (41, 123, 12, "debit", "2009-11-29", 100000),
-> (42, 114, 11, "debit", "2009-11-29", 70000),
-> (43, 117, 14, "kredit", "2009-11-20", 500000),
-> (44, 115, 13, "debit", "2009-11-21", 40000),
-> (45, 114, 11, "kredit", "2009-11-22", 200000),
-> (46, 120, 14, "kredit", "2009-11-22", 30000),
-> (47, 123, 12, "debit", "2009-11-22", 60000),
-> (48, 122, 15, "debit", "2009-11-25", 60000),
-> (49, 118, 20, "debit", "2009-11-26", 200000),
-> (50, 116, 13, "kredit", "2009-11-27", 30000);
Query OK, 20 rows affected (0.143 sec)
Records: 20 Duplicates: 0 Warnings: 0
```