Nama   : resky budi nugroho

NIM   : l200180018

Kelas   : A

Modul 5

1. Menggunakan perbankan


```
D:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 5
Server version: 10.1.38-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. Memasukan data

```
MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
    -> values
    -> (2, 'Maryati', 'jl. MT. haryono 31'),
    -> (3, 'suparman', 'jl.hasanudin 81'),
    -> (4, ' kartika', 'jl manggis 15'),
    -> (5, 'budi', 'jl kantil 30');
Query OK, 4 rows affected (0.10 sec)
Records: 4  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
    -> values
    -> (6, 'satria', 'jl slamet riyadi 45'),
    -> (7, 'indri', 'jl sutoyo 5'),
    -> (8, 'sari', 'jl pangandaran 11'),
    -> (9, 'canka' , 'jl tidar 86'),
    -> (10, 'budi', 'jl merak 22');
Query OK, 5 rows affected (0.07 sec)
Records: 5  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     | jl manggis 15          |
|          5 | budi         | jl kantil 30           |
|          6 | satria       | jl slamet riyadi 45    |
|          7 | indri        | jl sutoyo 5            |
|          8 | sari         | jl pangandaran 11      |
|          9 | canka        | jl tidar 86            |
|         10 | budi         | jl merak 22            |
+------------+--------------+------------------------+
10 rows in set (0.00 sec)

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 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 (0.08 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 tendean 63       |
| brus        | bank rut unit surakarta  | jl slamet riyadi 18   |
| bruw        | bank rut unit wonogiri   | jl untung suropati 12 |
| bruy        | bank rut unit yogyakarta | jl anggrek 21         |
+-------------+--------------------------+-----------------------+
6 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> insert into rekening1(no_rekening, kode_cabangFK, pin, saldo) values
    -> (101, 'brus',111,50000),
    -> (102, 'brus',2222,35000),
    -> (103, 'brus',3333,75000),
    -> (104, 'brum', 4444, 90000),
    -> (105, 'brum',5555,2000000),
    -> (106, 'brus',6666,3000000),
    -> (107, 'brus',7777,1000000),
    -> (108, 'brub',0000,5000000),
    -> (109, 'brub',9999,000000),
    ->
    -> (110, 'bruy',1234,550000),
    -> (111, 'bruk',4321,150000),
    -> (112, 'bruk',0321,300000),
    -> (113, 'bruy',8888,255000);
Query OK, 13 rows affected (0.08 sec)
Records: 13  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from rekening1;
+-------------+---------------+------+---------+
| no_rekening | kode_cabangFK | pin  | saldo   |
+-------------+---------------+------+---------+
|         101 | brus          | 111  |   50000 |
|         102 | brus          | 2222 |   35000 |
|         103 | brus          | 3333 |   75000 |
|         104 | brum          | 4444 |   90000 |
|         105 | brum          | 5555 | 2000000 |
|         106 | brus          | 6666 | 3000000 |
|         107 | brus          | 7777 | 1000000 |
|         108 | brub          | 0    | 5000000 |
|         109 | brub          | 9999 |       0 |
|         110 | bruy          | 1234 |  550000 |
|         111 | bruk          | 4321 |  150000 |
|         112 | bruk          | 321  |  300000 |
|         113 | bruy          | 8888 |  255000 |
+-------------+---------------+------+---------+
13 rows in set (0.00 sec)
```

```
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 (0.10 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 |
+--------------+---------------+
```

```
    -> (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',2009-11-28,100000),
    -> (22,105,3,'kredit',2009-11-28,200000),
    -> (23,102,5,'debit',2009-11-30,20000),
    -> (24,104,1,'debit',2009-12-01,50000),
    -> (25,103,2,'debit',2009-12-02,40000),
    -> (26,101,4,'debit',2009-12-04,50000),
    -> (27,103,2,'kredit',2009-12-05,200000),
    -> (28,102,5,'kredit',2009-12-05,100000),
    -> (29,109,7,'debit',2009-12-05,100000),
    -> (30,110,9,'debit',2009-12-06,20000);
ERROR 2006 (HY000): MySQL server has gone away
No connection. Trying to reconnect...
Connection id:    75
Current database: perbankan

Query OK, 30 rows affected, 30 warnings (0.15 sec)
Records: 30  Duplicates: 0  Warnings: 30

MariaDB [perbankan]> select * from transaksi
    -> ;
+--------------+--------------+---------------+----------------+---------------------+--------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal             | jumlah |
+--------------+--------------+---------------+----------------+---------------------+--------+
|            1 |            3 |           105 | debit          | 0000-00-00 00:00:00 |  50000 |
|            2 |            2 |           103 | debit          | 0000-00-00 00:00:00 |  40000 |
|            3 |            4 |           101 | kredit         | 0000-00-00 00:00:00 |  20000 |
|            4 |            3 |           106 | debit          | 0000-00-00 00:00:00 |  50000 |
|            5 |            5 |           107 | kredit         | 0000-00-00 00:00:00 |  30000 |
|            6 |            1 |           104 | kredit         | 0000-00-00 00:00:00 | 200000 |
|            7 |            9 |           110 | kredit         | 0000-00-00 00:00:00 | 150000 |
|            8 |            5 |           102 | debit          | 0000-00-00 00:00:00 |  20000 |
|            9 |            3 |           105 | kredit         | 0000-00-00 00:00:00 |  10000 |
|           10 |            4 |           107 | debit          | 0000-00-00 00:00:00 |  20000 |
|           11 |            2 |           103 | debit          | 0000-00-00 00:00:00 |  20000 |
|           12 |            1 |           104 | debit          | 0000-00-00 00:00:00 |  50000 |
|           13 |            7 |           104 | kredit         | 0000-00-00 00:00:00 | 200000 |
|           14 |            3 |           105 | debit          | 0000-00-00 00:00:00 |  40000 |
|           15 |            1 |           104 | kredit         | 0000-00-00 00:00:00 | 100000 |
|           16 |            4 |           101 | kredit         | 0000-00-00 00:00:00 |  20000 |
|           17 |            2 |           103 | debit          | 0000-00-00 00:00:00 |  50000 |
|           18 |            5 |           102 | debit          | 0000-00-00 00:00:00 |  50000 |
|           19 |           10 |           108 | debit          | 0000-00-00 00:00:00 | 100000 |
|           20 |            3 |           106 | kredit         | 0000-00-00 00:00:00 |  50000 |
|           21 |            2 |           103 | kredit         | 0000-00-00 00:00:00 | 100000 |
|           22 |            3 |           105 | kredit         | 0000-00-00 00:00:00 | 200000 |
|           23 |            5 |           102 | debit          | 0000-00-00 00:00:00 |  20000 |
|           24 |            1 |           104 | debit          | 0000-00-00 00:00:00 |  50000 |
|           25 |            2 |           103 | debit          | 0000-00-00 00:00:00 |  40000 |
|           26 |            4 |           101 | debit          | 0000-00-00 00:00:00 |  50000 |
|           27 |            2 |           103 | kredit         | 0000-00-00 00:00:00 | 200000 |
|           28 |            5 |           102 | kredit         | 0000-00-00 00:00:00 | 100000 |
|           29 |            7 |           109 | debit          | 0000-00-00 00:00:00 | 100000 |
|           30 |            9 |           110 | debit          | 0000-00-00 00:00:00 |  20000 |
+--------------+--------------+---------------+----------------+---------------------+--------+
```

3. Melakukan UPDATE dan DELETE

```
MariaDB [perbankan]> update nasabah
    -> set alamat_nasabah = 'jl slamet riyadi 34'
    -> where nama_nasabah = 'indri';
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> update cabang_bank
    -> set alamat_cabang = 'jl a yani 23'
    -> where kode_cabang = 'bruw';
Query OK, 1 row affected (0.07 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> delete from nasabah
    -> where id_nasabah = 7;
Query OK, 1 row affected (0.05 sec)

MariaDB [perbankan]> delete from cabang_bank
    -> where nama_cabang = 'bank rut unit magelang';
Query OK, 1 row affected (0.10 sec)
```