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Kelas : A

MODUL 5

LATIHAN

Database perbankan

Tabel nasabah

Tabel cabang bank

```
MariaDB [perbankanvirlianaar]> INSERT INTO cabang_bank 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 (0.174 sec)
Records: 6  Duplicates: 0  Warnings: 0

MariaDB [perbankanvirlianaar]> 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 (0.002 sec)
```

Tabel rekening

```
MariaDB [perbankanvirlianaar]> INSERT INTO rekening 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",8888 ,5000000),
    -> (109, "brub",9999 ,0),
    -> (110, "bruy",1234 ,550000),
    -> (111, "bruk",4321 ,150000),
    -> (112, "bruk",0123 ,300000),
    -> (113, "bruy",88888, 255000);
Query OK, 13 rows affected (0.068 sec)
Records: 13  Duplicates: 0  Warnings: 0

MariaDB [perbankanvirlianaar]> 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         | 8888  | 5000000 |
|        109 | brub         | 9999  |       0 |
|        110 | bruy         | 1234  | 550000  |
|        111 | bruk         | 4321  | 150000  |
|        112 | bruk         | 123   | 300000  |
|        113 | bruy         | 88888 | 255000  |
+------------+--------------+-------+---------+
13 rows in set (0.001 sec)
```

Tabel nasabah has rekening

```
MariaDB [perbankanvirlianaar]> INSERT INTO nasabah_has_rekening VALUES
    -> (1,104),
    -> (2,103),
    -> (3,105),
    -> (4,106),
    -> (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 (0.118 sec)
Records: 15  Duplicates: 0  Warnings: 0

MariaDB [perbankanvirlianaar]> select *from nasabah_has_rekening;
+-------------+--------------+
| id_nasabahFK | no_rekeningFK |
+-------------+--------------+
|           1 |          104 |
|           2 |          103 |
|           3 |          105 |
|           4 |          101 |
|           4 |          106 |
|           4 |          107 |
|           5 |          102 |
|           5 |          107 |
|           6 |          109 |
|           7 |          109 |
|           8 |          111 |
|           8 |          112 |
|           9 |          110 |
|          10 |          108 |
|          10 |          113 |
+-------------+--------------+
15 rows in set (0.001 sec)
```

Tabel transaksi

```
MariaDB [perbankanvirlianaar]> INSERT INTO transaksi 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",2009-11-13,500000),
    -> (5,107,5,"kredit",2009-11-13,30000),
    -> (6,104,1,"kredit",2009-11-15,20000),
    -> (7,104,1,"kredit",2009-11-15,20000),
    -> (8,104,8,"kredit",2009-11-15,20000),
    -> (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",2009-11-19,20000),(13,107,4,"kredit",2009-11-20,20000),
    -> (14,105,3,"debit",2009-11-21,40000),
    -> (15,104,1,"kredit",2009-11-22,1000000),
    -> (16,101,4,"kredit",2009-11-22,200000),
    -> (17,103,2,"debit",2009-11-22,500000),
    -> (18,102,5,"debit",2009-11-25,500000),
    -> (19,108,10,"debit",2009-11-26,1000000),
    -> (20,106,3,"kredit",2009-11-27,500000),
    -> (21,106,3,"kredit",2009-11-27,500000),
    -> (22,105,3,"kredit",2009-11-28,1000000),
    -> (23,102,5,"debit",2009-11-30,200000),
    -> (24,104,1,"debit",2009-12-1,500000),
    -> (25,103,2,"debit",2009-12-2,40000),
    -> (26,101,4,"debit",2009-12-4,50000),
    -> (27,103,2,"kredit",2009-12-5,1000000),
    -> (28,102,5,"kredit",2009-12-5,200000),
    -> (29,109,7,"debit",2009-12-5,1000000),
    -> (31,110,9,"debit",2009-12-6,20000);
Query OK, 30 rows affected, 30 warnings (0.052 sec)
Records: 30  Duplicates: 0  Warnings: 30

MariaDB [perbankanvirlianaar]> select *from transaksi;
+-------------+--------------+--------------+-----------------+---------------------+---------+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal             | jumlah  |
+-------------+--------------+--------------+-----------------+---------------------+---------+
|           1 |          105 |            3 | debit           | 0000-00-00 00:00:00 |   50000 |
|           2 |          103 |            2 | debit           | 0000-00-00 00:00:00 |   40000 |
|           3 |          101 |            4 | kredit          | 0000-00-00 00:00:00 |   20000 |
|           4 |          106 |            3 | debit           | 0000-00-00 00:00:00 |  500000 |
|           5 |          107 |            5 | kredit          | 0000-00-00 00:00:00 |   30000 |
|           6 |          104 |            1 | kredit          | 0000-00-00 00:00:00 |   20000 |
|           7 |          104 |            1 | kredit          | 0000-00-00 00:00:00 |   20000 |
|           8 |          104 |            8 | kredit          | 0000-00-00 00:00:00 |   20000 |
|           9 |          105 |            3 | kredit          | 0000-00-00 00:00:00 |   50000 |
|          10 |          107 |            4 | debit           | 0000-00-00 00:00:00 |  100000 |
|          11 |          103 |            2 | debit           | 0000-00-00 00:00:00 |  100000 |
|          12 |          104 |            1 | debit           | 0000-00-00 00:00:00 |   20000 |
|          13 |          107 |            4 | kredit          | 0000-00-00 00:00:00 |   20000 |
|          14 |          105 |            3 | debit           | 0000-00-00 00:00:00 |   40000 |
|          15 |          104 |            1 | kredit          | 0000-00-00 00:00:00 | 1000000 |
|          16 |          101 |            4 | kredit          | 0000-00-00 00:00:00 |  200000 |
|          17 |          103 |            2 | debit           | 0000-00-00 00:00:00 |  500000 |
|          18 |          102 |            5 | debit           | 0000-00-00 00:00:00 |  500000 |
|          19 |          108 |           10 | debit           | 0000-00-00 00:00:00 | 1000000 |
|          20 |          106 |            3 | kredit          | 0000-00-00 00:00:00 |  500000 |
|          21 |          106 |            3 | kredit          | 0000-00-00 00:00:00 |  500000 |
|          22 |          105 |            3 | kredit          | 0000-00-00 00:00:00 | 1000000 |
|          23 |          102 |            5 | debit           | 0000-00-00 00:00:00 |  200000 |
|          24 |          104 |            1 | debit           | 0000-00-00 00:00:00 |  500000 |
|          25 |          103 |            2 | debit           | 0000-00-00 00:00:00 |   40000 |
|          26 |          101 |            4 | debit           | 0000-00-00 00:00:00 |   50000 |
|          27 |          103 |            2 | kredit          | 0000-00-00 00:00:00 | 1000000 |
|          28 |          102 |            5 | kredit          | 0000-00-00 00:00:00 |  200000 |
|          29 |          109 |            7 | debit           | 0000-00-00 00:00:00 | 1000000 |
|          30 |          110 |            9 | debit           | 0000-00-00 00:00:00 |   20000 |
|          31 |          110 |            9 | debit           | 0000-00-00 00:00:00 |   20000 |
+-------------+--------------+--------------+-----------------+---------------------+---------+
31 rows in set (0.001 sec)
```

Update A dan B

```
Command Prompt - mysql  -u root -p                                                                        —   □   ×
MariaDB [perbankanvirlianaar]> update nasabah set alamat_nasabah = "jalan slamet riyadi" where nama_nasabah="indri hapsari";
Query OK, 1 row affected (0.149 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankanvirlianaar]> select *from nasabah;
+------------+------------------+------------------------+
| id_nasabah | nama_nasabah     | alamat_nasabah         |
+------------+------------------+------------------------+
|          1 | sutopo           | Jl. jendral sudirman 12 |
|          2 | maryati          | Jl. mt. haryono 31     |
|          3 | suparman         | Jl. manggis 15         |
|          4 | kartika padmasari | Jl. kantil 30          |
|          5 | budi eko prayogo | Jl.kantil 30           |
|          6 | satria eka jaya  | Jl. slamet riyadi 45   |
|          7 | indri hapsari    | jalan slamet riyadi    |
|          8 | sari murti       | Jl. pangadaran 11      |
|          9 | canka lokananta  | Jl. tidar 96           |
|         10 | budi martono     | Jl. merak 22           |
+------------+------------------+------------------------+
10 rows in set (0.000 sec)

MariaDB [perbankanvirlianaar]> update nasabah set alamat_cabang = "jalan a. ahmad yani no. 23" where kode_cabang ="bruw";
ERROR 1054 (42S22): Unknown column 'kode_cabang' in 'where clause'
MariaDB [perbankanvirlianaar]> update nasabah set alamat_cabang = "jalan a. ahmad yani no. 23" where kode_cabangFK ="bruw";
ERROR 1054 (42S22): Unknown column 'kode_cabangFK' in 'where clause'
MariaDB [perbankanvirlianaar]> update cabang_bank set alamat_cabang = "jalan a. ahmad yani no. 23" where kode_cabang ="bruw";
Query OK, 1 row affected (0.052 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankanvirlianaar]> 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. ahmad yani no. 23 |
| bruy        | bank rut unit yogyakarta  | jl. anggrek 21             |
+-------------+---------------------------+----------------------------+
6 rows in set (0.001 sec)
```

Delete A dan B

```
MariaDB [perbankanvirlianaar]> delete from nasabah where id_nasabah = 7;
Query OK, 1 row affected (0.073 sec)

MariaDB [perbankanvirlianaar]> select *from nasabah;
+------------+-------------------+-------------------------+
| id_nasabah | nama_nasabah      | alamat_nasabah          |
+------------+-------------------+-------------------------+
|          1 | sutopo            | Jl. jendral sudirman 12 |
|          2 | maryati           | Jl. mt. haryono 31      |
|          3 | suparman          | Jl. manggis 15          |
|          4 | kartika padmasari | Jl. kantil 30           |
|          5 | budi eko prayogo  | Jl.kantil 30            |
|          6 | satria eka jaya   | Jl. slamet riyadi 45    |
|          8 | sari murti        | Jl. pangadaran 11       |
|          9 | canka lokananta   | Jl. tidar 96            |
|         10 | budi martono      | Jl. merak 22            |
+------------+-------------------+-------------------------+
9 rows in set (0.000 sec)

MariaDB [perbankanvirlianaar]> delete from cabang_bank where nama_cabang ="bank rut unit magelang";
Query OK, 1 row affected (0.030 sec)

MariaDB [perbankanvirlianaar]> 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. ahmad yani no. 23 |
| bruy        | bank rut unit yogyakarta| jl. anggrek 21         |
+-------------+------------------------+-------------------------+
5 rows in set (0.000 sec)
```