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PRAKTIKUM SISTEM BASIS DATA

MODUL 5

DATA MANIPULASI LANGUAGE (DML)

TUGAS

1. Table Nasabah

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
-> (11, 'Annisa Nugraheni', 'Kartasura'),
-> (12, 'Arindita Prihasmata', 'Ngawi'),
-> (13, 'Anang Prasetyo', 'Solo'),
-> (14, 'Nur Taufik Hidayat', 'Nganjuk'),
-> (15, 'Wahyu Setyaji Rama Wijaya', 'Sragen'),
-> (16, 'Tomi Satmoko Aji', 'Temanggung'),
-> (17, 'Rahmat Beny Susanto', 'Karanganyar'),
-> (18, 'Akbar Probo Baskoro', 'Magetan'),
-> (19, 'Sindhiana Aulia Friksa', 'Klaten'),
-> (20, 'Defa raffy Z.R', 'Klaten');
Query OK, 10 rows affected (0.050 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]>
MariaDB [perbankan]> show tables nasabah;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'nasabah' at line 1
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 EkaJaya	Jl. Slamet Riyadi 45
7	Indni Hapsari	Jl. Sutoyo 5
8	Sari Murti	Jl. Pangandaran 11
9	Canka Lokananta	Jl. Tidar 86
10	Budi Murtomo	Jl. Merak 22
11	Annisa Nugraheni	Kartasura
12	Arindita Prihasmata	Ngawi
13	Anang Prasetyo	Solo
14	Nur Taufik Hidayat	Nganjuk
15	Wahyu Setyaji Rama Wijaya	Sragen
16	Tomi Satmoko Aji	Temanggung
17	Rahmat Beny Susanto	Karanganyar
18	Akbar Probo Baskoro	Magetan
19	Sindhiana Aulia Friksa	Klaten
20	Defa raffy Z.R	Klaten

2. Table cabang bank

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> insert into cabang_bank(kode_cabang, Nama_cabang, alamat_cabang) values
-> ('BRUJ', 'Bank Rut Unit Jakarta', 'DKI Jakarta'),
-> ('BRUBdg', 'Bank Rut Unit Bandung', 'Bandung, Jawa Barat'),
-> ('BRUC', 'Bank Rut Unit Cilacap', 'Cilacap, Jawa Tengah'),
-> ('BRUSmg', 'Bank Rut Unit Semarang', 'Semarang, Jawa Tengah'),
-> ('BRUKds', 'Bank Rut Unit Kudus', 'Kudus , Jawa Tengah'),
-> ('BRUKra', 'Bank Rut Unit Karanganyar', 'Karanganyar, Jawa Tengah'),
-> ('BRUN', 'Bank Rut Unit Ngawi', 'Ngawi, Jawa Timur'),
-> ('BRUMgt', 'Bank Rut Unit Magetan', 'Magetan, Jawa Timur'),
-> ('BRUSgn', 'Bank Rut Unit Sragen', 'Sragen, Jawa Tengah'),
-> ('BRUR', 'Bank Rut Unit Riau', 'Riau');
Query OK, 10 rows affected (0.056 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang          | alamat_cabang          |
+-----+-----+-----+
| BRUB        | Bank Rut Unit Boyolali | Jl. Ahmadyani 45       |
| BRUBdg      | Bank Rut Unit Bandung  | Bandung, Jawa Barat    |
| BRUC        | Bank Rut Unit Cilacap  | Cilacap, Jawa Tengah  |
| BRUJ        | Bank Rut Unit Jakarta  | DKI Jakarta            |
| BRUK        | Bank Rut Unit Klaten   | Jl. Superman 23        |
| BRUKds      | Bank Rut Unit Kudus    | Kudus , Jawa Tengah    |
| BRUKra      | Bank Rut Unit Karanganyar | Karanganyar, Jawa Tengah |
| BRUM        | Bank Rut Unit Malang   | Jl. P. Tendean 63      |
| BRUMgt      | Bank Rut Unit Magetan  | Magetan, Jawa Timur    |
| BRUN        | Bank Rut Unit Ngawi    | Ngawi, Jawa Timur      |
| BRUR        | Bank Rut Unit Riau     | Riau                   |
| BRUS        | Bank Rut Unit Surakarta | Jl.Slamet Riyadi 18     |
| BRUSgn      | Bank Rut Unit Sragen   | Sragen, Jawa Tengah    |
| BRUSmg      | Bank Rut Unit Semarang | Semarang, Jawa Tengah  |
| BRUW        | Bank Rut Unit Wonogiri  | Jl. Untung Suropati 12 |
| BRUY        | Bank Rut Unit Yogyakarta | Jl. Anggrek 21         |
+-----+-----+-----+
16 rows in set (0.000 sec)

MariaDB [perbankan]>
```

3. Table rekening

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values
-> (114, 'BRUN', 5858, 5000000),
-> (115, 'BRUS', 6363, 6000000),
-> (116, 'BRUSgn', 6565, 7000000),
-> (117, 'BRUK', 7474, 8000000),
-> (118, 'BRUMgt', 7878, 9000000),
-> (119, 'BRUKra', 7979, 10000000),
-> (120, 'BRUKds', 8080, 11000000),
-> (121, 'BRUK', 8484, 12000000),
-> (122, 'BRUSgn', 1010, 13000000),
-> (123, 'BRUR', 1011, 14000000);
Query OK, 10 rows affected (0.074 sec)
Records: 10 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          | 0    | 5000000 |
| 109         | BRUB          | 9999 | 0       |
| 110         | BRUY          | 1234 | 550000 |
| 111         | BRUK          | 4321 | 150000 |
| 112         | BRUK          | 123  | 300000 |
| 113         | BRUY          | 8888 | 255000 |
| 114         | BRUN          | 5858 | 5000000 |
| 115         | BRUS          | 6363 | 6000000 |
| 116         | BRUSgn        | 6565 | 7000000 |
| 117         | BRUK          | 7474 | 8000000 |
| 118         | BRUMgt        | 7878 | 9000000 |
| 119         | BRUKra        | 7979 | 10000000 |
| 120         | BRUKds        | 8080 | 11000000 |
| 121         | BRUK          | 8484 | 12000000 |
| 122         | BRUSgn        | 1010 | 13000000 |
| 123         | BRUR          | 1011 | 14000000 |
+-----+-----+-----+-----+
23 rows in set (0.000 sec)
```

4. Table nasabah_has_rekening

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) values
-> (58, 114),
-> (63, 115),
-> (65, 116),
-> (74, 117),
-> (78, 118),
-> (79, 119),
-> (80, 120),
-> (84, 121),
-> (88, 122),
-> (101, 123);
Query OK, 10 rows affected (0.163 sec)
Records: 10 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 |
| 58 | 114 |
| 63 | 115 |
| 65 | 116 |
| 74 | 117 |
| 78 | 118 |
| 79 | 119 |
| 80 | 120 |
| 84 | 121 |
| 88 | 122 |
| 101 | 123 |
+-----+-----+
```

5. Table transaksi

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
-> (31, 114, 58, 'kredit', '2019-10-2', 50000),
-> (32, 115, 63, 'debit', '2019-10-3', 100000),
-> (33, 116, 65, 'kredit', '2019-10-4', 30000),
-> (34, 117, 74, 'kredit', '2019-10-5', 200000),
-> (35, 118, 78, 'debit', '2019-10-5', 60000),
-> (36, 119, 79, 'debit', '2019-10-5', 450000),
-> (37, 120, 80, 'debit', '2019-10-6', 100000),
-> (38, 121, 84, 'kredit', '2019-10-7', 50000),
-> (39, 122, 88, 'kredit', '2019-10-8', 70000),
-> (40, 116, 65, 'kredit', '2019-10-8', 30000),
-> (41, 119, 79, 'debit', '2019-10-10', 500000),
-> (42, 115, 63, 'debit', '2019-10-11', 45000),
-> (43, 120, 80, 'debit', '2019-10-12', 200000),
-> (44, 117, 74, 'kredit', '2019-10-12', 150000),
-> (45, 121, 101, 'debit', '2019-10-13', 500000),
-> (46, 118, 78, 'kredit', '2019-10-13', 245000),
-> (47, 122, 88, 'kredit', '2019-10-14', 350000),
-> (48, 123, 101, 'debit', '2019-10-17', 100000),
-> (49, 121, 84, 'kredit', '2019-10-17', 80000),
-> (50, 119, 79, 'kredit', '2019-10-20', 400000);

Query OK, 20 rows affected (0.064 sec)
Records: 20 Duplicates: 0 Warnings: 0

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 | 50000 |
| 10 | 4 | 107 | debit | 0000-00-00 00:00:00 | 100000 |
| 11 | 2 | 103 | debit | 0000-00-00 00:00:00 | 100000 |
| 12 | 1 | 104 | debit | 0000-00-00 00:00:00 | 50000 |
| 13 | 4 | 107 | 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 | 2 | 103 | debit | 0000-00-00 00:00:00 | 100000 |
| 17 | 1 | 104 | debit | 0000-00-00 00:00:00 | 50000 |
| 18 | 4 | 107 | kredit | 0000-00-00 00:00:00 | 200000 |
| 19 | 5 | 102 | debit | 0000-00-00 00:00:00 | 50000 |
| 20 | 3 | 108 | debit | 0000-00-00 00:00:00 | 100000 |
| 21 | 3 | 106 | kredit | 0000-00-00 00:00:00 | 50000 |
| 22 | 2 | 103 | kredit | 0000-00-00 00:00:00 | 200000 |
| 23 | 3 | 105 | kredit | 0000-00-00 00:00:00 | 100000 |
| 24 | 5 | 102 | debit | 0000-00-00 00:00:00 | 20000 |
| 25 | 1 | 104 | debit | 0000-00-00 00:00:00 | 50000 |
| 26 | 2 | 103 | debit | 0000-00-00 00:00:00 | 40000 |
| 27 | 4 | 101 | debit | 0000-00-00 00:00:00 | 50000 |
| 28 | 2 | 103 | kredit | 0000-00-00 00:00:00 | 100000 |
| 29 | 5 | 102 | kredit | 0000-00-00 00:00:00 | 200000 |
| 30 | 7 | 109 | debit | 0000-00-00 00:00:00 | 100000 |
| 31 | 9 | 110 | debit | 0000-00-00 00:00:00 | 20000 |
| 32 | 58 | 114 | kredit | 2019-10-02 00:00:00 | 50000 |
| 33 | 63 | 115 | debit | 2019-10-03 00:00:00 | 100000 |
| 34 | 65 | 116 | kredit | 2019-10-04 00:00:00 | 30000 |
| 35 | 74 | 117 | kredit | 2019-10-05 00:00:00 | 200000 |
| 36 | 78 | 118 | debit | 2019-10-05 00:00:00 | 60000 |
| 37 | 79 | 119 | debit | 2019-10-05 00:00:00 | 450000 |
| 38 | 80 | 120 | debit | 2019-10-06 00:00:00 | 100000 |
| 39 | 84 | 121 | kredit | 2019-10-07 00:00:00 | 50000 |
| 40 | 88 | 122 | kredit | 2019-10-08 00:00:00 | 70000 |
| 41 | 65 | 116 | kredit | 2019-10-08 00:00:00 | 30000 |
| 42 | 79 | 119 | debit | 2019-10-10 00:00:00 | 500000 |
| 43 | 63 | 115 | debit | 2019-10-11 00:00:00 | 45000 |
| 44 | 80 | 120 | debit | 2019-10-12 00:00:00 | 200000 |
| 45 | 74 | 117 | kredit | 2019-10-12 00:00:00 | 150000 |
| 46 | 101 | 123 | debit | 2019-10-13 00:00:00 | 500000 |
| 47 | 78 | 118 | kredit | 2019-10-13 00:00:00 | 245000 |
| 48 | 88 | 122 | kredit | 2019-10-14 00:00:00 | 350000 |
| 49 | 101 | 123 | debit | 2019-10-17 00:00:00 | 100000 |
| 50 | 84 | 121 | kredit | 2019-10-17 00:00:00 | 80000 |
| 51 | 79 | 119 | kredit | 2019-10-20 00:00:00 | 400000 |
+-----+-----+-----+-----+-----+-----+

50 rows in set (0.001 sec)

MariaDB [perbankan]>
```