

PRAKTIKUM SISTEM BASIS DATA

MODUL 5

Data Manipulation Language (DML)



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**PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
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A. Tugas

Masukan beberapa record ke setiap tabel dalam database yang telah anda buat pada modul 4. Print out hasil implementasi rancangan tersebut dan analisa hasilnya. (Masing-masing 10 record untuk tabel master dan 20 record untuk tabel transaksi)

- Tabel nasabah (tabel master 10 record)

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

MariaDB [perbankan]> INSERT INTO nasabah (id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (11, 'Dewi Lestari', 'Jl. Surya Kencana 8'),
-> (12, 'Agus Salim', 'Jl. Pahlawan 45'),
-> (13, 'Rina Wijayanti', 'Jl. Diponegoro 22'),
-> (14, 'Arief Budi Santoso', 'Jl. Citarum 30'),
-> (15, 'Yenny Wahid', 'Jl. Patimura 76'),
-> (16, 'Dhani Andhika', 'Jl. Trunojoyo 9'),
-> (17, 'Ratna Sari', 'Jl. Gajah Mada 12'),
-> (18, 'Bambang Sutedjo', 'Jl. Sudirman 19'),
-> (19, 'Dian Novita', 'Jl. Veteran 55'),
-> (20, 'Arya Kusuma', 'Jl. Raya Bogor 89');
Query OK, 10 rows affected (0.004 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 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 |
| 11 | Dewi Lestari | Jl. Surya Kencana 8 |
| 12 | Agus Salim | Jl. Pahlawan 45 |
| 13 | Rina Wijayanti | Jl. Diponegoro 22 |
| 14 | Arief Budi Santoso | Jl. Citarum 30 |
| 15 | Yenny Wahid | Jl. Patimura 76 |
| 16 | Dhani Andhika | Jl. Trunojoyo 9 |
| 17 | Ratna Sari | Jl. Gajah Mada 12 |
| 18 | Bambang Sutedjo | Jl. Sudirman 19 |
| 19 | Dian Novita | Jl. Veteran 55 |
| 20 | Arya Kusuma | Jl. Raya Bogor 89 |
+-----+-----+-----+
19 rows in set (0.000 sec)
```

- Tabel cabang_bank (tabel master 10 record)

```

Command Prompt - mysql -u root -p

MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BRUP', 'Bank Rut Unit Purwokerto', 'Jl. Diponegoro 76'),
-> ('BRUJ', 'Bank Rut Unit Jakarta', 'Jl. MH. Thamrin 11'),
-> ('BRUT', 'Bank Rut Unit Tegal', 'Jl. A. Yani 33'),
-> ('BRUG', 'Bank Rut Unit Gresik', 'Jl. Raya Porong 87'),
-> ('BRUL', 'Bank Rut Unit Lampung', 'Jl. Raden Intan 25'),
-> ('BRUA', 'Bank Rut Unit Aceh', 'Jl. Teuku Umar 76'),
-> ('BRUMD', 'Bank Rut Unit Medan', 'Jl. Pandu 22'),
-> ('BRUPB', 'Bank Rut Unit Palembang', 'Jl. Srijaya Negara 44'),
-> ('BRUBD', 'Bank Rut Unit Bandung', 'Jl. Asia Afrika 12'),
-> ('BRUSM', 'Bank Rut Unit Semarang', 'Jl. Pandanaran 45');
Query OK, 10 rows affected (0.004 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUA       | Bank Rut Unit Aceh | Jl. Teuku Umar 76 |
| BRUB       | Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| BRUBD      | Bank Rut Unit Bandung | Jl. Asia Afrika 12 |
| BRUG       | Bank Rut Unit Gresik | Jl. Raya Porong 87 |
| BRUJ       | Bank Rut Unit Jakarta | Jl. MH. Thamrin 11 |
| BRUK       | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUL       | Bank Rut Unit Lampung | Jl. Raden Intan 25 |
| BRUMD      | Bank Rut Unit Medan | Jl. Pandu 22 |
| BRUP       | Bank Rut Unit Purwokerto | Jl. Diponegoro 76 |
| BRUPB      | Bank Rut Unit Palembang | Jl. Srijaya Negara 44 |
| BRUS       | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUSM      | Bank Rut Unit Semarang | Jl. Pandanaran 45 |
| BRUT       | Bank Rut Unit Tegal | Jl. A. Yani 33 |
| BRUW       | Bank Rut Unit Wonogiri | Jl. Ahmad Yani No.23 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
15 rows in set (0.000 sec)

```

- Tabel transaksi (20 record)

```

Command Prompt - mysql -u root -p

MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (31, '106', 3, 'debit', '2009/11/21', '30000'),
-> (32, '102', 5, 'kredit', '2009/11/21', '100000'),
-> (33, '104', 1, 'kredit', '2009/11/21', '50000'),
-> (34, '103', 2, 'kredit', '2009/11/21', '30000'),
-> (35, '105', 3, 'debit', '2009/11/21', '40000'),
-> (36, '101', 4, 'debit', '2009/11/21', '50000'),
-> (37, '108', 10, 'debit', '2009/11/21', '200000'),
-> (38, '109', 7, 'kredit', '2009/11/21', '150000'),
-> (39, '110', 9, 'debit', '2009/11/21', '100000'),
-> (40, '101', 4, 'kredit', '2009/11/21', '40000'),
-> (41, '104', 1, 'kredit', '2009/11/21', '200000'),
-> (42, '103', 2, 'debit', '2009/11/21', '50000'),
-> (43, '106', 3, 'debit', '2009/11/21', '20000'),
-> (44, '102', 5, 'debit', '2009/11/21', '40000'),
-> (45, '107', 5, 'kredit', '2009/11/21', '100000'),
-> (46, '109', 7, 'debit', '2009/11/21', '50000'),
-> (47, '105', 3, 'kredit', '2009/11/21', '20000'),
-> (48, '110', 9, 'kredit', '2009/11/21', '50000'),
-> (49, '101', 4, 'debit', '2009/11/21', '20000'),
-> (50, '104', 1, 'debit', '2009/11/21', '40000'),
-> (51, '102', 5, 'kredit', '2009/11/21', '50000'),
-> (52, '107', 5, 'kredit', '2009/11/21', '150000'),
-> (53, '105', 3, 'debit', '2009/11/21', '30000'),
-> (54, '103', 2, 'kredit', '2009/11/21', '50000'),
-> (55, '108', 10, 'debit', '2009/11/21', '30000'),
-> (56, '109', 7, 'kredit', '2009/11/21', '50000'),
-> (57, '110', 9, 'debit', '2009/11/21', '20000'),
-> (58, '104', 1, 'debit', '2009/11/21', '105000'),
-> (59, '102', 5, 'kredit', '2009/11/21', '200000'),
-> (60, '106', 3, 'kredit', '2009/11/21', '505000');
Query OK, 30 rows affected (0.004 sec)
Records: 30 Duplicates: 0 Warnings: 0

```

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (31, '106', 3, 'debit', '2009/11/21', '30000'),
-> (32, '102', 5, 'kredit', '2009/11/21', '100000'),
-> (33, '104', 1, 'kredit', '2009/11/21', '50000'),
-> (34, '103', 2, 'kredit', '2009/11/21', '30000'),
-> (35, '105', 3, 'debit', '2009/11/21', '40000'),
-> (36, '101', 4, 'debit', '2009/11/21', '50000'),
-> (37, '108', 10, 'debit', '2009/11/21', '200000'),
-> (38, '109', 7, 'kredit', '2009/11/21', '150000'),
-> (39, '110', 9, 'debit', '2009/11/21', '100000'),
-> (40, '101', 4, 'kredit', '2009/11/21', '40000'),
-> (41, '104', 1, 'kredit', '2009/11/21', '200000'),
-> (42, '103', 2, 'debit', '2009/11/21', '50000'),
-> (43, '106', 3, 'debit', '2009/11/21', '20000'),
-> (44, '102', 5, 'debit', '2009/11/21', '40000'),
-> (45, '107', 5, 'kredit', '2009/11/21', '100000'),
-> (46, '109', 7, 'debit', '2009/11/21', '50000'),
-> (47, '105', 3, 'kredit', '2009/11/21', '20000'),
-> (48, '110', 9, 'kredit', '2009/11/21', '50000'),
-> (49, '101', 4, 'debit', '2009/11/21', '20000'),
-> (50, '104', 1, 'debit', '2009/11/21', '40000'),
-> (51, '102', 5, 'kredit', '2009/11/21', '50000'),
-> (52, '107', 5, 'kredit', '2009/11/21', '150000'),
-> (53, '105', 3, 'debit', '2009/11/21', '30000'),
-> (54, '103', 2, 'kredit', '2009/11/21', '50000'),
-> (55, '108', 10, 'debit', '2009/11/21', '30000'),
-> (56, '109', 7, 'kredit', '2009/11/21', '50000'),
-> (57, '110', 9, 'debit', '2009/11/21', '20000'),
-> (58, '104', 1, 'debit', '2009/11/21', '105000'),
-> (59, '102', 5, 'kredit', '2009/11/21', '200000'),
-> (60, '106', 3, 'kredit', '2009/11/21', '505000');
Query OK, 30 rows affected (0.004 sec)
Records: 30 Duplicates: 0 Warnings: 0
```

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]>
+----+-----+-----+-----+-----+-----+
| 34 |      | 2    | 103 | kredit | 2009-11-21 00:00:00 | 30000 |
| 35 |      | 3    | 105 | debit  | 2009-11-21 00:00:00 | 40000 |
| 36 |      | 4    | 101 | debit  | 2009-11-21 00:00:00 | 50000 |
| 37 |      | 10   | 108 | debit  | 2009-11-21 00:00:00 | 200000 |
| 38 |      | 7    | 109 | kredit | 2009-11-21 00:00:00 | 150000 |
| 39 |      | 9    | 110 | debit  | 2009-11-21 00:00:00 | 100000 |
| 40 |      | 4    | 101 | kredit | 2009-11-21 00:00:00 | 40000 |
| 41 |      | 1    | 104 | kredit | 2009-11-21 00:00:00 | 200000 |
| 42 |      | 2    | 103 | debit  | 2009-11-21 00:00:00 | 50000 |
| 43 |      | 3    | 106 | debit  | 2009-11-21 00:00:00 | 20000 |
| 44 |      | 5    | 102 | debit  | 2009-11-21 00:00:00 | 40000 |
| 45 |      | 5    | 107 | kredit | 2009-11-21 00:00:00 | 100000 |
| 46 |      | 7    | 109 | debit  | 2009-11-21 00:00:00 | 50000 |
| 47 |      | 3    | 105 | kredit | 2009-11-21 00:00:00 | 20000 |
| 48 |      | 9    | 110 | kredit | 2009-11-21 00:00:00 | 50000 |
| 49 |      | 4    | 101 | debit  | 2009-11-21 00:00:00 | 20000 |
| 50 |      | 1    | 104 | debit  | 2009-11-21 00:00:00 | 40000 |
| 51 |      | 5    | 102 | kredit | 2009-11-21 00:00:00 | 50000 |
| 52 |      | 5    | 107 | kredit | 2009-11-21 00:00:00 | 150000 |
| 53 |      | 3    | 105 | debit  | 2009-11-21 00:00:00 | 30000 |
| 54 |      | 2    | 103 | kredit | 2009-11-21 00:00:00 | 50000 |
| 55 |      | 10   | 108 | debit  | 2009-11-21 00:00:00 | 30000 |
| 56 |      | 7    | 109 | kredit | 2009-11-21 00:00:00 | 50000 |
| 57 |      | 9    | 110 | debit  | 2009-11-21 00:00:00 | 20000 |
| 58 |      | 1    | 104 | debit  | 2009-11-21 00:00:00 | 105000 |
| 59 |      | 5    | 102 | kredit | 2009-11-21 00:00:00 | 200000 |
| 60 |      | 3    | 106 | kredit | 2009-11-21 00:00:00 | 505000 |
+----+-----+-----+-----+-----+-----+
60 rows in set (0.000 sec)

MariaDB [perbankan]>
```