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Laporan Kegiatan Praktikum Sistem Basis Data

Modul 5

1. Menambahkan record ke dalam table nasabah

```
Command Prompt - mysql -u root -p
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (2,'Maryati','Jl. M.T Haryono'),
-> (3,'Suparman','Jl. Hasanudin'),
-> (4,'Kartika Padmasari','Jl. Manggis 15'),
-> (5,'Budi Eko Prayogo','Jl. Kantil 30'),
-> (6,'Satria Eka Jaya','Jl. Slamet Riyadi 45'),
-> (7,'Indri Hapsari','Jl. Sutoyo 5'),
-> (8,'Sari Murti','Jl. Pangandaran 11'),
-> (9,'Canka Lokananta','Jl. Tidar 86'),
-> (10,'Budi Murtono','Jl. Merak 22');
Query OK, 9 rows affected (0.003 sec)
Records: 9 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman |
| 2 | Maryati | Jl. M.T Haryono |
| 3 | Suparman | Jl. Hasanudin |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+
```

2. Menambahkan record ke dalam table cabang_bank

```
Command Prompt - mysql -u root -p
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 Tendea 63'),
-> ('BRUB','Bank Rut Unit Boyolali','Jl. Ahmad Yani 45'),
-> ('BRUY','Bank Rut Unit Yogyakarta','Jl. Suparman 23'),
-> ('BRUK','Bank Rut Unit Klaten','Jl. Anggrek 21'),
-> ('BRUW','Bank Rut Unit Wonogiri','Jl. Untung Suropati 12');
Query OK, 6 rows affected (0.002 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. Anggrek 21 |
| BRUM | Bank Rut Unit Magelang | Jl. P Tendea 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. Suparman 23 |
+-----+-----+-----+
6 rows in set (0.000 sec)
```

3. Menambahkan record ke dalam table rekening

```
Command Prompt - mysql -u root -p
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 (0.004 sec)
Records: 13 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 | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
+-----+-----+-----+-----+
13 rows in set (0.000 sec)
```

4. Menambahkan record ke dalam table nasabah_has_rekening

```
Select Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(no_rekeningFK, id_nasabahFK) VALUES
-> (104, 1),(103,2),
-> (105, 3),(106,3),
-> (101, 4),(107,4),
-> (102, 5),(107,5),
-> (109, 6),(109,7),
-> (110, 9),(111,8),
-> (113, 10),(112,8),
-> (108, 10);
Query OK, 15 rows affected (0.003 sec)
Records: 15 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| no_rekeningFK | id_nasabahFK |
+-----+-----+
| 104 | 1 |
| 103 | 2 |
| 105 | 3 |
| 106 | 3 |
| 101 | 4 |
| 107 | 4 |
| 102 | 5 |
| 107 | 5 |
| 109 | 6 |
| 109 | 7 |
| 111 | 8 |
| 112 | 8 |
| 110 | 9 |
| 108 | 10 |
| 113 | 10 |
+-----+-----+
15 rows in set (0.000 sec)
```

5. Menambahkan record ke dalam table transaksi

```
Select Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (1, 3, 105, 'debit', '2009-11-10', 50000), (2, 2, 101, 'debit', '2009-11-10', 40000), (3, 4, 101, 'kredit', '2009-11-12', 20000),
-> (4, 3, 106, 'debit', '2009-11-13', 50000), (5, 5, 107, 'kredit', '2009-11-13', 30000), (6, 1, 104, 'kredit', '2009-11-15', 200000),
-> (7, 9, 110, 'kredit', '2009-11-15', 150000), (8, 5, 102, 'debit', '2009-11-16', 20000), (9, 3, 105, 'kredit', '2009-11-18', 50000),
-> (10, 4, 107, 'debit', '2009-11-19', 100000), (11, 2, 103, 'debit', '2009-11-19', 100000), (12, 1, 104, 'debit', '2009-11-19', 50000),
-> (13, 4, 107, 'kredit', '2009-11-20', 200000), (14, 3, 105, 'debit', '2009-11-21', 40000), (15, 1, 104, 'kredit', '2009-11-22', 100000),
-> (16, 4, 101, 'kredit', '2009-11-22', 20000), (17, 2, 103, 'debit', '2009-11-22', 50000), (18, 5, 102, 'debit', '2009-11-25', 50000),
-> (19, 10, 108, 'debit', '2009-11-26', 100000), (20, 3, 106, 'kredit', '2009-11-27', 50000), (21, 2, 103, 'kredit', '2009-11-28', 200000),
-> (22, 3, 105, 'kredit', '2009-11-28', 100000), (23, 5, 102, 'debit', '2009-11-30', 20000), (24, 1, 104, 'debit', '2009-12-1', 50000),
-> (25, 2, 103, 'debit', '2009-12-2', 40000), (26, 4, 101, 'debit', '2009-12-4', 50000), (27, 2, 103, 'kredit', '2009-12-5', 100000),
-> (28, 5, 102, 'kredit', '2009-12-5', 200000), (29, 7, 109, 'debit', '2009-12-5', 100000), (30, 9, 110, 'debit', '2009-12-6', 20000);
Query OK, 30 rows affected (0.003 sec)
Records: 30 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal                | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1           | 3           | 105          | debit          | 2009-11-10 00:00:00    | 50000  |
| 2           | 2           | 101          | debit          | 2009-11-10 00:00:00    | 40000  |
| 3           | 4           | 101          | kredit         | 2009-11-12 00:00:00    | 20000  |
| 4           | 3           | 106          | debit          | 2009-11-13 00:00:00    | 50000  |
| 5           | 5           | 107          | kredit         | 2009-11-13 00:00:00    | 30000  |
| 6           | 1           | 104          | kredit         | 2009-11-15 00:00:00    | 200000 |
| 7           | 9           | 110          | kredit         | 2009-11-15 00:00:00    | 150000 |
| 8           | 5           | 102          | debit          | 2009-11-16 00:00:00    | 20000  |
| 9           | 3           | 105          | kredit         | 2009-11-18 00:00:00    | 50000  |
| 10          | 4           | 107          | debit          | 2009-11-19 00:00:00    | 100000 |
| 11          | 2           | 103          | debit          | 2009-11-19 00:00:00    | 100000 |
| 12          | 1           | 104          | debit          | 2009-11-19 00:00:00    | 50000  |
| 13          | 4           | 107          | kredit         | 2009-11-20 00:00:00    | 200000 |
| 14          | 3           | 105          | debit          | 2009-11-21 00:00:00    | 40000  |
| 15          | 1           | 104          | kredit         | 2009-11-22 00:00:00    | 100000 |
| 16          | 4           | 101          | kredit         | 2009-11-22 00:00:00    | 20000  |
| 17          | 2           | 103          | debit          | 2009-11-22 00:00:00    | 50000  |
| 18          | 5           | 102          | debit          | 2009-11-25 00:00:00    | 50000  |
| 19          | 10          | 108          | debit          | 2009-11-26 00:00:00    | 100000 |
| 20          | 3           | 106          | kredit         | 2009-11-27 00:00:00    | 50000  |
| 21          | 2           | 103          | kredit         | 2009-11-28 00:00:00    | 200000 |
| 22          | 3           | 105          | kredit         | 2009-11-28 00:00:00    | 100000 |
| 23          | 5           | 102          | debit          | 2009-11-30 00:00:00    | 20000  |
| 24          | 1           | 104          | debit          | 2009-12-01 00:00:00    | 50000  |
| 25          | 2           | 103          | debit          | 2009-12-02 00:00:00    | 40000  |
| 26          | 4           | 101          | debit          | 2009-12-04 00:00:00    | 50000  |
| 27          | 2           | 103          | kredit         | 2009-12-05 00:00:00    | 100000 |
| 28          | 5           | 102          | kredit         | 2009-12-05 00:00:00    | 200000 |
| 29          | 7           | 109          | debit          | 2009-12-05 00:00:00    | 100000 |
| 30          | 9           | 110          | debit          | 2009-12-06 00:00:00    | 20000  |
+-----+-----+-----+-----+-----+-----+
```

6. Mengubah isi record yang ada dalam table nasabah

```
C:\> Command Prompt - mysql -u root -p
MariaDB [perbankan]> update nasabah
  -> set alamat_nasabah = 'Jl. Slamet Riyadi 34'
  -> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.005 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman |
| 2 | Maryati | Jl. M.T Haryono |
| 3 | Suparman | Jl. Hasanudin |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Slamet Riyadi 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)
```

7. Mengubah isi record yang ada dalam table cabang_bank

```
C:\> Command Prompt - mysql -u root -p
MariaDB [perbankan]> update cabang_bank
  -> set alamat_cabang = 'Jl. A. Yani 23'
  -> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.002 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. Anggrek 21 |
| BRUM | Bank Rut Unit Magelang | Jl. P Tendean 63 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUW | Bank Rut Unit Wonogiri | Jl. A. Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Suparman 23 |
+-----+-----+-----+
6 rows in set (0.000 sec)
```

8. Menghapus record yang ada dalam table nasabah dan cabang_bank

Command Prompt - mysql -u root -p

MariaDB [perbankan]> delete from nasabah

-> where id_nasabah = 7;

Query OK, 1 row affected (0.003 sec)

MariaDB [perbankan]> select * from nasabah;

id_nasabah	nama_nasabah	alamat_nasabah
1	Sutopo	Jl. Jendral Sudirman
2	Maryati	Jl. M.T Haryono
3	Suparman	Jl. Hasanudin
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)

MariaDB [perbankan]> delete from cabang_bank

-> where nama_cabang = 'Bank Rut Unit Magelang';

Query OK, 1 row affected (0.003 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. Anggrek 21
BRUS	Bank Rut Unit Surakarta	Jl. Slamet Riyadi 18
BRUW	Bank Rut Unit Wonogiri	Jl. A. Yani 23
BRUY	Bank Rut Unit Yogyakarta	Jl. Suparman 23

5 rows in set (0.000 sec)